



KEMENTERIAN PENGANGKUTAN MALAYSIA  
MINISTRY OF TRANSPORT MALAYSIA

# STATISTIK PENGANGKUTAN MALAYSIA 2022

## MALAYSIA TRANSPORTATION STATISTICS



EDTP Gemas-JB dalam pembinaan



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## KATA PENGANTAR

### *Preface*



**DATU' JANA SANTHIRAN  
MUNIYAN**

**Ketua Setiausaha  
Kementerian Pengangkutan  
Malaysia**  
Secretary General  
Ministry of Transport  
Malaysia

Penerbitan Statistik Pengangkutan Malaysia 2022 mengandungi maklumat perangkaan yang komprehensif dan terkini berkaitan mod pengangkutan di Malaysia, dan dengan itu, memberi gambaran menyeluruh mengenai prestasi dan perkembangan sektor pengangkutan di negara ini.

Statistik dalam penerbitan ini boleh membantu agensi kerajaan dan lain-lain pemegang taruh termasuk ahli akademik, ahli ekonomi serta pihak yang berkepentingan bagi tujuan membuat perancangan dan penggubalan dasar, pemantauan serta penilaian keberkesanan program pembangunan negara terutamanya berkaitan sektor pengangkutan bagi memastikan hala tuju yang selari dan sejajar dengan konsep Malaysia MADANI sebagai kerangka dasar bagi memartabatkan semula negara sebagai negara makmur dan dihormati.

Rangkuman imbasan dan ringkasan prestasi sektor pengangkutan bagi tahun 2022 dalam penerbitan ini boleh digunakan dalam perancangan dan pembangunan sektor pengangkutan berdasarkan konsep evidence based planning bagi memenuhi keperluan pasaran, selari dengan Dasar Pengangkutan Negara 2019-2030.

Kementerian merakamkan setinggi-tinggi penghargaan dan terima kasih atas kerjasama yang diberikan oleh semua pihak yang telah menyumbang secara langsung dan tidak langsung dalam merealisasikan penerbitan ini. Setiap maklum balas dan cadangan untuk penambahbaikan penerbitan ini pada masa hadapan amat dihargai.

*The Malaysia Transportation Statistics 2022 presents the comprehensive and latest statistical information related to modes of transport in Malaysia, therefore, provides a holistic overview of the performance and development of the transport sector in this country.*

*Statistics in this publication aim to assist government agencies and various stake holders including academicians, economists as well as other contributors in the planning and formulation of policies, monitoring as well as evaluation of the effectiveness of national development programs especially in relation to the transport sector. This is to ensure the direction is in line with the concept of Malaysia MADANI to enhance Malaysia as a prosperous and respected country.*

*The overview and summary of the performance in the transport sector for the year 2022 in this publication can be used as evidence-based planning to meet the needs of the market in line with the National Transport Policy 2019–2030.*

*The Ministry gratefully acknowledges the cooperation given by all parties who have contributed directly and indirectly to the realization of this publication. Any feedback and suggestions for future improvements to this publication, are greatly appreciated.*



## IMBASAN SEKTOR PENGANGKUTAN 2022

*Insight*

Prestasi keseluruhan bagi sektor pengangkutan Malaysia pada 2022 menunjukkan momentum positif. Subsektor pengangkutan dan penyimpanan pada 2022, telah meningkat sebanyak 30.8% kepada RM55.8 bilion berbanding 2021, yang menyumbang 3.7% kepada Keluaran Dalam Negara Kasar (KDNK), dan 6.3% kepada nilai tambah sektor perkhidmatan. Peralihan kepada fasa endemik dan pembukaan sempadan negara sejak suku tahun kedua 2022 telah merancakkan aktiviti rentas sempadan, secara langsung memberikan impak positif kepada sektor pengangkutan. Prestasi positif ini disokong oleh peningkatan dalam sektor pengangkutan awam udara, sektor pengangkutan awam darat dan sektor maritim serta pengurusan logistik yang efektif.

### PENGENDALIAN KARGO DAN KONTENA DOMESTIK DAN ANTARABANGSA KEKAL BERDAYA SAING

Keseluruhan pergerakan kargo udara kekal berdaya tahan pada tahun 2022, mencatatkan pertumbuhan 5.2% kepada 1,061 ribu tan metrik berbanding 1,008 ribu tan metrik pada tahun 2021. Kargo domestik merekodkan pertumbuhan dua angka iaitu 12.8% berbanding 2021 kepada 305,817 tan metrik, manakala pergerakan kargo antarabangsa mencatatkan pertumbuhan satu angka iaitu 2.4% kepada 754,709 tan metrik.

Pelabuhan juga adalah penyumbang penting kepada perdagangan antarabangsa Malaysia, secara langsung sektor ini amatlah penting kepada kesejahteraan ekonomi negara yang bergantung kepada aspek perdagangan. Pada tahun 2021, kendalian kontena adalah sebanyak 28.4 juta unit bersamaan 20 kaki (TEU), merupakan pencapaian terbaik dalam sejarah di mana Pelabuhan Klang dan Pelabuhan Tanjung Pelepas berjaya melakar pencapaian terbaik dengan jumlah kontena, masing-masing sebanyak 13.7 juta TEU dan 11.2 juta TEU. Pelabuhan Tanjung Pelepas turut berjaya mencipta sejarah dengan pengendalian kontena melebihi 10 juta TEU buat julung kalinya.

Di sebalik landskap makroekonomi yang tidak menentu berikutan ketegangan geopolitik dan perdagangan, prestasi pengendalian kontena pada tahun 2022 kekal kukuh pada 27.3 juta TEU, menyusut 3.9% berbanding tahun 2021. Pelabuhan Klang kekal sebagai pelabuhan pengendalian kontena utama pada tahun 2022 iaitu 13.2 juta TEU, menurun 3.6% berbanding tahun 2021. Pelabuhan Tanjung Pelepas terus mengekalkan pencapaian melebihi 10 juta TEU pada 2022 iaitu 10.5 juta TEU, berkurang 6.1% berbanding tahun sebelumnya. Walau bagaimanapun, pertumbuhan telah dicatatkan bagi Pelabuhan Sabah (+13.1%), Pelabuhan Kuching (+10.3%), Pelabuhan Pulau Pinang (+1.7%), Pelabuhan Bintulu (+2.4%), Pelabuhan Rajang (+10.0%) dan Pelabuhan Miri (+9.2%).

Tambahan pula, Malaysia telah melonjak 15 anak tangga

dalam Indeks Prestasi Logistik (LPI) Bank Dunia 2023 untuk berada di kedudukan ke-26, menjadi negara kedua terbaik selepas Singapura dalam kalangan negara ASEAN. Ini adalah lonjakan ketara daripada kedudukan ke-41 pada 2018 dan ke-32 pada 2016, dan kedudukan terbaik yang dicapai Malaysia ialah di tangga ke-25 dalam laporan LPI Bank Dunia 2014. LPI adalah penanda aras untuk membantu negara mengenal pasti apa yang boleh dilakukan untuk penambahbaikan dalam logistik perdagangan antarabangsa bagi meningkatkan daya saing.

### PERTAMBAHAN PENDAFTARAN KENDERAAN BAHARU DAN KENDERAAN ELEKTRIK

Terdapat sebanyak 736,783 pendaftaran baharu motokar dan 718,416 pendaftaran baharu motosikal pada tahun 2022. Jika dibandingkan dengan tahun 2021, peratusan peningkatan pendaftaran baharu ialah 40.5% (524,258) untuk motokar dan 16.9% (614,648) untuk motosikal. Wilayah Persekutuan dicatatkan sebagai negeri dengan bilangan pendaftaran baharu tertinggi untuk motokar (39,609) dan motosikal (22,139) bagi tahun ini. Manakala, pendaftaran kenderaan terkumpul untuk tahun 2022 ialah 16,571,902 (motokar) dan 16,225,394 (motosikal) iaitu peningkatan 4.7% berbanding 2021.

Jumlah ini selari dengan Laporan *Road Traffic Volume Malaysia 2022* oleh Kementerian Kerja Raya yang menunjukkan kenderaan Kelas 1 (motokar, teksi dan MPV kecil) dan Kelas 2 (motosikal dan skuter) sebagai penyumbang terbesar kepada jumlah trafik pada tahun 2022 iaitu 9,520,919 (Kelas 1) and 2,642,682 (Kelas 2), daripada 14,050,833 kenderaan yang direkod. Peningkatan jumlah trafik pada tahun 2022 juga dilaporkan sebanyak 15.8%. Tambahan pula, terdapat dua lebuhraya utama yang dibuka iaitu Lebuhraya Bertingkat Sungai Besi-Ulu Kelang (Suke) pada 16 September 2022 dan Lebuhraya Bertingkat Damansara-Shah Alam (DASH) pada 14 Oktober 2022.

Pendaftaran kenderaan elektrik (EV) juga menunjukkan peningkatan sebanyak 306.9% (4,309) pada tahun 2022 berbanding tahun 2021 (1,059). Pertambahan ini selari dengan insentif pengecualian cukai jalan (LKM) mulai 1 Januari 2022 hingga 31 Disember 2025 iaitu pengecualian sepenuhnya untuk *Battery Electric Vehicle* (BEV) dan *Fuel Cell Electric Vehicle* (FCEV); dan pengecualian 50% untuk *Plug-in Hybrid Electric Vehicle* (PHEV).

### **PENINGKATAN PENUMPANG PENGANGKUTAN AWAM UDARA DAN DARAT YANG MEMBERANSANGKAN**

Pembukaan semula sempadan negara mulai 1 April 2022 telah memberikan impak positif terutamanya kepada pergerakan penumpang udara pada tahun 2022 yang merekodkan sejumlah 54.7 juta berbanding 11 juta pada tahun 2021 dan mencapai 50% berbanding tempoh yang sama pada tahun

2019. Pergerakan penumpang antarabangsa dan domestik masing-masing mencapai 30.7% (16.5 juta) dan 68.8% (38.2 juta) daripada tahun 2019.

Prestasi pengangkutan awam darat juga membanggakan dengan jumlah penumpang perkhidmatan rel bagi tahun 2022 mencatatkan peningkatan hampir 135% atau lebih dua kali ganda berbanding tahun 2021. Pelancaran fasa 1 MRT Putrajaya pada 16 Jun 2022 dengan tambang percuma 1 bulan untuk perkhidmatan MRT, LRT, BRT, monorel dan Rapid Bas juga menyumbang kepada penambahan bilangan penumpang pengangkutan awam darat.

Selain itu, peningkatan ini juga disumbangkan oleh pengenalan Pas Perjalanan Tanpa Had My50 yang memberi peluang kepada Rakyat untuk menikmati perkhidmatan pengangkutan awam dengan kos yang lebih rendah. Pas Perjalanan Percuma Tanpa Had MyRail5 yang diperkenalkan pada Januari 2022 juga memberi kemudahan kepada golongan orang kurang upaya (OKU) dan pelajar sekolah untuk menggunakan servis KTMB dengan kadar rata RM5 sebulan. Walau bagaimanapun, angka ini masih belum dapat mencapai jumlah penumpang yang dicatatkan pada tahun 2019 iaitu sebelum pandemik Covid-19.

Jumlah penumpang bas di Greater KL/Lembah Klang pada tahun 2022 juga meningkat sebanyak 46.2% kepada 57,713,395 berbanding tahun 2021. Walaupun bilangan ini masih belum dapat mencapai angka penumpang bas pada 2019 (146,764,196 penumpang), jumlah bilangan penumpang bas bulanan dilihat meningkat secara positif dari Januari 2022 berbetulan dengan pelancaran pas bulanan My50.

Di sebalik ketidaktentuan pasaran global pada 2022 dan ketegangan geopolitik antara Rusia dan Ukraine yang berterusan, ekonomi Malaysia dijangkakan mampu berdaya tahan dengan pertumbuhan sederhana pada 2023. Berdasarkan kepada aliran positif di kebanyakan sektor ekonomi pada 2022, Tinjauan Ekonomi 2023 oleh Kementerian Kewangan meramalkan pertumbuhan ekonomi Malaysia bertumbuh secara sederhana antara 4.0% dan 5.0% pada 2023, di mana sektor perkhidmatan diunjur meningkat 5.3%. Pada suku tahun kedua 2023, sektor perkhidmatan telah mencatatkan peningkatan 4.7% di mana subsektor pengangkutan dan penyimpanan merupakan salah satu subsektor yang menyumbang kepada peningkatan tersebut.

### PENDAFTARAN KENDERAAN BAHARU

Meningkat  
**28%**  
kepada 1.5 juta



### PENDAFTARAN KENDERAAN ELEKTRIK

Melebihi **4** kali ganda  
berbanding 2021  
kepada

**4,309**



### PENINGKATAN PENGELUARAN PERMIT KENDERAAN BARANGAN

Melebihi  
**15%**  
berbanding  
2021



### JUMLAH KENDERAAN TERKUMPUL



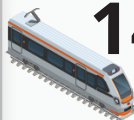
2022 **35,092,737**



**5%**

2021 **35,570,214**

### JUMLAH PENUMPANG AWAM DARAT, REL



Berjumlah

**148 juta**

meningkat 134%

### JUMLAH PENUMPANG PENGANGKUTAN AWAM UDARA

Meningkat  
**397%**  
kepada 55 juta



### PENGENDALIAN KARGO UDARA



Kekal kukuh pada

**1,061**

ribu tan metrik  
bertumbuh **5%**

### PENGENDALIAN KONTENA

Berjumlah  
**27 juta**  
TEUs, menyusut **4%**



## **GLOSARI AKRONIM** *Glossary of Acronyms*

|             |                                                |               |                                                  |
|-------------|------------------------------------------------|---------------|--------------------------------------------------|
| <b>ADT</b>  | <i>Average Daily Traffic</i>                   | <b>LLZ</b>    | <i>Localizer</i>                                 |
| <b>FWT</b>  | <i>Freight Weight Tonnes</i>                   | <b>GP</b>     | <i>Glide Path</i>                                |
| <b>GT</b>   | <i>Gross Tonnage</i>                           | <b>L</b>      | <i>Locator</i>                                   |
| <b>NT</b>   | <i>Net Tonnage</i>                             | <b>MM</b>     | <i>Middle Marker</i>                             |
| <b>TEU</b>  | <i>Twenty-Foot Equivalent Unit</i>             | <b>NDB</b>    | <i>Non-Directional Radio Beacon</i>              |
| <b>APP</b>  | <i>Approach</i>                                | <b>PAPI</b>   | <i>Precision Approach Path Indicator</i>         |
| <b>CAT</b>  | <i>Category</i>                                | <b>RWY</b>    | <i>Runway</i>                                    |
| <b>DME</b>  | <i>Distance Measuring Equipment</i>            | <b>TACAN</b>  | <i>UHF Tactical Air Navigation Aid</i>           |
| <b>DVOR</b> | <i>Doppler VHF Omnidirectional Radio Range</i> | <b>VOR</b>    | <i>Very High Frequency Omnidirectional Radio</i> |
| <b>ILS</b>  | <i>Instrument Landing System</i>               | <b>VORTAC</b> | <i>Combination of VOR and TACAN</i>              |
| <b>LOC</b>  | <i>Loss of Control</i>                         | <b>UTC</b>    | <i>Universal Time Coordinated</i>                |
| <b>PCN</b>  | <i>Pavement Classification Number</i>          | <b>CKD</b>    | <i>Check</i>                                     |
| <b>DHC</b>  | <i>Decision Height</i>                         | <b>NIL</b>    | <i>None</i>                                      |
| <b>AN</b>   | <i>Air Navigation</i>                          | <b>n.a</b>    | <i>Not Available</i>                             |
|             |                                                | <b>*</b>      | <i>Less Than 1 Tonnes</i>                        |

# PENDAFTARAN BAHARU MOTOSIKAL

## JUMLAH PENDAFTARAN BAHARU MOTOSIKAL TERTINGGI, 2018-2022

|         | 2018                  | 2019                  | 2020                 | 2021                 | 2022                 |
|---------|-----------------------|-----------------------|----------------------|----------------------|----------------------|
| PERTAMA | W.P. KL<br>(47,671)   | W.P. KL<br>(59,091)   | W.P. KL<br>(34,048)  | SARAWAK<br>(18,855)  | W.P. KL<br>(22,139)  |
| KEDUA   | JOHOR<br>(35,266)     | SELANGOR<br>(32,355)  | SELANGOR<br>(23,681) | W.P. KL<br>(17,202)  | JOHOR<br>(17,746)    |
| KETIGA  | SELANGOR<br>(32,599)  | JOHOR<br>(28,966)     | JOHOR<br>(20,926)    | JOHOR<br>(13,021)    | SARAWAK<br>(17,675)  |
| KEEMPAT | P. PINANG<br>(32,057) | P. PINANG<br>(27,519) | PERAK<br>(20,082)    | SELANGOR<br>(12,762) | SELANGOR<br>(17,524) |
| KELIMA  | KEDAH<br>(29,664)     | KEDAH<br>(27,221)     | SARAWAK<br>(19,796)  | PERAK<br>(10,568)    | PERAK<br>(8,983)     |

## LAIN-LAIN NEGERI, 2022

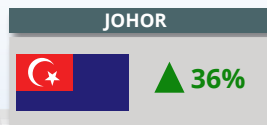
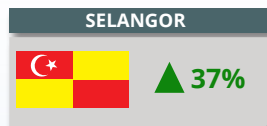
|                                                                                                         |                                                                                                            |                                                                                                         |
|---------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|
|  PERLIS<br>1,707       |  NEGERI SEMBILAN<br>1,856 |  KELANTAN<br>3,868     |
|  KEDAH<br>6,194        |  MELAKA<br>2,986          |  W.P. PUTRAJAYA<br>139 |
|  PULAU PINANG<br>8,745 |  PAHANG<br>6,267          |  W.P. LABUAN<br>1,011  |
|  SABAH<br>7,511        |  TERENGGANU<br>3,563      |                                                                                                         |

www  PORTAL RAKAN NIAGA  
590,502

## JUMLAH

2022 ► 718,416  
2021 ► 614,648

## PERATUS PENYUMBANG TERTINGGI 2021 & 2022



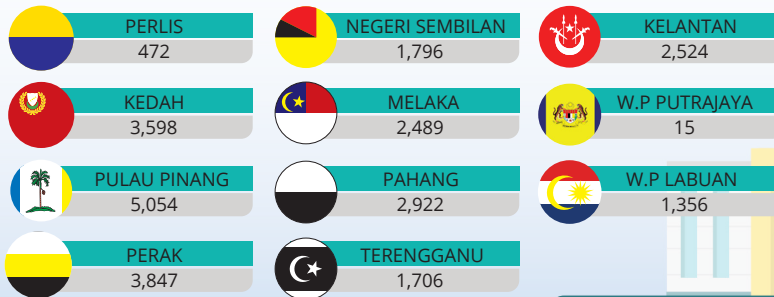
PENINGKATAN KESELURUHAN  
SEBANYAK 17% BERBANDING 2021

## PENDAFTARAN BAHARU MOTOKAR

### JUMLAH PENDAFTARAN BAHARU MOTOKAR TERTINGGI, 2018-2022

|                | 2018                | 2019                | 2020                | 2021                | 2022                 |
|----------------|---------------------|---------------------|---------------------|---------------------|----------------------|
| <b>PERTAMA</b> | W.P. KL<br>(44,150) | W.P. KL<br>(46,734) | W.P. KL<br>(29,629) | W.P. KL<br>(25,771) | W.P. KL<br>(39,609)  |
| <b>KEDUA</b>   | SABAH<br>(10,990)   | SABAH<br>(9,639)    | JOHOR<br>(9,033)    | JOHOR<br>(9,131)    | JOHOR<br>(12,290)    |
| <b>KETIGA</b>  | JOHOR<br>(10,342)   | SARAWAK<br>(8,078)  | SARAWAK<br>(7,599)  | SARAWAK<br>(7,474)  | SELANGOR<br>(11,311) |
| <b>KEEMPAT</b> | SARAWAK<br>(9,931)  | JOHOR<br>(7,789)    | SABAH<br>(6,660)    | SELANGOR<br>(6,662) | SARAWAK<br>(9,929)   |
| <b>KELIMA</b>  | SELANGOR<br>(8,010) | SELANGOR<br>(6,673) | SELANGOR<br>(6,342) | SABAH<br>(6,491)    | SABAH<br>(7,587)     |

### LAIN-LAIN NEGERI, 2022

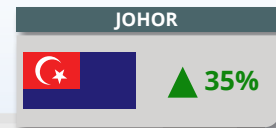


PORTAL RAKAN NIAGA  
www 630,278

### JUMLAH

2022 ► 736,783  
2021 ► 524,258

### PERATUS PENYUMBANG TERTINGGI 2021 & 2022



**PENINGKATAN KESELURUHAN  
SEBANYAK 41% BERBANDING 2021**

## 5 PERKHIDMATAN REL UTAMA, 2018-2022

|                | 2018                           | 2019                           | 2020                           | 2021                           | 2022                           |
|----------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| <b>PERTAMA</b> | <b>LRT KJ</b><br>(87,216,597)  | <b>LRT KJ</b><br>(94,657,974)  | <b>LRT KJ</b><br>(45,307,182)  | <b>LRT KJ</b><br>(25,123,614)  | <b>LRT KJ</b><br>(55,015,765)  |
| <b>KEDUA</b>   | <b>LRT APG</b><br>(60,960,445) | <b>LRT APG</b><br>(65,147,222) | <b>LRT APG</b><br>(34,715,565) | <b>LRT APG</b><br>(21,938,973) | <b>MRT KJG</b><br>(45,348,209) |
| <b>KETIGA</b>  | <b>MRT KJG</b><br>(51,314,240) | <b>MRT KJG</b><br>(63,952,805) | <b>MRT KJG</b><br>(33,168,335) | <b>MRT KJG</b><br>(19,573,010) | <b>LRT APG</b><br>(44,151,332) |
| <b>KEEMPAT</b> | <b>KOMUTER</b><br>(32,078,000) | <b>KOMUTER</b><br>(30,404,000) | <b>KOMUTER</b><br>(11,796,000) | <b>KOMUTER</b><br>(5,899,000)  | <b>KOMUTER</b><br>(14,516,000) |
| <b>KELIMA</b>  | <b>MONOREL</b><br>(12,594,377) | <b>MONOREL</b><br>(12,535,738) | <b>MONOREL</b><br>(7,143,534)  | <b>MONOREL</b><br>(4,226,329)  | <b>MONOREL</b><br>(10,668,069) |

### JUMLAH KESELURUHAN

2022 183,801,738

2021 78,476,357

▲  
57%

Bagi perkhidmatan LRT, Komuter, Monorel, ETS, keretapi KTM dan ERL

## PERATUSAN PERUBAHAN TAHUNAN, 2021 DAN 2022

### TAHUN PERTAMA MRT LALUAN PUTRAJAYA

2022 ►► 4,147,577

### ERL

2022 ►► 3,938,786

2021 ►► 778,431 ▲ 406%

### KERETAPI ANTARA BANDAR

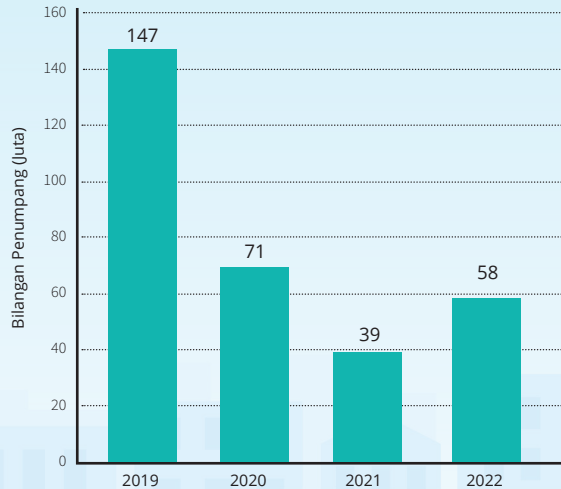
2022 ►► 2,678,000

2021 ►► 304,000 ▲ 89%

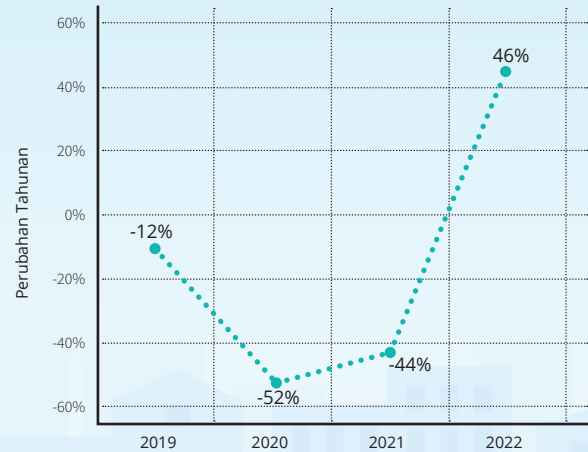


## JUMLAH PENUMPANG PENGANGKUTAN BAS DI LEMBAH KLANG, 2019-2022

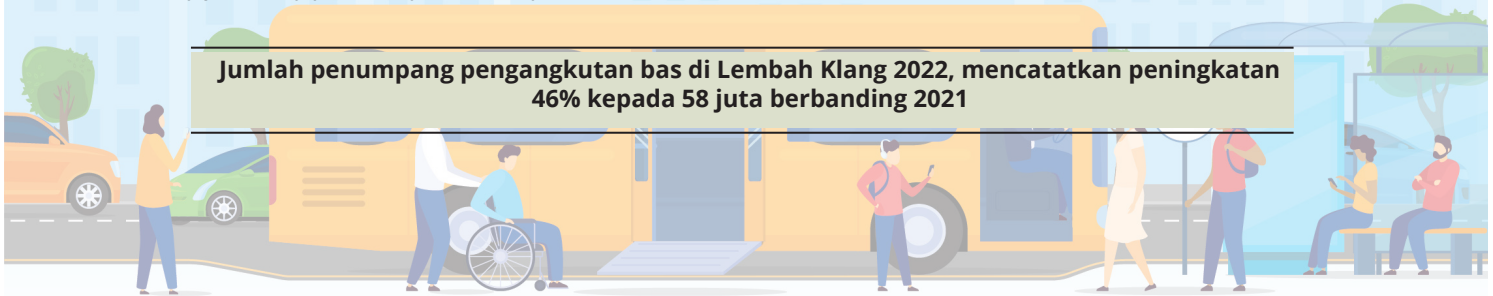
**JUMLAH PENUMPANG PENGANGKUTAN BAS DI LEMBAH KLANG, 2019-2022**



**PERUBAHAN TAHUNAN JUMLAH PENUMPANG PENGANGKUTAN BAS DI LEMBAH KLANG, 2019-2022**



**Jumlah penumpang pengangkutan bas di Lembah Klang 2022, mencatatkan peningkatan 46% kepada 58 juta berbanding 2021**



## PERBANDINGAN JUMLAH KARGO YANG DIKENDALIKAN MENGIKUT PELABUHAN (2021 & 2022) ('000 FWT)

| KELANG        | 2021           | 2022           |
|---------------|----------------|----------------|
| EKSPORT       | 112,552        | 106,700        |
| IMPORT        | 122,987        | 119,443        |
| T/SHIP        | -              | -              |
| <b>JUMLAH</b> | <b>235,539</b> | <b>226,143</b> |

4%

| SABAH         | 2021          | 2022          |
|---------------|---------------|---------------|
| EKSPORT       | 18,247        | 16,510        |
| IMPORT        | 11,904        | 12,724        |
| T/SHIP        | -             | -             |
| <b>JUMLAH</b> | <b>30,151</b> | <b>29,234</b> |

3%

| MIRI          | 2021         | 2022         |
|---------------|--------------|--------------|
| EKSPORT       | 2,654        | 2,877        |
| IMPORT        | 564          | 488          |
| T/SHIP        | -            | -            |
| <b>JUMLAH</b> | <b>3,218</b> | <b>3,366</b> |

5%

| TG. PELEPAS   | 2021           | 2022           |
|---------------|----------------|----------------|
| EKSPORT       | 4,939          | 5,529          |
| IMPORT        | 3,141          | 2,280          |
| T/SHIP        | 159,979        | 143,767        |
| <b>JUMLAH</b> | <b>168,059</b> | <b>151,577</b> |

10%

| KUANTAN       | 2021          | 2022          |
|---------------|---------------|---------------|
| EKSPORT       | 11,848        | 11,236        |
| IMPORT        | 11,011        | 11,130        |
| T/SHIP        | -             | -             |
| <b>JUMLAH</b> | <b>22,859</b> | <b>22,366</b> |

2%

| TELUK EWA     | 2021         | 2022         |
|---------------|--------------|--------------|
| EKSPORT       | 1,920        | 1,703        |
| IMPORT        | 437          | 406          |
| T/SHIP        | -            | -            |
| <b>JUMLAH</b> | <b>2,357</b> | <b>2,110</b> |

10%

| BINTULU       | 2021          | 2022          |
|---------------|---------------|---------------|
| EKSPORT       | 32,989        | 37,173        |
| IMPORT        | 4,083         | 4,783         |
| T/SHIP        | 4,765         | 2,036         |
| <b>JUMLAH</b> | <b>41,837</b> | <b>43,992</b> |

5%

| P. DICKSON    | 2021          | 2022          |
|---------------|---------------|---------------|
| EKSPORT       | 1,794         | 2,320         |
| IMPORT        | 9,830         | 9,236         |
| T/SHIP        | -             | -             |
| <b>JUMLAH</b> | <b>11,624</b> | <b>11,555</b> |

1%

| RAJANG        | 2021         | 2022         |
|---------------|--------------|--------------|
| EKSPORT       | 247          | 246          |
| IMPORT        | 1,165        | 1,247        |
| T/SHIP        | -            | -            |
| <b>JUMLAH</b> | <b>1,412</b> | <b>1,493</b> |

6%

| JOHOR         | 2021          | 2022          |
|---------------|---------------|---------------|
| EKSPORT       | 13,737        | 13,494        |
| IMPORT        | 16,594        | 17,275        |
| T/SHIP        | -             | -             |
| <b>JUMLAH</b> | <b>30,331</b> | <b>30,769</b> |

1%

| KUCHING       | 2021         | 2022         |
|---------------|--------------|--------------|
| EKSPORT       | 1,691        | 1,543        |
| IMPORT        | 7,202        | 8,327        |
| T/SHIP        | -            | -            |
| <b>JUMLAH</b> | <b>8,892</b> | <b>9,869</b> |

11%

| TG BRUAS      | 2021       | 2022       |
|---------------|------------|------------|
| EKSPORT       | 76         | 85         |
| IMPORT        | 508        | 401        |
| T/SHIP        | -          | -          |
| <b>JUMLAH</b> | <b>584</b> | <b>487</b> |

20%

| P. PINANG     | 2021          | 2022          |
|---------------|---------------|---------------|
| EKSPORT       | 12,803        | 13,503        |
| IMPORT        | 15,932        | 16,161        |
| T/SHIP        | 444           | 489           |
| <b>JUMLAH</b> | <b>29,179</b> | <b>30,153</b> |

3%

| KEMAMAN       | 2021         | 2022         |
|---------------|--------------|--------------|
| EKSPORT       | 2,923        | 2,510        |
| IMPORT        | 2,524        | 2,019        |
| T/SHIP        | -            | -            |
| <b>JUMLAH</b> | <b>5,447</b> | <b>4,529</b> |

17%

### JUMLAH KESELURUHAN

| 2022 | 567,644 |
|------|---------|
| 2021 | 591,489 |

4%

## PERBANDINGAN JUMLAH KONTENA YANG DIKENDALIKAN MENGIKUT PELABUHAN (2021 & 2022) (TEUs)

| KELANG        | 2021              | 2022              |
|---------------|-------------------|-------------------|
| EKSPORT       | 2,651,608         | 2,799,443         |
| IMPORT        | 2,681,368         | 2,883,037         |
| T/SHIP        | 8,391,484         | 7,541,448         |
| <b>JUMLAH</b> | <b>13,724,460</b> | <b>13,223,928</b> |

4%

| TG. PELEPAS   | 2021              | 2022              |
|---------------|-------------------|-------------------|
| EKSPORT       | 324,674           | 331,736           |
| IMPORT        | 208,887           | 206,261           |
| T/SHIP        | 10,666,685        | 9,974,809         |
| <b>JUMLAH</b> | <b>11,200,245</b> | <b>10,512,806</b> |

6%

| RAJANG        | 2021          | 2022          |
|---------------|---------------|---------------|
| EKSPORT       | 35,885        | 41,820        |
| IMPORT        | 44,005        | 46,080        |
| T/SHIP        | -             | -             |
| <b>JUMLAH</b> | <b>79,890</b> | <b>87,900</b> |

10%

| P.PINANG      | 2021             | 2022             |
|---------------|------------------|------------------|
| EKSPORT       | 605,504          | 602,315          |
| IMPORT        | 608,460          | 620,267          |
| T/SHIP        | 64,042           | 77,358           |
| <b>JUMLAH</b> | <b>1,278,006</b> | <b>1,299,940</b> |

2%

| SABAH         | 2021           | 2022           |
|---------------|----------------|----------------|
| EKSPORT       | 196,439        | 224,520        |
| IMPORT        | 199,425        | 224,905        |
| T/SHIP        | 1,477          | 60             |
| <b>JUMLAH</b> | <b>397,341</b> | <b>449,485</b> |

13%

| MIRI          | 2021          | 2022          |
|---------------|---------------|---------------|
| EKSPORT       | 11,243        | 9,051         |
| IMPORT        | 10,906        | 15,128        |
| T/SHIP        | -             | -             |
| <b>JUMLAH</b> | <b>22,149</b> | <b>24,179</b> |

9%

| JOHOR         | 2021           | 2022           |
|---------------|----------------|----------------|
| EKSPORT       | 441,842        | 442,038        |
| IMPORT        | 467,037        | 458,112        |
| T/SHIP        | 28,326         | 18,448         |
| <b>JUMLAH</b> | <b>937,205</b> | <b>918,598</b> |

2%

| KUCHING       | 2021           | 2022           |
|---------------|----------------|----------------|
| EKSPORT       | 129,629        | 144,602        |
| IMPORT        | 134,541        | 147,137        |
| T/SHIP        | 382            | 123            |
| <b>JUMLAH</b> | <b>264,552</b> | <b>291,862</b> |

10%

| TG BRUAS      | 2021          | 2022          |
|---------------|---------------|---------------|
| EKSPORT       | 9,547         | 8,853         |
| IMPORT        | 10,298        | 8,926         |
| T/SHIP        | -             | -             |
| <b>JUMLAH</b> | <b>19,845</b> | <b>17,779</b> |

10%

| BINTULU       | 2021           | 2022           |
|---------------|----------------|----------------|
| EKSPORT       | 119,391        | 126,695        |
| IMPORT        | 122,965        | 126,695        |
| T/SHIP        | 113,344        | 111,152        |
| <b>JUMLAH</b> | <b>355,700</b> | <b>364,169</b> |

2%

| KUANTAN       | 2021           | 2022           |
|---------------|----------------|----------------|
| EKSPORT       | 72,087         | 67,368         |
| IMPORT        | 67,394         | 60,481         |
| T/SHIP        | -              | 238            |
| <b>JUMLAH</b> | <b>139,481</b> | <b>128,087</b> |

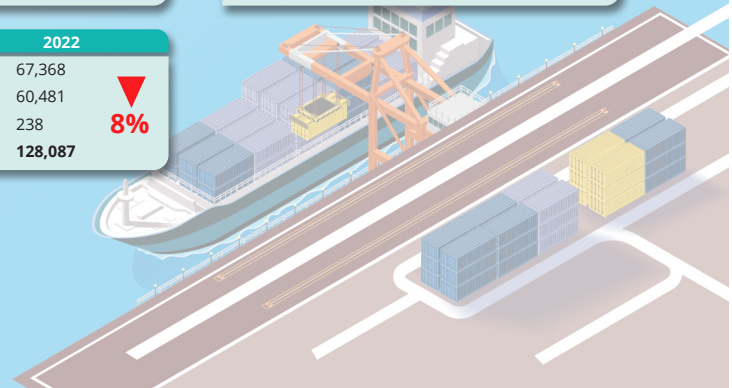
8%

### JUMLAH KESELURUHAN

2022 27,318,733

2021 28,418,874

4%



# JUMLAH PENUMPANG MENGIKUT LAPANGAN TERBANG UTAMA, 2018-2022

|                | 2018                                   | 2019                                   | 2020                                  | 2021                                  | 2022                                   |
|----------------|----------------------------------------|----------------------------------------|---------------------------------------|---------------------------------------|----------------------------------------|
| <b>PERTAMA</b> | <b>KLIA TERMINAL 2</b><br>(31,866,394) | <b>KLIA TERMINAL 2</b><br>(33,128,941) | <b>KLIA TERMINAL 2</b><br>(7,134,875) | <b>KLIA TERMINAL 1</b><br>(2,087,622) | <b>KLIA TERMINAL 1</b><br>(13,162,786) |
| <b>KEDUA</b>   | <b>KLIA TERMINAL 1</b><br>(28,021,775) | <b>KLIA TERMINAL 1</b><br>(29,128,481) | <b>KLIA TERMINAL 1</b><br>(5,985,403) | <b>KLIA TERMINAL 2</b><br>(1,858,491) | <b>KLIA TERMINAL 2</b><br>(12,066,697) |
| <b>KETIGA</b>  | <b>K. KINABALU</b><br>(8,622,119)      | <b>K. KINABALU</b><br>(9,445,570)      | <b>K. KINABALU</b><br>(2,301,918)     | <b>K. KINABALU</b><br>(1,110,996)     | <b>K. KINABALU</b><br>(5,022,756)      |
| <b>KEEMPAT</b> | <b>P. PINANG</b><br>(7,771,548)        | <b>P. PINANG</b><br>(8,318,772)        | <b>P. PINANG</b><br>(1,814,940)       | <b>KUCHING</b><br>(840,133)           | <b>KUCHING</b><br>(4,340,070)          |
| <b>KELIMA</b>  | <b>KUCHING</b><br>(5,559,092)          | <b>KUCHING</b><br>(5,955,776)          | <b>KUCHING</b><br>(1,779,588)         | <b>P. PINANG</b><br>(541,376)         | <b>P. PINANG</b><br>(4,275,123)        |

## PERATUS PERUBAHAN MENGIKUT WILAYAH, 2021 DAN 2022

### SEMANJUNG

2022 ►► 38,503,358  
2021 ►► 7,087,480 ▲ 443%

### SABAH

2022 ►► 7,769,222  
2021 ►► 1,970,499 ▲ 294%

### SARAWAK

2022 ►► 8,463,506  
2021 ►► 1,960,829 ▲ 332%

### JUMLAH KESELURUHAN

2022 54,736,086  
2021 11,018,808

▲ 397%

| ARRIVAL     | TIME  | FLIGHT | REMARK    | GATE |
|-------------|-------|--------|-----------|------|
| Singapore   | 17:10 | AK841  | Cancelled | G3   |
| Toronto, ON | 17:30 | WE165  | Landed    | A2   |
| Chicago     | 18:30 | KL365  | Landed    | B5   |
| Hong Kong   | 18:45 | RE893  | Landed    | C5   |
| Atlanta     | 19:00 | DL777  | Check-in  | C5   |



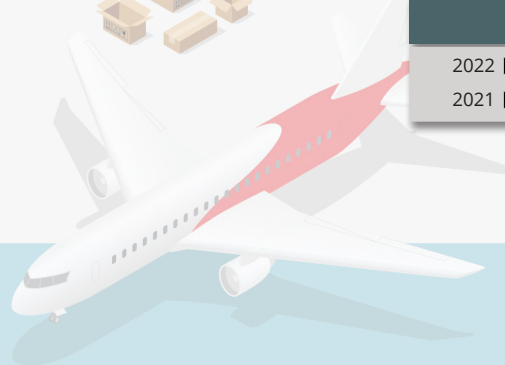
## JUMLAH KARGO MENGIKUT LAPANGAN TERBANG UTAMA, 2018-2022

|                | 2018                                | 2019                                | 2020                                | 2021                                | 2022                                |
|----------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| <b>PERTAMA</b> | <b>KLIA TERMINAL 1</b><br>(555,704) | <b>KLIA TERMINAL 1</b><br>(545,240) | <b>KLIA TERMINAL 1</b><br>(458,517) | <b>KLIA TERMINAL 1</b><br>(602,456) | <b>KLIA TERMINAL 1</b><br>(590,818) |
| <b>KEDUA</b>   | <b>KLIA TERMINAL 2</b><br>(158,965) | <b>KLIA TERMINAL 2</b><br>(142,000) | <b>P. PINANG</b><br>(123,336)       | <b>P. PINANG</b><br>(140,672)       | <b>P. PINANG</b><br>(155,978)       |
| <b>KETIGA</b>  | <b>P. PINANG</b><br>(130,127)       | <b>P. PINANG</b><br>(124,361)       | <b>SUBANG</b><br>(58,260)           | <b>SUBANG</b><br>(83,355)           | <b>SUBANG</b><br>(74,903)           |
| <b>KEEMPAT</b> | <b>SUBANG</b><br>(32,284)           | <b>SUBANG</b><br>(34,648)           | <b>KLIA TERMINAL 2</b><br>(46,667)  | <b>K. KINABALU</b><br>(60,704)      | <b>KLIA TERMINAL 2</b><br>(72,040)  |
| <b>KELIMA</b>  | <b>K. KINABALU</b><br>(28,039)      | <b>K. KINABALU</b><br>(28,664)      | <b>K. KINABALU</b><br>(41,434)      | <b>KUCHING</b><br>(53,954)          | <b>K. KINABALU</b><br>(67,524)      |

### JUMLAH KESELURUHAN

|             |                  |
|-------------|------------------|
| <b>2022</b> | <b>1,060,527</b> |
| <b>2021</b> | <b>1,008,074</b> |

▲  
**5%**



## PERATUS PERUBAHAN MENGIKUT WILAYAH, 2021 DAN 2022

### SEMENANJUNG

2022 ►► **903,966** ▲ **4%**  
2021 ►► **864,297**

### SABAH

2022 ►► **93,355** ▲ **18%**  
2021 ►► **79,331**

### SARAWAK

2022 ►► **63,206** ▼ **2%**  
2021 ►► **64,446**



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**Jabatan Pengangkutan Jalan**  
*Road Transport Department*

**Jabatan Laut Malaysia**  
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**Lembaga Pelabuhan Johor**  
*Johor Port Authority*

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**Lembaga Pelabuhan Kemaman**  
*Kemaman Port Authority*

**Lembaga Pelabuhan Melaka**  
*Malacca Port Authority*

**Bintulu Port Holding Berhad**  
*Bintulu Port Holdings Berhad*

**Sabah Port Sdn Bhd**  
*Sabah Port Sdn Bhd*

**Lembaga Pelabuhan Kuching**  
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*Rajang Port Authority*

**Lembaga Pelabuhan Miri**  
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**Perkhidmatan Terminal Lapangan  
Terbang Senai Sdn Bhd**  
*Senai Airport Terminal Services Sdn Bhd*

**Keretapi Tanah Melayu Berhad**  
*Malayan Railways Limited*

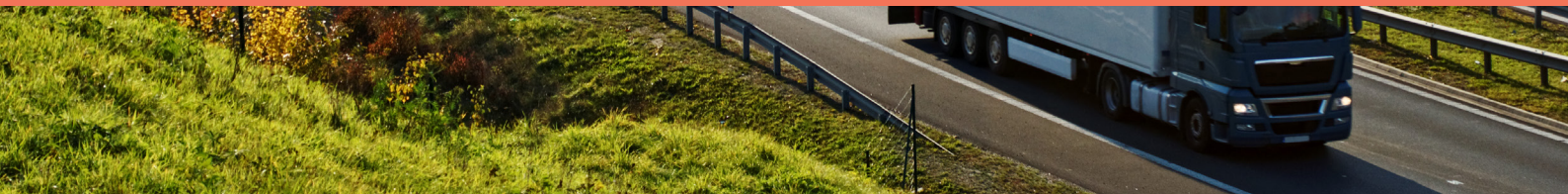
**Prasarana Malaysia Berhad**  
*Prasarana Malaysia Berhad*

**Express Rail Link Sdn Bhd**  
*Express Rail Link Sdn Bhd*



# **PENGANGKUTAN DARAT**

## *Land Transport*



JADUAL 1.11: JUMLAH TERKUMPUL PERMIT KENDERAAN AKTIF MENGIKUT TAHUN BAGI KENDERAAN PENGANGKUTAN AWAM DARAT DAN KENDERAAN BARANGAN, 2013-2022  
 Table 1.11: Cumulative Total Active Vehicle Permit for Land Public Transport and Goods Vehicle by Year, 2013-2022

| KELAS PERMIT<br><i>Class of Permit</i>                      | 2013           | 2014           | 2015           | 2016           | 2017           | 2018           | 2019           | 2020           | 2021           | 2022           |
|-------------------------------------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| <b>BAS Bus</b>                                              |                |                |                |                |                |                |                |                |                |                |
| BERHENTI-HENTI <i>Stage</i>                                 | 5,658          | 5,828          | 6,165          | 6,292          | 6,198          | 6,138          | 5,802          | 5,420          | 4,515          | 4,752          |
| EKSPRES <i>Express</i>                                      | 4,034          | 4,140          | 4,150          | 4,136          | 4,118          | 4,088          | 3,975          | 3,740          | 3,260          | 3,689          |
| MINI <i>Mini</i>                                            | 80             | 78             | 67             | 43             | 40             | 25             | 9              | -              | -              | -              |
| PEKERJA <i>Employees</i>                                    | 10,538         | 10,806         | 10,989         | 11,257         | 11,731         | 12,153         | 12,757         | 12,848         | 12,761         | 14,859         |
| PENGANTARA <i>Feeder</i>                                    | 45             | 50             | 56             | 62             | 73             | 86             | 86             | 72             | 59             | 61             |
| CATAR <i>Chartered</i>                                      | 536            | 518            | 493            | 463            | 440            | 399            | 357            | 275            | 207            | 204            |
| SEKOLAH <i>School</i>                                       | 12,330         | 12,909         | 13,320         | 13,762         | 14,328         | 14,455         | 14,691         | 14,046         | 12,625         | 13,517         |
| PERSIARAN <i>Excursion</i>                                  | 4,729          | 5,116          | 5,305          | 5,421          | 5,622          | 6,127          | 6,605          | 6,033          | 4,389          | 4,999          |
| <b>JUMLAH KECIL <i>Sub Total</i></b>                        | <b>37,950</b>  | <b>39,445</b>  | <b>40,545</b>  | <b>41,436</b>  | <b>42,550</b>  | <b>43,471</b>  | <b>44,282</b>  | <b>42,434</b>  | <b>37,816</b>  | <b>42,081</b>  |
| <b>LORI Lorries</b>                                         |                |                |                |                |                |                |                |                |                |                |
| "A"                                                         | 142,698        | 152,557        | 162,128        | 170,929        | 181,554        | 196,531        | 211,336        | 221,076        | 220,697        | 263,844        |
| "C"                                                         | 28,023         | 30,198         | 32,415         | 34,723         | 37,323         | 40,427         | 42,766         | 43,993         | 42,880         | 53,252         |
| <b>JUMLAH KECIL <i>Sub Total</i></b>                        | <b>170,721</b> | <b>182,755</b> | <b>194,543</b> | <b>205,652</b> | <b>218,877</b> | <b>236,958</b> | <b>254,102</b> | <b>265,069</b> | <b>263,577</b> | <b>317,096</b> |
| <b>TEKSI Taxi</b>                                           |                |                |                |                |                |                |                |                |                |                |
| SEWA <i>Hire</i>                                            | 16,216         | 16,043         | 15,798         | 15,673         | 15,557         | 15,504         | 15,138         | 14,372         | 13,256         | 13,837         |
| SEWA & PANDU SENDIRI <i>Hire &amp; Drive</i>                | 11,052         | 11,288         | 11,392         | 11,503         | 11,652         | 12,231         | 13,758         | 13,778         | 13,158         | 13,595         |
| TEKSI <i>Taxi</i>                                           | 36,973         | 37,654         | 37,504         | 36,308         | 34,906         | 33,411         | 31,148         | 26,935         | 21,771         | 19,945         |
| LAPANGAN TERBANG <i>Airport</i>                             | 2,688          | 2,687          | 2,711          | 2,718          | 2,691          | 2,571          | 2,244          | 1,948          | 1,551          | 1,465          |
| LIMOUSIN <i>Limousine</i>                                   | 808            | 815            | 841            | 816            | 843            | 858            | 864            | 733            | 544            | 623            |
| SEWA & PANDU PELANCONG<br><i>Hire &amp; Drive (Tourism)</i> | 5,445          | 6,545          | 7,487          | 8,017          | 8,769          | 10,878         | 12,879         | 12,084         | 11,040         | 9,590          |
| <b>JUMLAH KECIL <i>Sub Total</i></b>                        | <b>73,182</b>  | <b>75,032</b>  | <b>75,733</b>  | <b>75,035</b>  | <b>74,418</b>  | <b>75,453</b>  | <b>76,031</b>  | <b>69,850</b>  | <b>61,320</b>  | <b>59,055</b>  |
| <b>JUMLAH KESELURUHAN<br/><i>Grand Total</i></b>            | <b>281,853</b> | <b>297,232</b> | <b>310,821</b> | <b>322,123</b> | <b>335,845</b> | <b>355,882</b> | <b>374,415</b> | <b>377,353</b> | <b>362,713</b> | <b>418,232</b> |

SUMBER: AGENSI PENGANGKUTAN AWAM DARAT (APAD)  
 Source: Land Public Transport Agency

JADUAL 1.12: PURATA TRAFIK HARIAN (ADT) DI 63 LOKASI, SEMENANJUNG MALAYSIA, 2013-2022

Table 1.12: Average Daily Traffic (ADT) at 63 Locations, Peninsular Malaysia, 2013-2022

| BIL No   | STESEN Station | LOKASI Location                                           | 2013    | 2014    | 2015    | 2016    | 2017    | 2018    | 2019    | 2020   | 2021   | 2022    |
|----------|----------------|-----------------------------------------------------------|---------|---------|---------|---------|---------|---------|---------|--------|--------|---------|
| PERAK    |                |                                                           |         |         |         |         |         |         |         |        |        |         |
| 1        | AR 101         | Ipoh-Tanjung Malim (Slim River Toll house)                | 15,328  | 16,501  | 16,736  | 15,187  | 14,913  | 15,068  | 17,504  | 15,285 | 12,871 | 17,493  |
| 2        | AR 204         | Ipoh-Lumut                                                | 25,942  | 23,834  | 26,494  | 25,939  | 27,384  | 28,011  | 25,248  | 22,166 | 13,578 | 18,768  |
| 3        | AR 301         | Ipoh-Kampar                                               | 28,520  | 27,126  | 30,592  | 24,654  | 29,911  | 30,321  | 20,707  | 17,500 | 12,642 | 23,087  |
| 4        | AR 303         | Sitiawan-Gopeng                                           | 77,195  | 78,210  | 78,136  | 77,483  | 87,006  | 87,711  | 53,711  | 45,619 | 48,669 | 72,260  |
| 5        | AR 501         | Ipoh-Kuala Kangsar                                        | 20,478  | 18,578  | 19,895  | 19,936  | 20,443  | 20,571  | 22,077  | 19,160 | 14,535 | 20,996  |
| 6        | AR 601         | Ipoh-Butterworth                                          | 20,588  | 19,881  | 20,664  | 21,327  | 19,058  | 20,270  | 20,186  | 19,103 | 14,358 | 21,075  |
| 7        | AR 603         | Sitiawan-Taiping                                          | 12,938  | 12,531  | 12,949  | 13,919  | 9,227   | 9,449   | 9,677   | 8,023  | 2,101  | 3,859   |
| 8        | AR 703         | Ipoh-Teluk Intan-Simpang Empat                            | 25,489  | 25,865  | 27,249  | 33,024  | 26,218  | 26,687  | 18,285  | 15,593 | 8,826  | 19,911  |
| 9        | AR 801         | Kuala Kangsar-Baling                                      | 3,487   | 2,826   | 3,139   | 3,017   | 2,798   | 2,872   | 2,952   | 2,900  | 3,930  | 6,928   |
| 10       | AR 803         | Lebuhraya Timur-Barat                                     | 3,796   | 3,636   | 3,293   | 3,818   | 3,923   | 4,028   | 4,164   | 4,112  | 1,433  | 3,274   |
| SELANGOR |                |                                                           |         |         |         |         |         |         |         |        |        |         |
| 11       | BR 102         | Klang-Port Klang (Persiaran Raja Muda Musa)               | 56,513  | 52,563  | 49,706  | 47,687  | 47,521  | 47,425  | 63,989  | 55,013 | 32,359 | 59,939  |
| 12       | BR 108         | Federal Highway-North Klang Straits Bypass                | 143,223 | 136,424 | 131,348 | 128,988 | 101,893 | 100,568 | 89,634  | 73,585 | 51,639 | 25,243  |
| 13       | BR 203         | Klang-Morib-Batu Laut                                     | 7,777   | 7,741   | 7,890   | 7,999   | 5,903   | 5,930   | 7,110   | 6,794  | 5,231  | 7,468   |
| 14       | BR 405         | Kuala Lumpur-Kepong-Kuala Selangor                        | 21,278  | 22,618  | 21,611  | 22,277  | 21,568  | 21,697  | 22,957  | 19,739 | 14,364 | 27,697  |
| 15       | BR 501         | Klang-Sabak Bernam                                        | 22,174  | 22,443  | 20,838  | 24,554  | 21,642  | 22,118  | 22,373  | 19,411 | 9,052  | 25,033  |
| 16       | BR 604         | Kuala Lumpur-Kajang-Telok Datok (Bt 14 Jln Cheras)        | 59,023  | 54,222  | 48,737  | 48,199  | 46,607  | 45,441  | 49,444  | 41,588 | 33,772 | 49,206  |
| 17       | BR 701         | Kuala Lumpur-Kuala Kubu Bahr Junction                     | 15,082  | 15,022  | 15,538  | 16,063  | 13,476  | 13,626  | 15,367  | 13,176 | 15,599 | 15,044  |
| 18       | BR 902         | Jalan Lingkaran Tengah 2 (MRR2)                           | 147,449 | 144,308 | 129,579 | 138,711 | 153,545 | 153,914 | 108,272 | 92,725 | 55,377 | 163,197 |
| PAHANG   |                |                                                           |         |         |         |         |         |         |         |        |        |         |
| 19       | CR 106         | Jalan Kuala Lumpur-Sempadan Kota Bharu                    | 13,768  | 18,488  | 15,702  | 16,291  | 18,843  | 19,144  | 21,090  | 18,700 | 15,414 | 22,964  |
| 20       | CR 403         | Kuantan-Maran                                             | 31,416  | 31,876  | 29,856  | 30,231  | 33,247  | 34,204  | 26,215  | 22,721 | 19,103 | 30,590  |
| 21       | CR 410         | Kuantan-Kemaman (Sg. Ular)                                | 21,601  | 22,995  | 20,827  | 24,850  | 30,052  | 30,768  | 33,911  | 30,615 | 15,611 | 18,086  |
| 22       | CR 503         | Kuala Lumpur-Kuala Lipis-Kampung Padang Tuanku-Kota Bharu | 6,985   | 7,319   | 8,063   | 8,757   | 8,302   | 8,595   | 8,239   | 8,210  | 5,976  | 11,135  |
| 23       | CR 603         | Pekan-Nenasi (In front of JKR Pekan)                      | 11,563  | 11,535  | 10,741  | 11,620  | 11,606  | 12,370  | 11,748  | 10,450 | 8,678  | 10,389  |
| 24       | CR 801         | Kuantan-Karak                                             | 13,328  | 15,673  | 14,874  | 15,730  | 16,731  | 17,493  | 17,130  | 15,498 | 8,659  | 13,867  |
| 25       | CR 805         | Kuantan-Maran                                             | 6,952   | 6,714   | 6,369   | 6,841   | 6,915   | 7,061   | 6,889   | 6,638  | 5,006  | 7,603   |
| 26       | CR 902         | Kuantan-Segamat                                           | 8,763   | 9,314   | 9,985   | 10,514  | 10,416  | 10,651  | 12,330  | 12,383 | 12,455 | 8,622   |

SUMBER: KEMENTERIAN KERJA RAYA

Source: Ministry of Works

JADUAL 1.12: PURATA TRAFIK HARIAN (ADT) DI 63 LOKASI, SEMENANJUNG MALAYSIA, 2013-2022 (SAMB.)  
*Table 1.12: Average Daily Traffic (ADT) at 63 Locations, Peninsular Malaysia, 2013-2022 (Cont'd)*

| BIL<br>No       | STESEN<br>Station | LOKASI<br>Location                                        | 2013    | 2014    | 2015    | 2016    | 2017    | 2018    | 2019   | 2020   | 2021   | 2022   |
|-----------------|-------------------|-----------------------------------------------------------|---------|---------|---------|---------|---------|---------|--------|--------|--------|--------|
| <b>KELANTAN</b> |                   |                                                           |         |         |         |         |         |         |        |        |        |        |
| 27              | DR 201            | Kota Bharu-Pasir Puteh                                    | 32,263  | 26,043  | 39,257  | 28,405  | 65,518  | 66,933  | 34,004 | 30,008 | 24,824 | 29,440 |
| 28              | DR 603            | Lebuh raya Timur-Barat                                    | 6,029   | 6,141   | 4,718   | 6,344   | 6,300   | 6,389   | 6,268  | 6,123  | 4,581  | 8,630  |
| 29              | DR 802            | Kota Bharu-Kuala Krai                                     | 21,200  | 22,523  | 23,345  | 21,969  | 22,160  | 22,550  | 21,898 | 18,967 | 16,159 | 25,258 |
| <b>JOHOR</b>    |                   |                                                           |         |         |         |         |         |         |        |        |        |        |
| 30              | JR 102            | Batu Pahat-Muar                                           | 25,305  | 21,429  | 17,176  | 18,177  | 23,564  | 23,698  | 24,753 | 21,916 | 24,421 | 28,202 |
| 31              | JR 105            | Muar-Yong Peng (3.8km South of Yong Peng (U) Interchange) | 16,189  | 14,695  | 16,282  | 14,554  | 15,723  | 15,778  | 16,114 | 13,978 | 11,822 | 20,931 |
| 32              | JR 108            | Yong Peng-Segamat (North of Route 184 junction)           | 11,628  | 11,521  | 11,985  | 9,733   | 11,199  | 11,274  | 11,702 | 9,957  | 13,665 | 13,508 |
| 33              | JR 204            | Jalan Skudai                                              | 114,704 | 105,441 | 108,858 | 110,498 | 145,079 | 149,199 | 88,738 | 77,841 | 42,046 | 96,421 |
| 34              | JR 218            | Jalan Pelabuhan Pasir Gudang                              | 26,552  | 26,502  | 29,045  | 43,134  | 42,306  | 40,952  | 41,754 | 35,961 | 31,034 | 36,760 |
| 35              | JR 305            | Johor Bahru-Ayer Hitam                                    | 13,911  | 15,847  | 17,359  | 17,598  | 20,602  | 21,216  | 15,543 | 13,843 | 11,058 | 16,181 |
| 36              | JR 306            | Batu Pahat-Ayer Hitam-Jemaluang                           | 38,053  | 38,366  | 41,632  | 41,936  | 43,771  | 45,045  | 36,704 | 32,214 | 18,986 | 32,134 |
| 37              | JR 404            | Johor Bahru-Kota Tinggi                                   | 22,103  | 19,750  | 19,745  | 18,984  | 17,601  | 16,527  | 17,838 | 14,995 | 18,645 | 24,661 |
| 38              | JR 501            | Johor Bahru-Endau (2.4km North of Mersing Town)           | 14,412  | 14,391  | 14,672  | 15,336  | 15,599  | 15,459  | 14,442 | 12,566 | 8,800  | 9,347  |
| 39              | JR 503            | Johor Bahru-Endau (Southwest of Jemaluang)                | 4,720   | 4,143   | 2,656   | 4,969   | 4,349   | 4,378   | 4,252  | 4,075  | 3,648  | 5,400  |
| 40              | JR 702            | Pontian-Batu Pahat (near Hospital Pontian)                | 15,061  | 14,678  | 15,945  | 16,690  | 13,050  | 12,985  | 14,607 | 12,595 | 10,766 | 22,454 |
| 41              | JR 801            | Johor Bahru-Segamat-Batu Anam                             | 16,826  | 16,800  | 17,751  | 15,954  | 16,518  | 16,819  | 16,824 | 14,655 | 7,547  | 7,644  |
| <b>KEDAH</b>    |                   |                                                           |         |         |         |         |         |         |        |        |        |        |
| 42              | KR 202            | Alor Star-Jitra                                           | 47,474  | 34,003  | 36,660  | 38,036  | 39,669  | 40,387  | 31,183 | 27,076 | 27,493 | 44,623 |
| 43              | KR 401            | Alor Setar-Sungai Petani-Butterworth                      | 23,971  | 23,672  | 24,779  | 21,656  | 20,749  | 21,195  | 19,585 | 16,611 | 6,037  | 16,413 |
| 44              | KR 501            | Alor Setar-Sungai Petani                                  | 18,853  | 17,797  | 19,854  | 18,221  | 17,748  | 17,695  | 17,083 | 14,551 | 7,794  | 16,577 |
| <b>MELAKA</b>   |                   |                                                           |         |         |         |         |         |         |        |        |        |        |
| 45              | MR 206            | Jalan Melaka-Muar                                         | 16,779  | 17,112  | 17,182  | 15,640  | 16,329  | 16,525  | 14,823 | 12,733 | 10,841 | 17,547 |
| 46              | MR 301            | Lebuh AMJ (Alor Gajah-Kendong)                            | 15,715  | 15,665  | 16,885  | 19,662  | 17,780  | 19,098  | 17,151 | 15,733 | 9,773  | 15,481 |
| 47              | MR 312            | Jalan Melaka-Masjid Tanah-Lubok China                     | 16,602  | 10,867  | 16,916  | 17,439  | 18,320  | 18,593  | 18,558 | 16,661 | 15,088 | 26,338 |

SUMBER: KEMENTERIAN KERJA RAYA  
*Source: Ministry of Works*

JADUAL 1.12: PURATA TRAFIK HARIAN (ADT) DI 63 LOKASI, SEMENANJUNG MALAYSIA, 2013-2022 (SAMB.)  
 Table 1.12: Average Daily Traffic (ADT) at 63 Locations, Peninsular Malaysia, 2013-2022 (Cont'd)

| BIL<br>No       | STESEN<br>Station | LOKASI<br>Location                                  | 2013    | 2014    | 2015    | 2016    | 2017    | 2018    | 2019    | 2020    | 2021   | 2022    |
|-----------------|-------------------|-----------------------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|--------|---------|
| NEGERI SEMBILAN |                   |                                                     |         |         |         |         |         |         |         |         |        |         |
| 48              | NR 304            | Seremban-Port Dickson (Lukut)                       | 59,864  | 62,112  | 57,613  | 41,295  | 48,851  | 48,557  | 36,878  | 30,582  | 5,808  | 12,860  |
| 49              | NR 403            | Seremban-Tampin                                     | 12,645  | 11,459  | 12,465  | 12,737  | 13,415  | 13,334  | 13,449  | 11,704  | 5,379  | 15,466  |
| 50              | NR 501            | Seremban-Kuala Lumpur (Old road)                    | 10,671  | 11,810  | 11,870  | 10,984  | 11,314  | 11,088  | 11,339  | 9,731   | 3,346  | 9,901   |
| 51              | NR 505            | Seremban-Gemas                                      | 50,484  | 48,002  | 47,976  | 48,966  | 49,199  | 51,260  | 48,647  | 43,883  | 44,176 | 58,212  |
| PULAU PINANG    |                   |                                                     |         |         |         |         |         |         |         |         |        |         |
| 52              | PR 116            | Butterworth-Ipoh                                    | 64,993  | 48,588  | 65,716  | 59,320  | 52,095  | 52,205  | 51,562  | 43,931  | 34,453 | 46,194  |
| 53              | PR 201            | George Town-Telok Bahang                            | 27,106  | 28,419  | 24,774  | 23,255  | 22,006  | 22,365  | 29,350  | 24,991  | 16,432 | 33,790  |
| 54              | PR 203            | George Town-Bayan Lepas-Gelugor                     | 62,207  | 63,049  | 62,464  | 56,678  | 61,819  | 64,144  | 56,917  | 49,901  | 41,317 | 61,173  |
| PERLIS          |                   |                                                     |         |         |         |         |         |         |         |         |        |         |
| 55              | RR 106            | Kangar-Alor Star                                    | 13,042  | 14,367  | 14,707  | 15,279  | 14,351  | 14,524  | 15,891  | 13,899  | 11,832 | 15,481  |
| TERENGGANU      |                   |                                                     |         |         |         |         |         |         |         |         |        |         |
| 56              | TR 103            | K. Terengganu-Jerteh-Kota Bharu                     | 27,066  | 19,490  | 23,584  | 22,605  | 21,136  | 20,946  | 19,092  | 15,972  | 14,946 | 15,580  |
| 57              | TR 202            | Kuala Terengganu-Dungun-Kemaman (Kuala Dungun-Paka) | 29,864  | 28,124  | 28,171  | 24,852  | 23,209  | 23,023  | 23,148  | 19,357  | 16,848 | 28,498  |
| 58              | TR 305            | Cheneh-K. Terengganu (Jln. Jabor-Jerangau)          | 8,036   | 7,667   | 4,105   | 3,992   | 4,268   | 4,136   | 4,202   | 3,781   | 3,091  | 4,941   |
| 59              | TR 402            | K. Terengganu-Marang                                | 31,227  | 31,686  | 24,887  | 34,408  | 35,427  | 36,656  | 35,124  | 31,387  | 25,665 | 34,818  |
| 60              | TR 502            | K. Terengganu-Ajil-Jerangau                         | 8,715   | 8,739   | 9,561   | 9,047   | 10,410  | 9,847   | 11,561  | 10,932  | 8,412  | 11,208  |
| KUALA LUMPUR    |                   |                                                     |         |         |         |         |         |         |         |         |        |         |
| 61              | WR 101            | Kuala Lumpur-Kuala Selangor (Jalan Kepong)          | 160,694 | 132,401 | 111,097 | 122,688 | 03,024  | 98,490  | 95,537  | 77,964  | 51,360 | 110,491 |
| 62              | WR 102            | Kuala Lumpur-Ipoh                                   | 253,179 | 214,760 | 211,188 | 69,218  | 138,477 | 134,184 | 132,621 | 103,473 | 76,646 | 159,348 |
| 63              | WR 103            | Kuala Lumpur-Ipoh                                   | 216,424 | 192,223 | 162,596 | 205,686 | 144,046 | 140,589 | 138,507 | 113,825 | 90,749 | 156,066 |

SUMBER: KEMENTERIAN KERJA RAYA  
 Source: Ministry of Works

JADUAL 1.13: PURATA TRAFIK HARIAN (ADT) DI 16 LOKASI, SABAH DAN SARAWAK, 2013-2022  
*Table 1.13: Average Daily Traffic (ADT) at 16 Locations, Sabah and Sarawak, 2013-2022*

| BIL<br>No      | STESEN<br>Station | LOKASI<br>Location                            | 2013   | 2014   | 2015   | 2016   | 2017   | 2018   | 2019   | 2020   | 2021   | 2022   |
|----------------|-------------------|-----------------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| <b>SABAH</b>   |                   |                                               |        |        |        |        |        |        |        |        |        |        |
| 1              | HR 103            | KK-Sepulut Highway                            | 2,938  | 3,018  | 2,792  | 2,782  | 3,137  | 3,159  | 3,181  | 3,101  | 3,695  | 4,889  |
| 2              | HR 104            | Tenom-Tomani/Bekuku H'way                     | 2,450  | 2,378  | 2,299  | 6,943  | 5,618  | 5,618  | 4,757  | 4,891  | 3,523  | 5,135  |
| 3              | HR 201            | Kota Kinabalu-Sindumin (Kg Mook)              | 14,406 | 15,329 | 15,786 | 15,999 | 15,892 | 17,465 | 16,755 | 15,240 | 12,212 | 7,012  |
| 4              | HR 202            | A3, KK-Tambunan (8km from A/A31 Intersection) | 3,839  | 4,478  | 4,105  | 3,351  | 4,307  | 4,354  | 5,073  | 4,628  | 3,755  | 4,812  |
| 5              | HR 204            | KK-Kudat (Kg Mantanau)                        | 13,909 | 11,923 | 12,388 | 13,887 | 15,654 | 16,405 | 15,632 | 14,156 | 11,496 | 15,961 |
| 6              | HR 501            | Tawau-Sandakan Highway (Near Balung Junction) | 10,327 | 10,229 | 11,508 | 11,694 | 12,649 | 13,012 | 13,272 | 11,861 | 9,842  | 15,095 |
| 7              | HR 504            | Sg. Segama Crossing                           | 9,407  | 8,739  | 6,335  | 7,412  | 6,832  | 7,028  | 7,390  | 6,963  | 5,396  | 6,992  |
| 8              | HR 506            | Jalan Sing-Sing (18km from Bandar Semporna)   | 2,704  | 3,087  | 2,310  | 3,609  | 2,689  | 2,721  | 4,351  | 4,304  | 3,126  | 7,843  |
| 9              | HR 507            | Kunak-Lahad Datu                              | 7,831  | 7,699  | 6,700  | 8,169  | 8,389  | 8,629  | 7,776  | 7,238  | 5,712  | 9,298  |
| <b>SARAWAK</b> |                   |                                               |        |        |        |        |        |        |        |        |        |        |
| 10             | SR 101            | Bau-Semantan                                  | 3,512  | 3,582  | 4,090  | 3,429  | 5,138  | 5,320  | 4,820  | 4,839  | 3,560  | 1,269  |
| 11             | SR 103            | Kuching-Serian                                | 27,987 | 32,808 | 34,874 | 34,950 | 22,171 | 22,587 | 42,598 | 36,673 | 31,432 | 42,034 |
| 12             | SR 401            | Bintulu-Sibu                                  | 4,476  | 5,125  | 5,841  | 5,563  | 5,685  | 5,258  | 5,017  | 4,495  | 3,679  | 6,788  |
| 13             | SR 402            | Bintulu-Miri                                  | 9,139  | 8,677  | 7,452  | 7,428  | 8,000  | 8,208  | 7,359  | 7,312  | 5,388  | 12,405 |
| 14             | SR 403            | Miri-Bintulu (before junction to Airport)     | 10,865 | 10,887 | 12,329 | 9,092  | 9,861  | 9,792  | 11,743 | 10,027 | 8,639  | 6,221  |
| 15             | SR 503            | Limbang-Brunei Border (Sg.Padaruan)           | 12,742 | 11,150 | 12,807 | 13,245 | 15,221 | 14,901 | 21,415 | 18,899 | 4,194  | 6,776  |
| 16             | SR 504            | Lawas-Trusan                                  | 7,243  | 7,200  | 7,912  | 11,701 | 9,640  | 10,623 | 9,335  | 9,854  | 6,830  | 8,948  |

SUMBER: KEMENTERIAN KERJA RAYA  
*Source: Ministry of Works*

JADUAL 1.14: 16 JAM TRAFIK DAN KOMPOSISI TRAFIK (%) MENGIKUT JENIS KENDERAAN DI 14 STESEN TERPILIH, MALAYSIA, 2022  
Table 1.14: 16 Hours Traffic and Traffic Composition (%) by Type of Vehicle at 14 Selected Stations, Malaysia, 2022

| BIL<br>No                                   | STESEN<br>Station | LOKASI<br>Location                              | 16 JAM<br>TRAFIK<br>16 Hours<br>Traffic | KOMPOSISI TRAFIK (%) MENGIKUT JENIS KENDERAAN<br>Traffic Composition (%) by Type of Vehicle |                           |                                |                           |            |                         |
|---------------------------------------------|-------------------|-------------------------------------------------|-----------------------------------------|---------------------------------------------------------------------------------------------|---------------------------|--------------------------------|---------------------------|------------|-------------------------|
|                                             |                   |                                                 |                                         | KERETA / TEKSI<br>Car / Taxi                                                                | LORI KECIL<br>Light Lorry | LORI SEDERHANA<br>Medium Lorry | LORI BESAR<br>Heavy Lorry | BAS<br>Bus | MOTOSIKAL<br>Motorcycle |
| SEMENANJUNG MALAYSIA<br>Peninsular Malaysia |                   |                                                 |                                         |                                                                                             |                           |                                |                           |            |                         |
| 1                                           | JR 204            | Jalan Skudai                                    | 96,421                                  | 73.7                                                                                        | 6.8                       | 5.4                            | 1.5                       | 1.6        | 11.1                    |
| 2                                           | JR 501            | Johor Bahru-Endau (2.4km North of Mersing town) | 9,347                                   | 68.7                                                                                        | 6.0                       | 6.4                            | 3.0                       | 0.3        | 15.6                    |
| 3                                           | NR 501            | Seremban-Kuala Lumpur (Old road)                | 9,901                                   | 65.9                                                                                        | 7.1                       | 5.7                            | 1.9                       | 0.4        | 19.0                    |
| 4                                           | PR 115            | Butterworth-Taiping                             | 41,915                                  | 60.8                                                                                        | 8.0                       | 6.2                            | 2.6                       | 0.4        | 22.0                    |
| 5                                           | AR 301            | Ipoh-Kampar                                     | 23,087                                  | 65.5                                                                                        | 7.2                       | 5.7                            | 1.5                       | 0.6        | 19.5                    |
| 6                                           | KR 501            | Alor Setar-Sungai Petani                        | 16,577                                  | 46.3                                                                                        | 6.5                       | 6.2                            | 1.5                       | 0.2        | 39.3                    |
| 7                                           | CR 805            | Kuantan-Marang                                  | 7,603                                   | 67.1                                                                                        | 6.6                       | 8.9                            | 4.3                       | 0.3        | 12.8                    |
| 8                                           | CR 902            | Kuantan-Segamat                                 | 8,622                                   | 68.1                                                                                        | 9.0                       | 6.6                            | 5.3                       | 0.5        | 10.6                    |
| 9                                           | TR 402            | Kuala Terengganu-Marang                         | 34,818                                  | 69.0                                                                                        | 5.8                       | 2.8                            | 0.3                       | 0.2        | 21.9                    |
| 10                                          | DR 802            | Kota Bharu-Kuala Krai                           | 25,258                                  | 71.7                                                                                        | 8.8                       | 5.7                            | 1.3                       | 0.5        | 12.1                    |
| SABAH                                       |                   |                                                 |                                         |                                                                                             |                           |                                |                           |            |                         |
| 11                                          | HR 201            | Kota Kinabalu-Sindumin (Kg Mook)                | 7,012                                   | 77.9                                                                                        | 7.2                       | 3.0                            | 0.3                       | 0.0        | 11.6                    |
| 12                                          | HR 501            | Tawau-Sandakan Highway (Near Balung Junction)   | 15,095                                  | 70.0                                                                                        | 8.7                       | 10.0                           | 3.1                       | 0.4        | 7.9                     |
| SARAWAK                                     |                   |                                                 |                                         |                                                                                             |                           |                                |                           |            |                         |
| 13                                          | SR 103            | Kuching - Serian                                | 42,034                                  | 75.0                                                                                        | 7.0                       | 4.9                            | 1.0                       | 0.4        | 11.8                    |
| 14                                          | SR 402            | Bintulu - Miri                                  | 12,405                                  | 77.5                                                                                        | 7.0                       | 7.0                            | 2.8                       | 0.4        | 5.4                     |

SUMBER: KEMENTERIAN KERJA RAYA  
Source: Ministry of Works





# **PENGANGKUTAN DARAT: REL**

*Land Transport: Rail*

JADUAL 2.1: BILANGAN PENUMPANG, TRAFIK BARANGAN DAN KONTENA YANG DIKENDALIKAN OLEH KERETAPI TANAH MELAYU BERHAD, 2013-2022

*Table 2.1: Number of Passenger, Freight Traffic and Container Handled by Malayan Railways Limited, 2013-2022*

| TAHUN<br>Year | PERKHIDMATAN KERETAPI<br><i>Rail Services</i> |                                                         |                              |                                               |                             | KTM KOMUTER<br><i>KTM Commuter</i> |                                                         | PERKHIDMATAN KERETAPI ELEKTRIK<br><i>Electric Train Service (ETS)</i> |                                                         |
|---------------|-----------------------------------------------|---------------------------------------------------------|------------------------------|-----------------------------------------------|-----------------------------|------------------------------------|---------------------------------------------------------|-----------------------------------------------------------------------|---------------------------------------------------------|
|               | PENUMPANG<br><i>Passenger</i>                 |                                                         | BARANGAN<br><i>Freight</i>   |                                               | KONTENA<br><i>Container</i> | PENUMPANG<br><i>Passenger</i>      |                                                         | PENUMPANG<br><i>Passenger</i>                                         |                                                         |
|               | BIL<br>No<br>( ' 000 )                        | KM<br>PENUMPANG<br><i>Passenger Km</i><br>( ' 000,000 ) | TONNE<br>Tonnes<br>( ' 000 ) | TONNE KM<br><i>Tonnes Km</i><br>( ' 000,000 ) | TEU<br><i>Teus</i>          | BIL<br>No<br>( ' 000 )             | KM<br>PENUMPANG<br><i>Passenger Km</i><br>( ' 000,000 ) | BIL<br>No<br>( ' 000 )                                                | KM<br>PENUMPANG<br><i>Passenger Km</i><br>( ' 000,000 ) |
| 2013          | 2,703                                         | 1,081                                                   | 6,622                        | 1,760                                         | 343,395                     | 43,942                             | 961                                                     | 1,563                                                                 | 371                                                     |
| 2014          | 2,223                                         | 618                                                     | 7,136                        | 1,741                                         | 318,033                     | 46,957                             | 1,045                                                   | 1,692                                                                 | 323                                                     |
| 2015          | 2,015                                         | 428                                                     | 6,205                        | 1,474                                         | 283,063                     | 49,690                             | 1,116                                                   | 2,060                                                                 | 441                                                     |
| 2016          | 2,791                                         | 272                                                     | 5,991                        | 1,349                                         | 331,901                     | 41,469                             | 1,110                                                   | 3,565                                                                 | 966                                                     |
| 2017          | 3,092                                         | 180                                                     | 5,617                        | 1,234                                         | 331,059                     | 37,274                             | 1,100                                                   | 4,148                                                                 | 1,189                                                   |
| 2018          | 3,527                                         | 178                                                     | 5,944                        | 1,315                                         | 351,222                     | 32,078                             | 1,012                                                   | 3,933                                                                 | 1,127                                                   |
| 2019          | 3,746                                         | 183                                                     | 5,973                        | 1,142                                         | 243,468                     | 30,404                             | 905                                                     | 3,902                                                                 | 1,112                                                   |
| 2020          | 1,041                                         | 72                                                      | 4,551                        | 818                                           | 198,857                     | 11,796                             | 364                                                     | 1,647                                                                 | 415                                                     |
| 2021          | 304                                           | 47                                                      | 4,793                        | 1,002                                         | 224,444                     | 5,899                              | 188                                                     | 633                                                                   | 177                                                     |
| 2022          | 2,678                                         | 219                                                     | 6,014                        | 1,055                                         | 324,764                     | 14,516                             | 488                                                     | 3,338                                                                 | 946                                                     |

SUMBER: KERETAPI TANAH MELAYU BERHAD (KTMB)

*Source: Malayan Railways Limited*

JADUAL 2.2: BILANGAN PENUMPANG DAN KILOMETER PENUMPANG MENGIKUT KELAS, 2013-2022  
 Table 2.2: Number of Passengers and Passenger Kilometres by Classes, 2013-2022

| TAHUN<br>Year | BILANGAN PENUMPANG<br>Number of Passengers ('000 ) |                           |                           |                 | KILOMETER PENUMPANG<br>Passenger Kilometres ('000,000 ) |                           |                           |                 |
|---------------|----------------------------------------------------|---------------------------|---------------------------|-----------------|---------------------------------------------------------|---------------------------|---------------------------|-----------------|
|               | KELAS SATU<br>First Class                          | KELAS DUA<br>Second Class | KELAS TIGA<br>Third Class | JUMLAH<br>Total | KELAS SATU<br>First Class                               | KELAS DUA<br>Second Class | KELAS TIGA<br>Third Class | JUMLAH<br>Total |
| 2013          | 124                                                | 1,857                     | 721                       | <b>2,703</b>    | 52                                                      | 856                       | 173                       | <b>1,081</b>    |
| 2014          | 120                                                | 1,575                     | 528                       | <b>2,223</b>    | 34                                                      | 494                       | 90                        | <b>618</b>      |
| 2015          | 81                                                 | 1,679                     | 255                       | <b>2,015</b>    | 25                                                      | 347                       | 57                        | <b>428</b>      |
| 2016          | 18                                                 | 2,499                     | 275                       | <b>2,792</b>    | 6                                                       | 232                       | 35                        | <b>272</b>      |
| 2017          | 0                                                  | 2,851                     | 241                       | <b>3,092</b>    | 0                                                       | 160                       | 19                        | <b>180</b>      |
| 2018          | 3                                                  | 3,254                     | 270                       | <b>3,527</b>    | 1                                                       | 154                       | 23                        | <b>178</b>      |
| 2019          | 6                                                  | 3,476                     | 264                       | <b>3,746</b>    | 2                                                       | 159                       | 22                        | <b>183</b>      |
| 2020          | 3                                                  | 812                       | 226                       | <b>1,041</b>    | 1                                                       | 60                        | 11                        | <b>72</b>       |
| 2021          | 2                                                  | 96                        | 207                       | <b>304</b>      | n.a                                                     | n.a                       | n.a                       | <b>47</b>       |
| 2022          | 23                                                 | 2,010                     | 645                       | <b>2,678</b>    | 9                                                       | 150                       | 61                        | <b>219</b>      |

SUMBER: KERETAPI TANAH MELAYU BERHAD (KTMB)  
 Source: Malayan Railways Limited

JADUAL 2.3: TRAFIK BARANGAN MENGIKUT JENIS KARGO, 2013-2022  
 Table 2.3: Freight Traffic by Type of Cargo, 2013-2022

| JENIS KARGO<br><i>Type of Cargo</i>                           | ('000) | 2013      | 2014      | 2015      | 2016      | 2017      | 2018      | 2019      | 2020    | 2021      | 2022      |
|---------------------------------------------------------------|--------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------|-----------|-----------|
| SIMEN & KLINKER<br><i>Cement &amp; Clinker</i>                | Tonne  | 2,594     | 2,358     | 2,167     | 1,870     | 1,727     | 1,628     | 1,273     | 912     | 859       | 1,123     |
|                                                               | t km   | 926,261   | 794,218   | 709,409   | 561,404   | 496,426   | 464,561   | 343,424   | 203,221 | 221,124   | 229,488   |
| KONTENA PERKAPALAN<br><i>Maritime Container</i>               | Tonne  | 2,864     | 3,776     | 3,157     | 3,138     | 2,954     | 3,417     | 3,517     | 2,719   | 3,090     | 3,763     |
|                                                               | t km   | 406,723   | 633,616   | 532,818   | 543,274   | 514,733   | 646,137   | 568,142   | 418,648 | 583,984   | 607,676   |
| LANDBRIDGE<br><i>Landbridge</i>                               | Tonne  | 19        | 89        | 133       | 186       | 325       | 401       | 450       | 307     | 358       | 381       |
|                                                               | t km   | 30,512    | 53,258    | 48,071    | 60,303    | 70,630    | 76,830    | 89,267    | 65,063  | 84,267    | 75,453    |
| PETROL & MINYAK GALIAN<br><i>Petrol &amp; Mineral Oil</i>     | Tonne  | -         | -         | -         | -         | -         | -         | -         | -       | -         | -         |
|                                                               | t km   | -         | -         | -         | -         | -         | -         | -         | -       | -         | -         |
| MAKANAN & MINUMAN PROSES<br><i>Processed Food &amp; Drink</i> | Tonne  | 413       | 418       | 421       | 431       | 377       | 311       | 305       | 298     | 265       | 342       |
|                                                               | t km   | 169,418   | 187,878   | 161,967   | 150,592   | 135,934   | 114,565   | 111,961   | 109,184 | 97,015    | 118,218   |
| BERAS, PADI & BRAN<br><i>Rice, Paddy &amp; Bran</i>           | Tonne  | -         | -         | -         | -         | -         | -         | -         | -       | -         | -         |
|                                                               | t km   | -         | -         | -         | -         | -         | -         | -         | -       | -         | -         |
| GETAH<br><i>Rubber</i>                                        | Tonne  | -         | -         | -         | -         | -         | -         | -         | -       | -         | -         |
|                                                               | t km   | -         | -         | -         | -         | -         | -         | -         | -       | -         | -         |
| GETAH CECAIR<br><i>Latex</i>                                  | Tonne  | -         | -         | -         | -         | -         | -         | -         | -       | -         | -         |
|                                                               | t km   | -         | -         | -         | -         | -         | -         | -         | -       | -         | -         |
| KAYU BALAK<br><i>Logs</i>                                     | Tonne  | -         | -         | -         | -         | -         | -         | -         | -       | -         | -         |
|                                                               | t km   | -         | -         | -         | -         | -         | -         | -         | -       | -         | -         |
| KAYU GERGAJI<br><i>Swan Timber</i>                            | Tonne  | -         | -         | -         | -         | -         | -         | -         | -       | -         | -         |
|                                                               | t km   | -         | -         | -         | -         | -         | -         | -         | -       | -         | -         |
| BIJIH & LAIN-LAIN GALIAN<br><i>Ore &amp; Other Minerals</i>   | Tonne  | -         | -         | -         | -         | -         | -         | -         | -       | -         | -         |
|                                                               | t km   | -         | -         | -         | -         | -         | -         | -         | -       | -         | -         |
| KIMIA<br><i>Chemicals</i>                                     | Tonne  | 342       | 377       | 326       | 349       | 234       | 188       | 426       | 316     | 220       | 405       |
|                                                               | t km   | 21,047    | 25,256    | 21,838    | 23,423    | 15,919    | 12,578    | 28,565    | 21,531  | 15,625    | 23,967    |
| MINYAK MAKAN<br><i>Edible Oil</i>                             | Tonne  | -         | -         | -         | -         | -         | -         | -         | -       | -         | -         |
|                                                               | t km   | -         | -         | -         | -         | -         | -         | -         | -       | -         | -         |
| LAIN-LAIN<br><i>Others</i>                                    | Tonne  | 390       | 118       | 1         | 17        | -         | -         | 1         | -       | -         | -         |
|                                                               | t km   | 205,671   | 47,235    | 255       | 10,379    | -         | -         | 227       | -       | -         | -         |
| JUMLAH<br><i>Total</i>                                        | Tonne  | 6,622     | 7,136     | 6,205     | 5,991     | 5,617     | 5,944     | 5,972     | 4,551   | 4,793     | 6,014     |
|                                                               | t km   | 1,759,632 | 1,741,461 | 1,474,358 | 1,349,375 | 1,233,642 | 1,314,671 | 1,141,586 | 817,647 | 1,002,015 | 1,054,802 |

SUMBER: KERETAPI TANAH MELAYU BERHAD (KTMB)  
 Source: Malayan Railways Limited

JADUAL 2.4: DAFTAR LOKOMOTIF, 2013-2022  
Table 2.4: Locomotive Inventory, 2013-2022

| TAHUN<br>Year | LALUAN UTAMA<br>Mainline                       |                      |                      |                      |                      |                      |                      |                 | TREN SET ELEKTRIK<br>Electric Train Set      |                    |                    |                 | ENJIN LANGSIR<br>Shunting                     |                                                      |                                               |                                               | JUMLAH<br>Total |
|---------------|------------------------------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|-----------------|----------------------------------------------|--------------------|--------------------|-----------------|-----------------------------------------------|------------------------------------------------------|-----------------------------------------------|-----------------------------------------------|-----------------|
|               | HIDRAULIK<br>KELAS 21<br>Class 21<br>Hydraulic | KELAS<br>Class<br>22 | KELAS<br>Class<br>23 | KELAS<br>Class<br>24 | KELAS<br>Class<br>25 | KELAS<br>Class<br>26 | KELAS<br>Class<br>29 | JUMLAH<br>Total | RELKAR<br>(RELBAS)<br>Rail-Car<br>(Rail-Bus) | SET<br>EMU<br>Sets | SET<br>ETS<br>Sets | JUMLAH<br>Total | LETRIK<br>KELAS<br>15<br>Class 15<br>Electric | HIDRAULIK<br>KELAS 16/17<br>Class 16/17<br>Hydraulic | LETRIK<br>KELAS<br>18<br>Class 18<br>Electric | LETRIK<br>KELAS<br>19<br>Class 19<br>Electric |                 |
| 2013          | 0                                              | 0                    | 7                    | 18                   | 17                   | 20                   | 20                   | 82              | 0                                            | 50                 | 5                  | 55              | 0                                             | 0                                                    | 0                                             | 0                                             | -               |
| 2014          | 0                                              | 0                    | 7                    | 17                   | 17                   | 20                   | 20                   | 81              | 0                                            | 96                 | 5                  | 101             | 0                                             | 0                                                    | 0                                             | 4                                             | 4               |
| 2015          | 0                                              | 0                    | 6                    | 16                   | 17                   | 20                   | 20                   | 79              | 0                                            | 57                 | 5                  | 62              | 0                                             | 0                                                    | 0                                             | 6                                             | 6               |
| 2016          | 0                                              | 0                    | 6                    | 16                   | 17                   | 20                   | 20                   | 79              | 0                                            | 57                 | 15                 | 72              | 0                                             | 0                                                    | 0                                             | 6                                             | 6               |
| 2017          | 0                                              | 0                    | 6                    | 16                   | 16                   | 19                   | 20                   | 77              | 0                                            | 57                 | 15                 | 72              | 0                                             | 0                                                    | 0                                             | 6                                             | 6               |
| 2018          | 0                                              | 0                    | 6                    | 16                   | 17                   | 20                   | 20                   | 79              | 0                                            | 58                 | 15                 | 73              | 0                                             | 0                                                    | 0                                             | 10                                            | 10              |
| 2019          | 0                                              | 0                    | 6                    | 16                   | 17                   | 20                   | 20                   | 79              | 0                                            | 58                 | 15                 | 73              | 0                                             | 0                                                    | 0                                             | 10                                            | 10              |
| 2020          | 0                                              | 0                    | 6                    | 16                   | 17                   | 20                   | 20                   | 79              | 0                                            | 58                 | 24                 | 82              | 0                                             | 0                                                    | 0                                             | 9                                             | 9               |
| 2021          | 0                                              | 0                    | 6                    | 16                   | 17                   | 19                   | 20                   | 78              | 0                                            | 58                 | 24                 | 82              | 0                                             | 0                                                    | 0                                             | 9                                             | 9               |
| 2022          | 0                                              | 0                    | 6                    | 16                   | 17                   | 20                   | 20                   | 79              | 0                                            | 58                 | 24                 | 82              | 0                                             | 0                                                    | 0                                             | 9                                             | 9               |

SUMBER: KERETAPI TANAH MELAYU BERHAD (KTMB)  
Source: Malayan Railways Limited

JADUAL 2.5: DAFTAR GERABAK BARANG, 2013-2022

Table 2.5: Freight Wagon Inventory, 2013-2022

| TAHUN<br><i>Year</i> | GERABAK<br>TERTUTUP<br><i>Covered<br/>Wagons</i> | GERABAK<br>TEBING<br>TINGGI<br><i>High Side<br/>Wagons</i> | GERABAK<br>TEBING<br>RENDAH<br><i>Low Side<br/>Wagons</i> | GERABAK TANGKI<br><i>Tank Wagons</i> |                                    |                                 |                           | GERABAK<br>BOLSTER<br><i>Bolster Wagons</i> | GERABAK<br>TERNAKAN<br><i>Livestock<br/>Wagons</i> | LAIN-LAIN<br>GERABAK<br><i>Other Wagons</i> | JUMLAH<br><i>Total</i> |
|----------------------|--------------------------------------------------|------------------------------------------------------------|-----------------------------------------------------------|--------------------------------------|------------------------------------|---------------------------------|---------------------------|---------------------------------------------|----------------------------------------------------|---------------------------------------------|------------------------|
|                      |                                                  |                                                            |                                                           | PETROLEUM<br><i>Petroleum</i>        | MINYAK<br>SAWIT<br><i>Palm Oil</i> | GETAH<br>CECAIR<br><i>Latex</i> | AMMONIA<br><i>Ammonia</i> |                                             |                                                    |                                             |                        |
| 2013                 | 42                                               | -                                                          | 157                                                       | 74                                   | -                                  | 1                               | -                         | 1,811                                       | -                                                  | 876                                         | <b>2,961</b>           |
| 2014                 | 40                                               | -                                                          | 157                                                       | 50                                   | -                                  | 1                               | -                         | 1,804                                       | -                                                  | 868                                         | <b>2,920</b>           |
| 2015                 | 37                                               | -                                                          | 152                                                       | 50                                   | -                                  | 1                               | -                         | 1,795                                       | -                                                  | 860                                         | <b>2,895</b>           |
| 2016                 | 45                                               | -                                                          | 151                                                       | 50                                   | -                                  | 2                               | -                         | 2,615                                       | -                                                  | -                                           | <b>2,863</b>           |
| 2017                 | 45                                               | -                                                          | 139                                                       | -                                    | -                                  | -                               | -                         | 2,180                                       | -                                                  | 74                                          | <b>2,438</b>           |
| 2018                 | 59                                               | -                                                          | 139                                                       | 19                                   | -                                  | 1                               | -                         | 2,475                                       | 2                                                  | 109                                         | <b>2,804</b>           |
| 2019                 | 59                                               | -                                                          | 139                                                       | 19                                   | -                                  | 1                               | -                         | 2,475                                       | 2                                                  | 109                                         | <b>2,804</b>           |
| 2020                 | 44                                               | -                                                          | 101                                                       | -                                    | -                                  | 1                               | -                         | 2,374                                       | 1                                                  | 54                                          | <b>2,575</b>           |
| 2021                 | 31                                               | -                                                          | 101                                                       | -                                    | -                                  | 1                               | -                         | 2,243                                       | 1                                                  | 72                                          | <b>2,449</b>           |
| 2022                 | 31                                               | -                                                          | 90                                                        | 9                                    | -                                  | 1                               | -                         | 1,916                                       | -                                                  | 138                                         | <b>2,185</b>           |

SUMBER: KERETAPI TANAH MELAYU BERHAD (KTMB)

Source: Malayan Railways Limited

JADUAL 2.6: DAFTAR KOC PENUMPANG, 2013-2022  
Table 2.6: Passenger Coaches Inventory, 2013-2022

| TAHUN<br>Year | PERJALANAN SIANG<br>Day Travel          |                                        |                      |                       | PERJALANAN MALAM/ SIANG<br>Night/ Day Travel |                                        |                      |                       | LAIN-LAIN<br>Others                     |                                        |                      |                       | JUMLAH<br>Total                         |                                        |                      |                       |
|---------------|-----------------------------------------|----------------------------------------|----------------------|-----------------------|----------------------------------------------|----------------------------------------|----------------------|-----------------------|-----------------------------------------|----------------------------------------|----------------------|-----------------------|-----------------------------------------|----------------------------------------|----------------------|-----------------------|
|               | BILANGAN<br>KOC<br>Number of<br>Coaches | JUMLAH TEMPAT DUDUK<br>Number of Seats |                      |                       | BILANGAN<br>KOC<br>Number of<br>Coaches      | JUMLAH TEMPAT DUDUK<br>Number of Seats |                      |                       | BILANGAN<br>KOC<br>Number of<br>Coaches | JUMLAH TEMPAT DUDUK<br>Number of Seats |                      |                       | BILANGAN<br>KOC<br>Number of<br>Coaches | JUMLAH TEMPAT DUDUK<br>Number of Seats |                      |                       |
|               |                                         | KELAS<br>Class<br>I                    | KELAS<br>Class<br>II | KELAS<br>Class<br>III |                                              | KELAS<br>Class<br>I                    | KELAS<br>Class<br>II | KELAS<br>Class<br>III |                                         | KELAS<br>Class<br>I                    | KELAS<br>Class<br>II | KELAS<br>Class<br>III |                                         | KELAS<br>Class<br>I                    | KELAS<br>Class<br>II | KELAS<br>Class<br>III |
| 2013          | 43                                      | 168                                    | 1,680                | 370                   | 77                                           | 160                                    | 2,520                | 1,258                 | -                                       | -                                      | -                    | -                     | 120                                     | 328                                    | 4,200                | 1,628                 |
| 2014          | 29                                      | 274                                    | 1,258                | -                     | 54                                           | 24                                     | 2,272                | 391                   | -                                       | -                                      | -                    | -                     | 82                                      | 298                                    | 3,530                | 391                   |
| 2015          | 72                                      | 64                                     | 3,751                | 592                   | 83                                           | 155                                    | 3,533                | 979                   | -                                       | -                                      | -                    | -                     | 155                                     | 219                                    | 7,284                | 1,571                 |
| 2016          | 69                                      | -                                      | 4,140                | -                     | 69                                           | -                                      | 3,840                | 74                    | -                                       | -                                      | -                    | -                     | 138                                     | -                                      | 7,980                | 74                    |
| 2017          | 102                                     | -                                      | 4,860                | 1,554                 | 62                                           | -                                      | 3,300                | 222                   | -                                       | -                                      | -                    | -                     | 164                                     | -                                      | 8,160                | 1,776                 |
| 2018          | 103                                     | -                                      | 4,920                | 1,554                 | 57                                           | -                                      | 3,040                | 222                   | -                                       | -                                      | -                    | -                     | 160                                     | -                                      | 7,960                | 1,776                 |
| 2019          | 42                                      | -                                      | 2,520                | -                     | 29                                           | 180                                    | 1,120                | -                     | -                                       | -                                      | -                    | -                     | 71                                      | 180                                    | 3,640                | -                     |
| 2020          | 32                                      | -                                      | 1,920                | -                     | 28                                           | 144                                    | 1,120                | -                     | -                                       | -                                      | -                    | -                     | 60                                      | 144                                    | 3,040                | -                     |
| 2021          | 161                                     | -                                      | 9,677                | -                     | 65                                           | 197                                    | 2,893                | -                     | -                                       | -                                      | -                    | -                     | 226                                     | 197                                    | 12,570               | -                     |
| 2022          | 193                                     | 52                                     | 11,612               | -                     | 78                                           | 236                                    | 3,471                | -                     | -                                       | -                                      | -                    | -                     | 271                                     | 288                                    | 15,084               | -                     |

SUMBER: KERETAPI TANAH MELAYU BERHAD (KTMB)  
Source: Malayan Railways Limited

JADUAL 2.7: BILANGAN PENUMPANG MENGIKUT JENIS PERKHIDMATAN PENGANGKUTAN REL, 2013-2022

*Table 2.7: Number of Passengers by Type of Rail Transport Services, 2013-2022*

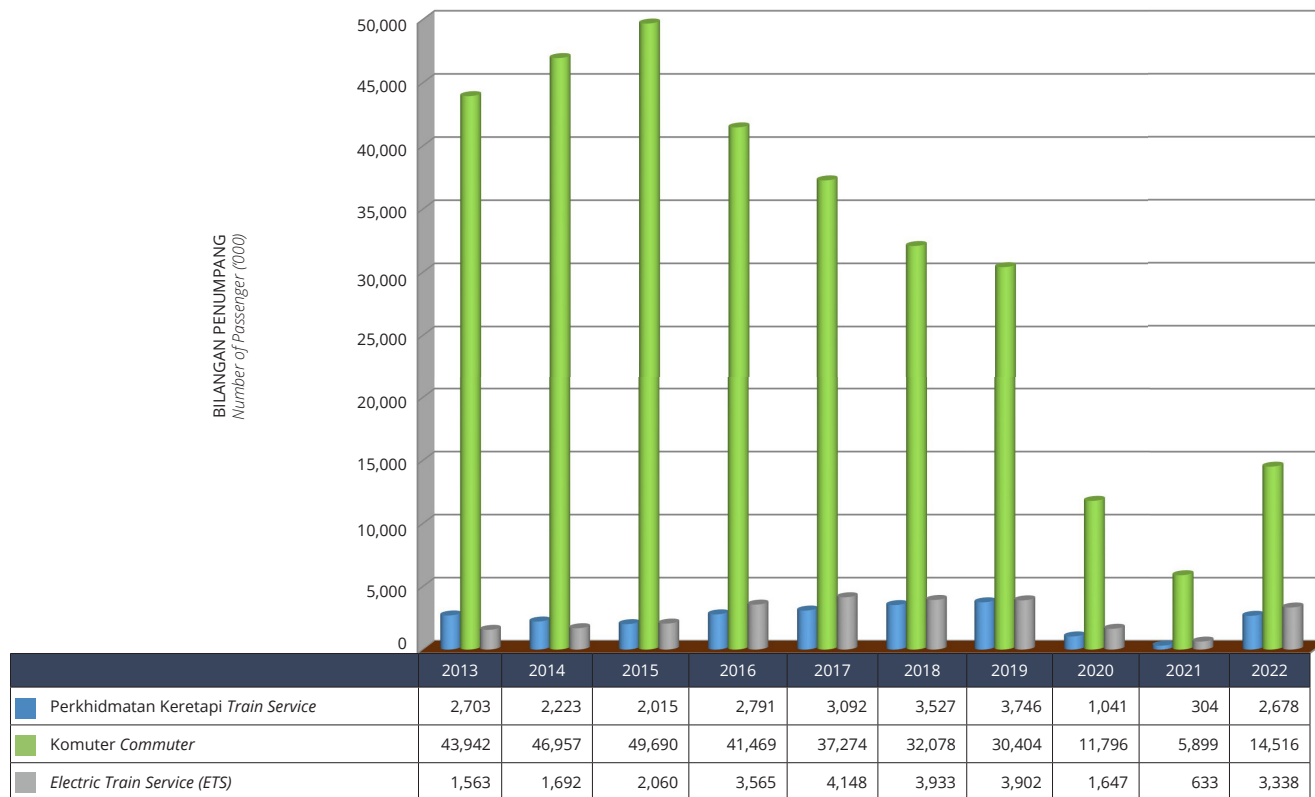
| JENIS PERKHIDMATAN<br><i>Type of Services</i>         | 2013       | 2014       | 2015       | 2016       | 2017       | 2018       | 2019       | 2020       | 2021       | 2022       |
|-------------------------------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| LRT LALUAN AMPANG<br><i>LRT Ampang Line</i>           | 60,207,397 | 63,270,432 | 62,809,412 | 59,192,907 | 59,462,032 | 60,960,445 | 65,147,222 | 34,715,565 | 21,938,973 | 44,151,332 |
| LRT LALUAN KELANA JAYA<br><i>LRT Kelana Jaya Line</i> | 78,702,931 | 81,971,322 | 82,144,674 | 79,002,829 | 83,585,412 | 87,216,597 | 94,657,974 | 45,307,182 | 25,123,614 | 55,015,765 |
| KL MONOREL<br><i>KL Monorail</i>                      | 25,437,624 | 24,303,466 | 25,067,867 | 21,990,242 | 16,841,630 | 12,594,377 | 12,535,738 | 7,143,534  | 4,226,329  | 10,668,069 |
| MRT LALUAN KAJANG<br><i>MRT Kajang Line</i>           | -          | -          | -          | -          | 22,350,508 | 51,314,240 | 63,952,805 | 33,168,335 | 19,573,010 | 45,348,209 |
| MRT LALUAN PUTRAJAYA<br><i>MRT Putrajaya Line</i>     | -          | -          | -          | -          | -          | -          | -          | -          | -          | 4,147,577  |
| KLIA EKSPRES<br><i>KLIA Express</i>                   | 2,062,702  | 2,928,302  | 3,470,710  | 2,419,964  | 2,275,650  | 2,212,393  | 2,156,319  | 388,949    | 53,434     | 563,472    |
| KLIA TRANSIT<br><i>KLIA Transit</i>                   | 4,377,386  | 6,310,323  | 7,559,347  | 6,485,520  | 6,443,667  | 6,541,505  | 6,788,121  | 2,189,136  | 724,997    | 3,375,314  |

Note:

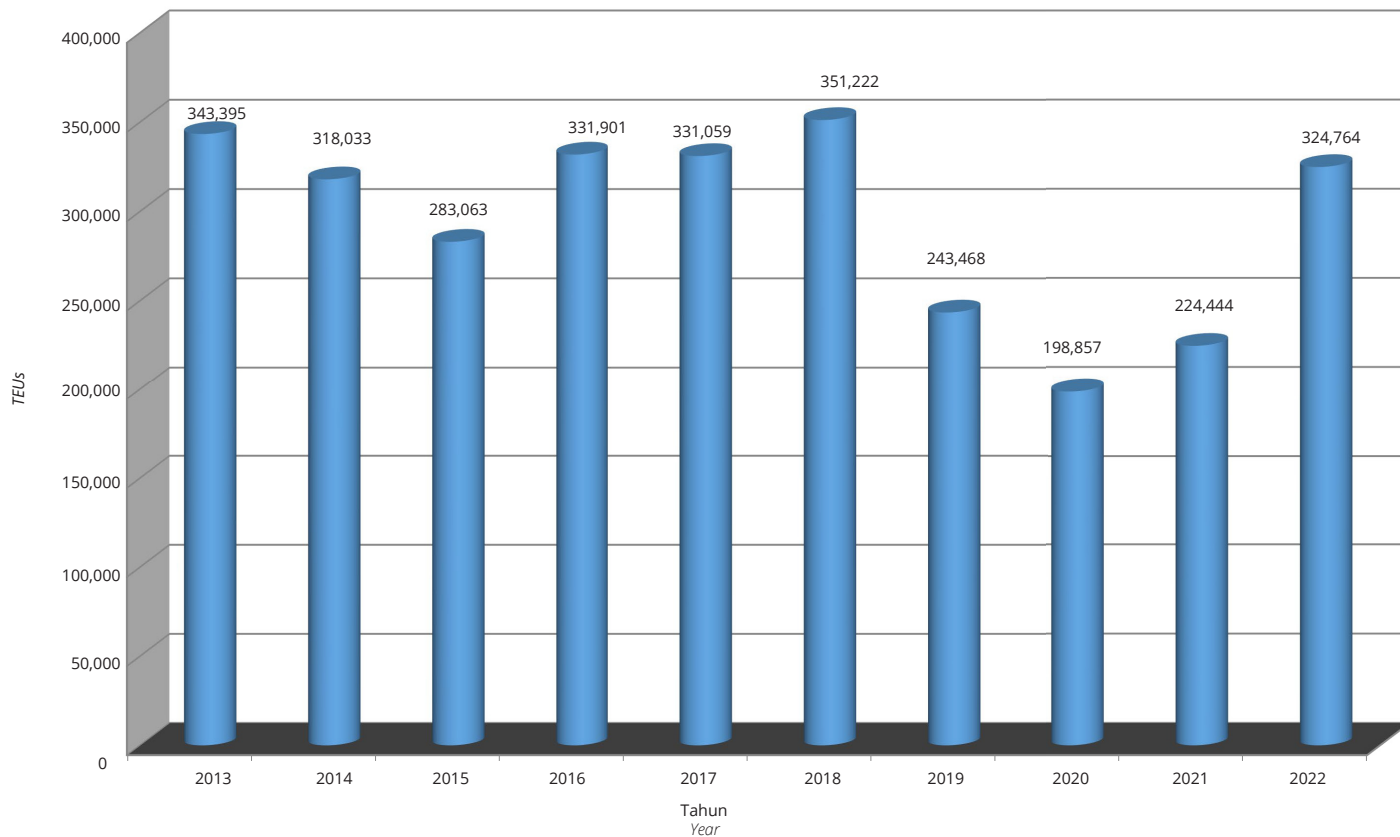
*MRT Kajang Line start operation on January 2017. Data 2017 is inclusive of non fare Ridership (Free ride)**MRT Putrajaya Line start operation on June 2022. Data 2022 is inclusive of non fare Ridership (Free ride)*

SUMBER Source : PRASARANA MALAYSIA BERHAD, EXPRESS RAIL LINK SDN BHD

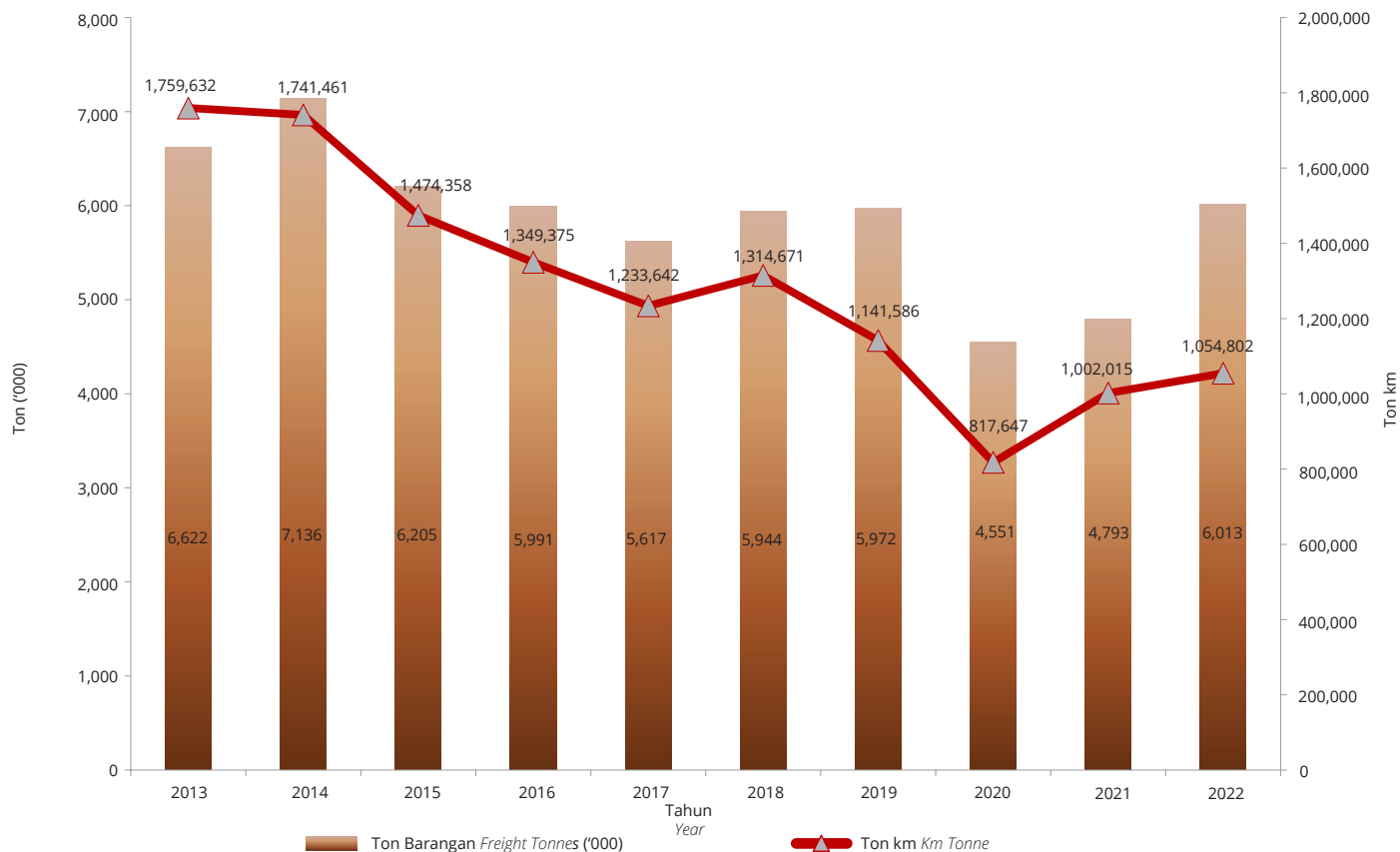
CARTA 2.1: BILANGAN PENUMPANG YANG DIKENDALIKAN OLEH KERETAPI TANAH MELAYU BERHAD, 2013-2022  
 Chart 2.1: Number of Passengers Handled by Malayan Railways Limited, 2013-2022



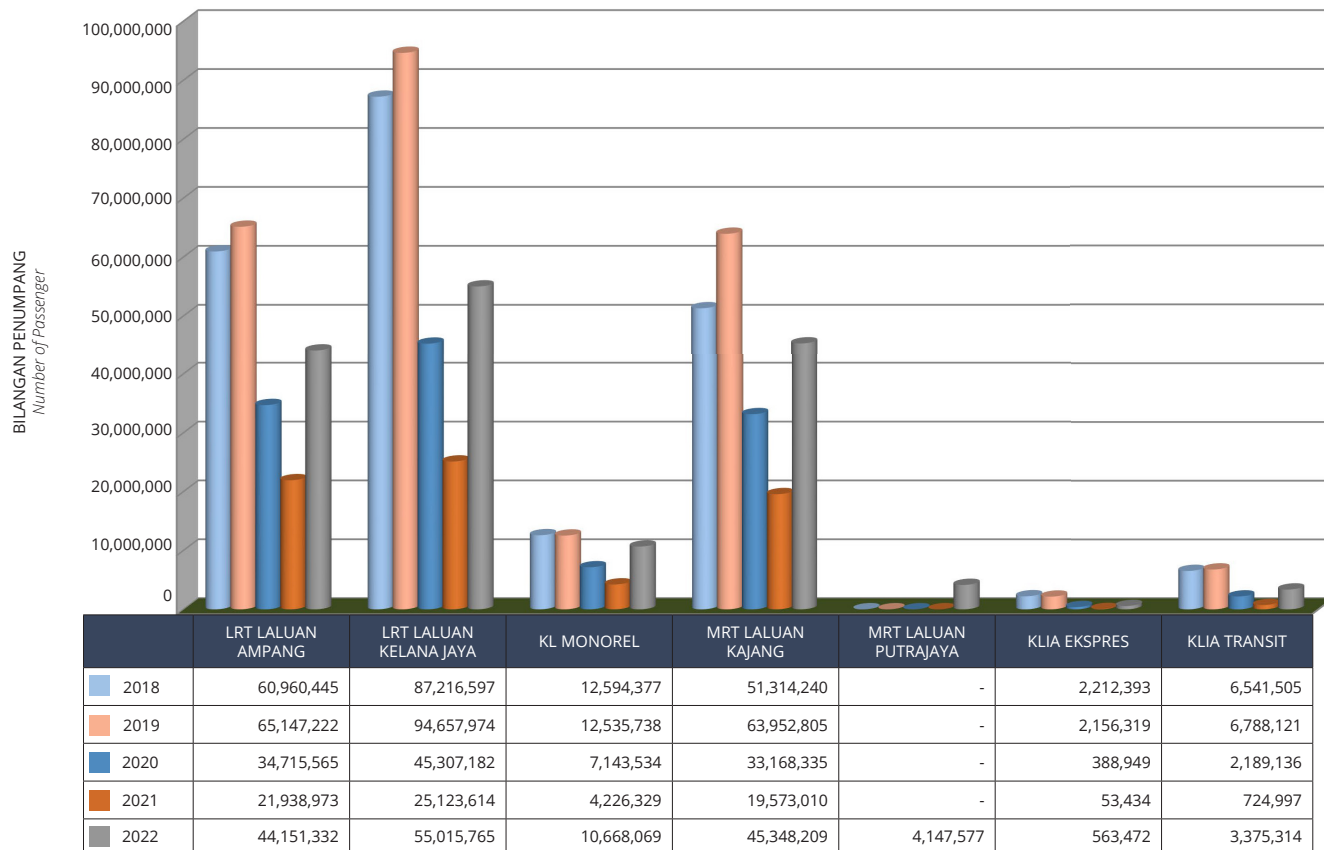
CARTA 2.2: JUMLAH KONTENA YANG DIKENDALIKAN OLEH KERETAPI TANAH MELAYU BERHAD, 2013-2022  
*Chart 2.2: Total Container Handled by Malayan Railways Limited, 2013-2022*



CARTA 2.3: TRAFIK BARANGAN YANG DIKENDALIKAN OLEH KERETAPI TANAH MELAYU BERHAD, 2013-2022  
 Chart 2.3 : Freight Traffic Handled by Malayan Railways Limited, 2013-2022



CARTA 2.4: BILANGAN PENUMPANG MENGIKUT JENIS PERKHIDMATAN PENGANGKUTAN REL, 2018-2022  
 Chart 2.4: Number of Passengers by Type of Rail Transport Services, 2018-2022





# **PENGANGKUTAN MARITIM**

*Maritime Transport*



JADUAL 3.1: JUMLAH KARGO YANG DIKENDALIKAN MENGIKUT PELABUHAN, MALAYSIA, 2013-2022

Table 3.1: Total Cargo Throughput by Ports, Malaysia, 2013-2022

('000) FREIGHT WEIGHT TONNES

| BIL No | PELABUHAN Ports |                            | 2013           | 2014           | 2015           | 2016           | 2017           | 2018           | 2019           | 2020           | 2021           | 2022           |
|--------|-----------------|----------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| 1      | KELANG          | EKSPORT Export             | 90,423         | 95,559         | 100,644        | 113,709        | 104,202        | 104,418        | 116,805        | 105,428        | 112,552        | 106,700        |
|        |                 | IMPORT Import              | 109,855        | 121,730        | 119,142        | 131,748        | 108,106        | 116,282        | 126,303        | 115,993        | 122,987        | 119,443        |
|        |                 | PINDAH KAPAL Transshipment | -              | -              | -              | -              | -              | -              | -              | -              | -              | -              |
|        |                 | <b>JUMLAH Total</b>        | <b>200,278</b> | <b>217,289</b> | <b>219,786</b> | <b>245,457</b> | <b>212,308</b> | <b>220,700</b> | <b>243,108</b> | <b>221,421</b> | <b>235,539</b> | <b>226,143</b> |
| 2      | PULAU PINANG    | EKSPORT Export             | 12,934         | 12,865         | 13,024         | 13,816         | 14,715         | 15,081         | 14,921         | 13,360         | 12,803         | 13,503         |
|        |                 | IMPORT Import              | 16,497         | 16,421         | 16,676         | 16,482         | 17,416         | 18,658         | 17,654         | 15,876         | 15,932         | 16,161         |
|        |                 | PINDAH KAPAL Transshipment | 650            | 761            | 614            | 679            | 642            | 670            | 553            | 798            | 444            | 489            |
|        |                 | <b>JUMLAH Total</b>        | <b>30,081</b>  | <b>30,047</b>  | <b>30,314</b>  | <b>30,978</b>  | <b>32,773</b>  | <b>34,409</b>  | <b>33,128</b>  | <b>30,035</b>  | <b>29,179</b>  | <b>30,153</b>  |
| 3      | JOHOR           | EKSPORT Export             | 10,402         | 10,728         | 11,389         | 11,174         | 11,842         | 13,001         | 13,666         | 13,457         | 13,737         | 13,494         |
|        |                 | IMPORT Import              | 16,577         | 16,575         | 17,263         | 16,948         | 16,534         | 18,011         | 17,478         | 16,578         | 16,594         | 17,275         |
|        |                 | PINDAH KAPAL Transshipment | -              | -              | -              | -              | -              | -              | -              | -              | -              | -              |
|        |                 | <b>JUMLAH Total</b>        | <b>26,979</b>  | <b>27,303</b>  | <b>28,652</b>  | <b>28,122</b>  | <b>28,376</b>  | <b>31,012</b>  | <b>31,144</b>  | <b>30,036</b>  | <b>30,331</b>  | <b>30,769</b>  |
| 4      | KUANTAN         | EKSPORT Export             | 15,099         | 17,001         | 36,255         | 12,149         | 11,734         | 9,357          | 13,257         | 14,431         | 11,848         | 11,236         |
|        |                 | IMPORT Import              | 4,233          | 4,365          | 3,775          | 4,192          | 5,728          | 8,641          | 12,841         | 12,835         | 11,011         | 11,130         |
|        |                 | PINDAH KAPAL Transshipment | -              | -              | -              | -              | -              | -              | -              | -              | -              | -              |
|        |                 | <b>JUMLAH Total</b>        | <b>19,332</b>  | <b>21,367</b>  | <b>40,030</b>  | <b>16,341</b>  | <b>17,462</b>  | <b>17,998</b>  | <b>26,099</b>  | <b>27,266</b>  | <b>22,859</b>  | <b>22,366</b>  |

SUMBER: SEMUA PELABUHAN DAN JABATAN LAUT

Source: All Ports and Marine Department

JADUAL 3.1: JUMLAH KARGO YANG DIKENDALIKAN MENGIKUT PELABUHAN, MALAYSIA, 2013-2022 (SAMB.)

Table 3.1: Total Cargo Throughput by Ports, Malaysia, 2013-2022 (Cont'd)

('000) FREIGHT WEIGHT TONNES

| BIL No | PELABUHAN Ports |                            | 2013          | 2014          | 2015          | 2016          | 2017          | 2018          | 2019          | 2020          | 2021          | 2022          |
|--------|-----------------|----------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| 5      | BINTULU         | EKSPORT Export             | 37,652        | 38,149        | 37,463        | 38,310        | 40,433        | 36,994        | 39,577        | 37,254        | 32,989        | 37,173        |
|        |                 | IMPORT Import              | 4,824         | 5,644         | 5,824         | 6,310         | 5,919         | 5,485         | 4,370         | 4,245         | 4,083         | 4,783         |
|        |                 | PINDAH KAPAL Transshipment | 1,329         | 1,602         | 1,450         | 1,379         | 1,293         | 1,575         | 1,249         | 1,397         | 4,765         | 2,036         |
|        |                 | <b>JUMLAH Total</b>        | <b>43,805</b> | <b>45,395</b> | <b>44,737</b> | <b>45,999</b> | <b>47,645</b> | <b>44,054</b> | <b>45,196</b> | <b>42,896</b> | <b>41,837</b> | <b>43,992</b> |
| 6      | TANJUNG BRUAS   | EKSPORT Export             | 177           | 144           | 44            | 84            | 63            | 38            | 58            | 33            | 76            | 85            |
|        |                 | IMPORT Import              | 301           | 299           | 479           | 561           | 805           | 675           | 928           | 786           | 508           | 401           |
|        |                 | PINDAH KAPAL Transshipment | -             | -             | -             | -             | -             | -             | -             | -             | -             | -             |
|        |                 | <b>JUMLAH Total</b>        | <b>477</b>    | <b>443</b>    | <b>523</b>    | <b>645</b>    | <b>868</b>    | <b>713</b>    | <b>986</b>    | <b>819</b>    | <b>584</b>    | <b>487</b>    |
| 7      | KUCHING         | EKSPORT Export             | 2,183         | 2,284         | 2,529         | 2,260         | 1,900         | 1,665         | 1,758         | 1,991         | 1,691         | 1,543         |
|        |                 | IMPORT Import              | 7,395         | 6,851         | 6,800         | 6,902         | 6,807         | 7,343         | 7,295         | 6,206         | 7,202         | 8,327         |
|        |                 | PINDAH KAPAL Transshipment | -             | -             | -             | -             | -             | -             | -             | -             | -             | -             |
|        |                 | <b>JUMLAH Total</b>        | <b>9,578</b>  | <b>9,134</b>  | <b>9,329</b>  | <b>9,162</b>  | <b>8,707</b>  | <b>9,008</b>  | <b>9,053</b>  | <b>8,197</b>  | <b>8,892</b>  | <b>9,869</b>  |
| 8      | MIRI            | EKSPORT Export             | 5,563         | 5,226         | 4,701         | 4,494         | 4,321         | 4,032         | 3,895         | 2,901         | 2,654         | 2,877         |
|        |                 | IMPORT Import              | 866           | 697           | 579           | 591           | 682           | 750           | 711           | 595           | 564           | 488           |
|        |                 | PINDAH KAPAL Transshipment | -             | -             | -             | -             | -             | -             | -             | -             | -             | -             |
|        |                 | <b>JUMLAH Total</b>        | <b>6,429</b>  | <b>5,923</b>  | <b>5,280</b>  | <b>5,086</b>  | <b>5,003</b>  | <b>4,782</b>  | <b>4,606</b>  | <b>3,496</b>  | <b>3,218</b>  | <b>3,366</b>  |

SUMBER: SEMUA PELABUHAN DAN JABATAN LAUT

Source: All Ports and Marine Department

JADUAL 3.1: JUMLAH KARGO YANG DIKENDALIKAN MENGIKUT PELABUHAN, MALAYSIA, 2013-2022 (SAMB.)

Table 3.1: Total Cargo Throughput by Ports, Malaysia, 2013-2022 (Cont'd)

('000) FREIGHT WEIGHT TONNES

| BIL<br>No | PELABUHAN<br>Ports |                               | 2013          | 2014          | 2015          | 2016          | 2017          | 2018          | 2019          | 2020          | 2021          | 2022          |
|-----------|--------------------|-------------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| 9         | RAJANG             | EKSPORT<br>Export             | 613           | 453           | 374           | 298           | 185           | 278           | 294           | 302           | 247           | 246           |
|           |                    | IMPORT<br>Import              | 1,513         | 1,325         | 1,150         | 1,109         | 1,000         | 1,047         | 995           | 1,058         | 1,165         | 1,247         |
|           |                    | PINDAH KAPAL<br>Transshipment | -             | -             | -             | -             | -             | -             | -             | -             | -             | -             |
|           |                    | <b>JUMLAH<br/>Total</b>       | <b>2,126</b>  | <b>1,778</b>  | <b>1,524</b>  | <b>1,407</b>  | <b>1,185</b>  | <b>1,325</b>  | <b>1,289</b>  | <b>1,360</b>  | <b>1,412</b>  | <b>1,493</b>  |
| 10        | SABAH              | EKSPORT<br>Export             | 13,931        | 14,308        | 15,101        | 21,692        | 23,424        | 23,557        | 21,637        | 18,883        | 18,247        | 16,510        |
|           |                    | IMPORT<br>Import              | 13,487        | 14,064        | 12,744        | 11,850        | 12,083        | 12,892        | 12,526        | 10,674        | 11,904        | 12,724        |
|           |                    | PINDAH KAPAL<br>Transshipment | -             | -             | -             | -             | -             | -             | -             | -             | -             | -             |
|           |                    | <b>JUMLAH<br/>Total</b>       | <b>27,418</b> | <b>28,372</b> | <b>27,844</b> | <b>33,542</b> | <b>35,507</b> | <b>36,449</b> | <b>34,163</b> | <b>29,558</b> | <b>30,151</b> | <b>29,234</b> |
| 11        | PORT DICKSON       | EKSPORT<br>Export             | 2,928         | 2,470         | 2,331         | 2,064         | 4,155         | 3,372         | 2,964         | 3,467         | 1,794         | 2,320         |
|           |                    | IMPORT<br>Import              | 10,179        | 9,542         | 11,714        | 11,711        | 11,811        | 19,234        | 15,386        | 12,379        | 9,830         | 9,236         |
|           |                    | PINDAH KAPAL<br>Transshipment | -             | -             | -             | -             | -             | -             | -             | -             | -             | -             |
|           |                    | <b>JUMLAH<br/>Total</b>       | <b>13,107</b> | <b>12,013</b> | <b>14,045</b> | <b>13,774</b> | <b>15,966</b> | <b>22,607</b> | <b>18,350</b> | <b>15,846</b> | <b>11,624</b> | <b>11,555</b> |
| 12        | KEMAMAN            | EKSPORT<br>Export             | 2,506         | 2,655         | 3,524         | 3,694         | 3,335         | 2,636         | 4,151         | 3,518         | 2,923         | 2,510         |
|           |                    | IMPORT<br>Import              | 1,853         | 2,208         | 2,956         | 2,129         | 2,181         | 2,474         | 3,968         | 3,438         | 2,524         | 2,019         |
|           |                    | PINDAH KAPAL<br>Transshipment | -             | -             | -             | -             | -             | -             | -             | -             | -             | -             |
|           |                    | <b>JUMLAH<br/>Total</b>       | <b>4,359</b>  | <b>4,864</b>  | <b>6,480</b>  | <b>5,824</b>  | <b>5,516</b>  | <b>5,111</b>  | <b>8,119</b>  | <b>6,956</b>  | <b>5,447</b>  | <b>4,529</b>  |

SUMBER: SEMUA PELABUHAN DAN JABATAN LAUT

Source: All Ports and Marine Department

JADUAL 3.1: JUMLAH KARGO YANG DIKENDALIKAN MENGIKUT PELABUHAN, MALAYSIA, 2013-2022 (SAMB.)

Table 3.1: Total Cargo Throughput by Ports, Malaysia, 2013-2022 (Cont'd)

('000) FREIGHT WEIGHT TONNES

| BIL<br>No | PELABUHAN<br>Ports          |                               | 2013           | 2014           | 2015           | 2016           | 2017           | 2018           | 2019           | 2020           | 2021           | 2022           |
|-----------|-----------------------------|-------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| 13        | TELUK EWA                   | EKSPORT<br>Export             | 3,473          | 3,059          | 2,794          | 2,927          | 2,338          | 2,277          | 2,536          | 1,425          | 1,920          | 1,703          |
|           |                             | IMPORT<br>Import              | 706            | 717            | 596            | 516            | 535            | 451            | 499            | 394            | 437            | 406            |
|           |                             | PINDAH KAPAL<br>Transshipment | -              | -              | -              | -              | -              | -              | -              | -              | -              | -              |
|           |                             | <b>JUMLAH<br/>Total</b>       | <b>4,180</b>   | <b>3,776</b>   | <b>3,391</b>   | <b>3,443</b>   | <b>2,873</b>   | <b>2,727</b>   | <b>3,035</b>   | <b>1,819</b>   | <b>2,357</b>   | <b>2,110</b>   |
| 14        | TANJUNG PELEPAS             | EKSPORT<br>Export             | 5,178          | 5,393          | 5,484          | 5,547          | 5,813          | 6,231          | 6,272          | 6,251          | 4,939          | 5,529          |
|           |                             | IMPORT<br>Import              | 1,584          | 1,823          | 1,988          | 2,134          | 2,203          | 2,342          | 2,500          | 2,446          | 3,141          | 2,280          |
|           |                             | PINDAH KAPAL<br>Transshipment | 115,905        | 126,825        | 130,994        | 121,661        | 122,506        | 131,234        | 128,432        | 135,928        | 159,979        | 143,767        |
|           |                             | <b>JUMLAH<br/>Total</b>       | <b>122,667</b> | <b>134,040</b> | <b>138,466</b> | <b>129,342</b> | <b>130,522</b> | <b>139,807</b> | <b>137,203</b> | <b>144,625</b> | <b>168,059</b> | <b>151,577</b> |
|           | JUMLAH BESAR<br>Grand Total | EKSPORT<br>Export             | 203,063        | 210,295        | 235,657        | 232,219        | 228,459        | 222,937        | 241,792        | 222,703        | 218,419        | 215,430        |
|           |                             | IMPORT<br>Import              | 189,868        | 202,260        | 201,686        | 213,182        | 191,810        | 214,285        | 223,453        | 203,503        | 207,882        | 205,921        |
|           |                             | PINDAH KAPAL<br>Transshipment | 117,884        | 129,188        | 133,058        | 123,719        | 124,441        | 133,479        | 130,233        | 138,123        | 165,188        | 146,292        |
|           |                             | <b>JUMLAH<br/>Total</b>       | <b>510,815</b> | <b>541,744</b> | <b>570,401</b> | <b>569,120</b> | <b>544,711</b> | <b>570,701</b> | <b>595,478</b> | <b>564,329</b> | <b>591,489</b> | <b>567,644</b> |

SUMBER: SEMUA PELABUHAN DAN JABATAN LAUT

Source: All Ports and Marine Department

JADUAL 3.2 : JUMLAH KARGO YANG DIKENDALIKAN MENGIKUT PELABUHAN DAN JENIS, MALAYSIA, 2022

*Table 3.2 : Total Cargo Throughput by Ports and Type, Malaysia, 2022**(‘000) FREIGHT WEIGHT TONNES*

| PELABUHAN<br><i>Ports</i> | PUKAL KERING<br><i>Dry Bulk</i>                    |                                                   | PUKAL CECAIR<br><i>Liquid Bulk</i>                 |                                                   | KARGO AM<br><i>General Cargo</i>                   |                                                   | JUMLAH<br><i>Total</i> | KARGO<br>DALAM<br>KONTENA<br><i>Containerized<br/>Cargo</i> | LAIN-LAIN<br><i>Others</i> | JUMLAH<br>BESAR<br><i>Grand Total</i> |
|---------------------------|----------------------------------------------------|---------------------------------------------------|----------------------------------------------------|---------------------------------------------------|----------------------------------------------------|---------------------------------------------------|------------------------|-------------------------------------------------------------|----------------------------|---------------------------------------|
|                           | PERDAGANGAN<br>LUAR NEGERI<br><i>Foreign Trade</i> | PERDAGANGAN<br>DALAM NEGERI<br><i>Local Trade</i> | PERDAGANGAN<br>LUAR NEGERI<br><i>Foreign Trade</i> | PERDAGANGAN<br>DALAM NEGERI<br><i>Local Trade</i> | PERDAGANGAN<br>LUAR NEGERI<br><i>Foreign Trade</i> | PERDAGANGAN<br>DALAM NEGERI<br><i>Local Trade</i> |                        |                                                             |                            |                                       |
| KELANG                    | 8,650                                              | 2,056                                             | 6,550                                              | 2,931                                             | 6,202                                              | 3,953                                             | 30,342                 | 195,801                                                     | -                          | 226,143                               |
| PULAU PINANG              | 2,934                                              | 567                                               | 3,483                                              | 838                                               | 243                                                | 939                                               | 9,003                  | 20,660                                                      | 489                        | 30,153                                |
| JOHOR                     | 2,979                                              | 995                                               | 12,703                                             | 1,773                                             | 595                                                | 16                                                | 19,061                 | 11,708                                                      | -                          | 30,769                                |
| KUANTAN                   | 11,891                                             | 53                                                | 3,056                                              | 1,697                                             | 3,071                                              | 41                                                | 19,808                 | 2,558                                                       | -                          | 22,366                                |
| BINTULU                   | 57                                                 | 2,842                                             | 4,373                                              | 30,109                                            | 249                                                | 862                                               | 38,492                 | 5,500                                                       | -                          | 43,992                                |
| TANJUNG BRUAS             | 73                                                 | -                                                 | 23                                                 | -                                                 | 391                                                | -                                                 | 487                    | -                                                           | -                          | 487                                   |
| KUCHING                   | 501                                                | 8                                                 | 723                                                | 480                                               | 546                                                | 1,366                                             | 3,624                  | 6,245                                                       | -                          | 9,869                                 |
| MIRI                      | 73                                                 | -                                                 | 1,722                                              | 403                                               | 339                                                | 829                                               | 3,366                  | -                                                           | -                          | 3,366                                 |
| RAJANG                    | 17                                                 | -                                                 | -                                                  | -                                                 | 21                                                 | 64                                                | 102                    | 1,391                                                       | -                          | 1,493                                 |
| SABAH                     | -                                                  | -                                                 | -                                                  | -                                                 | -                                                  | -                                                 | -                      | -                                                           | 29,234                     | 29,234                                |
| PORT DICKSON              | -                                                  | -                                                 | 2,581                                              | 3,363                                             | 5,611                                              | -                                                 | 11,555                 | -                                                           | -                          | 11,555                                |
| KEMAMAN                   | 2,050                                              | 72                                                | 1,562                                              | 340                                               | 504                                                | *                                                 | 4,529                  | -                                                           | -                          | 4,529                                 |
| TELOK EWA                 | 1,703                                              | 339                                               | -                                                  | 67                                                | -                                                  | -                                                 | 2,110                  | -                                                           | -                          | 2,110                                 |
| TANJUNG PELEPAS           | -                                                  | -                                                 | -                                                  | -                                                 | -                                                  | -                                                 | -                      | 151,577                                                     | -                          | 151,577                               |
| <b>JUMLAH<br/>Total</b>   | <b>30,929</b>                                      | <b>6,932</b>                                      | <b>36,775</b>                                      | <b>42,003</b>                                     | <b>17,772</b>                                      | <b>8,069</b>                                      | <b>142,480</b>         | <b>395,441</b>                                              | <b>29,723</b>              | <b>567,644</b>                        |

SUMBER: SEMUA PELABUHAN DAN JABATAN LAUT

*Source: All Ports and Marine Department*

JADUAL 3.3: BARANGAN YANG DIISI MENGIKUT PELABUHAN DAN JENIS, MALAYSIA, 2022

Table 3.3: Commodities Loaded by Ports and Types, Malaysia, 2022

('000) FREIGHT WEIGHT TONNES

| PELABUHAN<br>Ports      | MINYAK<br>KELAPA<br>SAWIT<br>Palm Oil | BUANGAN<br>ISI SAWIT<br>Palm<br>Kernel<br>Waste | PETROLEUM<br>& MINYAK<br>PEMBAKAR<br>Petroleum &<br>Fuel Oil | GAS ASLI<br>CECAIR<br>Liquefied<br>Natural Gas | GAS<br>PETROLEUM<br>CAIR<br>Liquefied<br>Petroleum<br>Gas | KAYU<br>KAYAN<br>PROSES<br>Processed<br>Timber | KAYU<br>BALAK<br>Logs | BIJIRIN<br>Grains/<br>Cereals | BESI/<br>BESI<br>WAJA<br>Iron/<br>Steel | BAHAN<br>KIMIA/<br>BAJA<br>Chemical/<br>Fertilizer | GETAH<br>& SUSU<br>GETAH<br>Rubber &<br>Latex | SIMEN/<br>KLINKER<br>Cement/<br>Clinker | BIJIH &<br>GALIAN<br>Ore &<br>Mineral | LAIN-<br>LAIN<br>Others | JUMLAH<br>Total |
|-------------------------|---------------------------------------|-------------------------------------------------|--------------------------------------------------------------|------------------------------------------------|-----------------------------------------------------------|------------------------------------------------|-----------------------|-------------------------------|-----------------------------------------|----------------------------------------------------|-----------------------------------------------|-----------------------------------------|---------------------------------------|-------------------------|-----------------|
| KELANG                  | 2,135                                 | 569                                             | 1,220                                                        | -                                              | -                                                         | 177                                            | 23                    | -                             | 728                                     | 906                                                | -                                             | -                                       | -                                     | 100,942                 | 106,700         |
| PULAU PINANG            | 278                                   | -                                               | 365                                                          | -                                              | *                                                         | 473                                            | 887                   | 17                            | 826                                     | 1,080                                              | 2,481                                         | *                                       | -                                     | 7,095                   | 13,503          |
| JOHOR                   | 3,859                                 | 359                                             | 1,927                                                        | -                                              | -                                                         | -                                              | -                     | -                             | 14                                      | -                                                  | -                                             | -                                       | -                                     | 7,336                   | 13,494          |
| KUANTAN                 | 982                                   | 303                                             | 82                                                           | -                                              | -                                                         | 186                                            | -                     | -                             | 2,549                                   | 774                                                | -                                             | 56                                      | 2,798                                 | 3,506                   | 11,236          |
| BINTULU                 | 3,927                                 | 692                                             | 4,444                                                        | 24,893                                         | 24                                                        | 912                                            | 42                    | -                             | -                                       | -                                                  | -                                             | 39                                      | -                                     | 2,200                   | 37,173          |
| TANJUNG<br>BRUAS        | -                                     | -                                               | -                                                            | -                                              | -                                                         | -                                              | -                     | -                             | -                                       | -                                                  | -                                             | -                                       | -                                     | 85                      | 85              |
| KUCHING                 | 391                                   | -                                               | *                                                            | -                                              | -                                                         | 20                                             | -                     | 7                             | 192                                     | 48                                                 | 61                                            | 2                                       | -                                     | 820                     | 1,543           |
| MIRI                    | -                                     | -                                               | 909                                                          | -                                              | -                                                         | 203                                            | 37                    | -                             | 5                                       | 1                                                  | *                                             | 2                                       | -                                     | 1,720                   | 2,877           |
| RAJANG                  | -                                     | -                                               | -                                                            | -                                              | -                                                         | 90                                             | -                     | -                             | 42                                      | -                                                  | -                                             | -                                       | -                                     | 114                     | 246             |
| SABAH                   | -                                     | -                                               | -                                                            | -                                              | -                                                         | -                                              | -                     | -                             | -                                       | -                                                  | -                                             | -                                       | -                                     | 16,510                  | 16,510          |
| PORT DICKSON            | -                                     | -                                               | 2,320                                                        | -                                              | -                                                         | -                                              | -                     | -                             | -                                       | -                                                  | -                                             | -                                       | -                                     | -                       | 2,320           |
| KEMAMAN                 | -                                     | -                                               | 115                                                          | -                                              | 742                                                       | -                                              | -                     | -                             | 437                                     | -                                                  | -                                             | -                                       | 618                                   | 598                     | 2,510           |
| TELOK EWA               | -                                     | -                                               | -                                                            | -                                              | -                                                         | -                                              | -                     | -                             | -                                       | -                                                  | -                                             | 1,703                                   | -                                     | -                       | 1,703           |
| TANJUNG<br>PELEPAS      | -                                     | -                                               | -                                                            | -                                              | -                                                         | -                                              | -                     | -                             | -                                       | -                                                  | -                                             | -                                       | -                                     | 5,529                   | 5,529           |
| <b>JUMLAH<br/>Total</b> | <b>11,573</b>                         | <b>1,923</b>                                    | <b>11,382</b>                                                | <b>24,893</b>                                  | <b>766</b>                                                | <b>2,060</b>                                   | <b>989</b>            | <b>24</b>                     | <b>4,794</b>                            | <b>2,809</b>                                       | <b>2,542</b>                                  | <b>1,803</b>                            | <b>3,416</b>                          | <b>146,456</b>          | <b>215,430</b>  |

SUMBER: SEMUA PELABUHAN DAN JABATAN LAUT

Source: All Ports and Marine Department

JADUAL 3.4: BARANGAN YANG DIPUNGGAH MENGIKUT PELABUHAN DAN JENIS, MALAYSIA, 2022

Table 3.4 : Commodities Unloaded by Ports and Types, Malaysia, 2022

('000) FREIGHT WEIGHT TONNES

| PELABUHAN<br><i>Ports</i>      | MINYAK<br>KELAPA<br>SAWIT<br><i>Palm Oil</i> | PETROLEUM<br>& MINYAK<br>PEMBAKAR<br><i>Petroleum &amp;<br/>Fuel Oil</i> | BESI/<br>BESI<br>WAJA<br><i>Iron/<br/>Steel</i> | BIJIRIN<br><i>Grains/<br/>Cereals</i> | GULA<br><i>Sugar</i> | BAHAN<br>KIMIA/ BAJA<br><i>Chemical/<br/>Fertilizer</i> | MESIN/<br>PERALATAN<br>CKD<br><i>Machinery/<br/>Component<br/>CKD</i> | KERTAS<br><i>Paper<br/>Reels</i> | KAIN<br><i>Textiles</i> | SIMEN/<br>KLINKER<br>Cement/<br>Clinker | MAKANAN<br>PROSES<br><i>Processed<br/>Foodstuff</i> | LAIN-LAIN<br><i>Others</i> | JUMLAH<br><i>Total</i> |
|--------------------------------|----------------------------------------------|--------------------------------------------------------------------------|-------------------------------------------------|---------------------------------------|----------------------|---------------------------------------------------------|-----------------------------------------------------------------------|----------------------------------|-------------------------|-----------------------------------------|-----------------------------------------------------|----------------------------|------------------------|
| KELANG                         | 2,152                                        | 1,517                                                                    | 2,618                                           | 3,263                                 | 559                  | 1,576                                                   | 117                                                                   | -                                | -                       | -                                       | -                                                   | 107,641                    | 119,443                |
| PULAU PINANG                   | 111                                          | 3,049                                                                    | 1,201                                           | 1,650                                 | 897                  | 829                                                     | 2,638                                                                 | 491                              | 239                     | -                                       | 1,162                                               | 3,893                      | 16,161                 |
| JOHOR                          | 2,265                                        | 5,642                                                                    | 294                                             | 633                                   | -                    | 387                                                     | -                                                                     | -                                | -                       | 1,107                                   | -                                                   | 6,948                      | 17,275                 |
| KUANTAN                        | 237                                          | 1,752                                                                    | 381                                             | -                                     | -                    | 1,073                                                   | -                                                                     | -                                | -                       | -                                       | -                                                   | 7,688                      | 11,130                 |
| BINTULU                        | 259                                          | 896                                                                      | -                                               | -                                     | -                    | 641                                                     | -                                                                     | -                                | -                       | 367                                     | -                                                   | 2,620                      | 4,783                  |
| TANJUNG BRUAS                  | -                                            | -                                                                        | -                                               | -                                     | -                    | -                                                       | -                                                                     | -                                | -                       | -                                       | -                                                   | 401                        | 401                    |
| KUCHING                        | -                                            | 846                                                                      | 580                                             | 638                                   | 57                   | 454                                                     | 339                                                                   | 108                              | 88                      | 284                                     | 626                                                 | 4,307                      | 8,327                  |
| MIRI                           | -                                            | 31                                                                       | 25                                              | -                                     | 4                    | 15                                                      | 5                                                                     | 4                                | *                       | -                                       | -                                                   | 403                        | 488                    |
| RAJANG                         | -                                            | 32                                                                       | 79                                              | 29                                    | 9                    | 65                                                      | 130                                                                   | 11                               | 46                      | -                                       | 232                                                 | 614                        | 1,247                  |
| SABAH                          | -                                            | -                                                                        | -                                               | -                                     | -                    | -                                                       | -                                                                     | -                                | -                       | -                                       | -                                                   | 12,724                     | 12,724                 |
| PORT DICKSON                   | -                                            | 3,710                                                                    | -                                               | -                                     | -                    | -                                                       | -                                                                     | -                                | -                       | -                                       | -                                                   | 5,526                      | 9,236                  |
| KEMAMAN                        | -                                            | 241                                                                      | -                                               | -                                     | 219                  | 208                                                     | -                                                                     | -                                | -                       | -                                       | -                                                   | 1,351                      | 2,019                  |
| TELOK EWA                      | -                                            | 80                                                                       | -                                               | -                                     | -                    | -                                                       | -                                                                     | -                                | -                       | -                                       | -                                                   | 326                        | 406                    |
| TANJUNG PELEPAS                | -                                            | -                                                                        | -                                               | -                                     | -                    | -                                                       | -                                                                     | -                                | -                       | -                                       | -                                                   | 2,280                      | 2,280                  |
| <b>JUMLAH<br/><i>Total</i></b> | <b>5,024</b>                                 | <b>17,796</b>                                                            | <b>5,179</b>                                    | <b>6,213</b>                          | <b>1,745</b>         | <b>5,247</b>                                            | <b>3,230</b>                                                          | <b>614</b>                       | <b>374</b>              | <b>1,758</b>                            | <b>2,020</b>                                        | <b>156,723</b>             | <b>205,921</b>         |

SUMBER: SEMUA PELABUHAN DAN JABATAN LAUT

Source: All Ports and Marine Department

JADUAL 3.5: JUMLAH KONTENA YANG DIKENDALIKAN MENGIKUT PELABUHAN, MALAYSIA, 2013-2022

Table 3.5: Total Container Throughput by Ports, Malaysia, 2013-2022

| BIL<br>No | PELABUHAN<br>Ports |                               | TEUs              |                   |                   |                   |                   |                   |                   |                   |                   |                   |
|-----------|--------------------|-------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
|           |                    |                               | 2013              | 2014              | 2015              | 2016              | 2017              | 2018              | 2019              | 2020              | 2021              | 2022              |
| 1         | KELANG             | EKSPORT<br>Export             | 1,860,613         | 1,942,773         | 1,979,828         | 2,063,736         | 2,161,053         | 2,353,835         | 2,485,728         | 2,564,794         | 2,651,608         | 2,799,443         |
|           |                    | IMPORT<br>Import              | 1,907,495         | 1,962,431         | 1,976,188         | 2,038,527         | 2,174,755         | 2,394,845         | 2,548,592         | 2,556,427         | 2,681,368         | 2,883,037         |
|           |                    | PINDAH KAPAL<br>Transshipment | 6,582,299         | 7,040,600         | 7,930,669         | 9,107,314         | 7,642,358         | 7,567,323         | 8,546,397         | 8,123,202         | 8,391,484         | 7,541,448         |
|           |                    | <b>JUMLAH<br/>Total</b>       | <b>10,350,407</b> | <b>10,945,804</b> | <b>11,886,685</b> | <b>13,209,577</b> | <b>11,978,166</b> | <b>12,316,003</b> | <b>13,580,717</b> | <b>13,244,423</b> | <b>13,724,460</b> | <b>13,223,928</b> |
| 2         | PULAU PINANG       | EKSPORT<br>Export             | 593,785           | 594,255           | 612,993           | 681,463           | 723,632           | 715,939           | 705,858           | 647,634           | 605,504           | 602,315           |
|           |                    | IMPORT<br>Import              | 565,894           | 563,557           | 603,007           | 661,323           | 705,922           | 705,841           | 700,642           | 630,829           | 608,460           | 620,267           |
|           |                    | PINDAH KAPAL<br>Transshipment | 78,034            | 107,900           | 101,352           | 94,334            | 94,274            | 88,596            | 84,145            | 109,524           | 64,042            | 77,358            |
|           |                    | <b>JUMLAH<br/>Total</b>       | <b>1,237,713</b>  | <b>1,265,712</b>  | <b>1,317,352</b>  | <b>1,437,120</b>  | <b>1,523,828</b>  | <b>1,510,376</b>  | <b>1,490,645</b>  | <b>1,387,987</b>  | <b>1,278,006</b>  | <b>1,299,940</b>  |
| 3         | JOHOR              | EKSPORT<br>Export             | 339,939           | 350,721           | 364,705           | 373,986           | 411,989           | 441,032           | 480,061           | 473,017           | 441,842           | 442,038           |
|           |                    | IMPORT<br>Import              | 380,055           | 383,407           | 408,481           | 428,793           | 474,096           | 490,524           | 548,759           | 519,041           | 467,037           | 458,112           |
|           |                    | PINDAH KAPAL<br>Transshipment | 37,029            | 58,373            | 27,338            | 24,234            | 14,607            | 10,033            | 15,034            | 13,065            | 28,326            | 18,448            |
|           |                    | <b>JUMLAH<br/>Total</b>       | <b>757,023</b>    | <b>792,501</b>    | <b>800,524</b>    | <b>827,013</b>    | <b>900,692</b>    | <b>941,589</b>    | <b>1,043,854</b>  | <b>1,005,123</b>  | <b>937,205</b>    | <b>918,598</b>    |
| 4         | KUANTAN            | EKSPORT<br>Export             | 63,482            | 67,150            | 72,319            | 73,952            | 76,061            | 78,696            | 80,348            | 79,365            | 72,087            | 67,368            |
|           |                    | IMPORT<br>Import              | 62,746            | 63,902            | 68,360            | 67,687            | 70,978            | 71,216            | 73,802            | 70,447            | 67,394            | 60,481            |
|           |                    | PINDAH KAPAL<br>Transshipment | 320               | 192               | 280               | -                 | 2                 | -                 | -                 | 70                | -                 | 238               |
|           |                    | <b>JUMLAH<br/>Total</b>       | <b>126,548</b>    | <b>131,244</b>    | <b>140,959</b>    | <b>141,639</b>    | <b>147,041</b>    | <b>149,912</b>    | <b>154,150</b>    | <b>149,882</b>    | <b>139,481</b>    | <b>128,087</b>    |

SUMBER: SEMUA PELABUHAN DAN JABATAN LAUT  
Source: All Ports and Marine Department

JADUAL 3.5: JUMLAH KONTENA YANG DIKENDALIKAN MENGIKUT PELABUHAN, MALAYSIA, 2013-2022 (SAMB.)

Table 3.5: Total Container Throughput By Ports, Malaysia, 2013-2022 (Cont'd)

TEUs

| BIL<br>No | PELABUHAN<br>Ports |                               | 2013           | 2014           | 2015           | 2016           | 2017           | 2018           | 2019           | 2020           | 2021           | 2022           |
|-----------|--------------------|-------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| 5         | BINTULU            | EKSPORT<br>Export             | 89,986         | 94,434         | 86,669         | 99,703         | 119,215        | 128,266        | 135,204        | 123,180        | 119,391        | 126,322        |
|           |                    | IMPORT<br>Import              | 90,505         | 94,620         | 84,939         | 103,086        | 121,595        | 137,621        | 137,904        | 130,740        | 122,965        | 126,695        |
|           |                    | PINDAH KAPAL<br>Transshipment | 69,862         | 81,441         | 72,091         | 74,322         | 68,339         | 82,778         | 72,398         | 85,701         | 113,344        | 111,152        |
|           |                    | <b>JUMLAH<br/>Total</b>       | <b>250,353</b> | <b>270,495</b> | <b>243,699</b> | <b>277,111</b> | <b>309,149</b> | <b>348,665</b> | <b>345,506</b> | <b>339,621</b> | <b>355,700</b> | <b>364,169</b> |
| 6         | TANJUNG BRUAS      | EKSPORT<br>Export             | -              | -              | -              | -              | -              | -              | 5,401          | 6,970          | 9,547          | 8,853          |
|           |                    | IMPORT<br>Import              | -              | -              | -              | -              | -              | -              | 6,229          | 7,172          | 10,298         | 8,926          |
|           |                    | PINDAH KAPAL<br>Transshipment | -              | -              | -              | -              | -              | -              | -              | -              | -              | -              |
|           |                    | <b>JUMLAH<br/>Total</b>       | <b>-</b>       | <b>-</b>       | <b>-</b>       | <b>-</b>       | <b>-</b>       | <b>-</b>       | <b>11,630</b>  | <b>14,142</b>  | <b>19,845</b>  | <b>17,779</b>  |
| 7         | KUCHING            | EKSPORT<br>Export             | 122,508        | 110,416        | 108,653        | 106,441        | 108,208        | 119,343        | 115,517        | 117,452        | 129,629        | 144,602        |
|           |                    | IMPORT<br>Import              | 108,492        | 109,222        | 111,541        | 113,198        | 114,277        | 123,955        | 122,962        | 118,795        | 134,541        | 147,137        |
|           |                    | PINDAH KAPAL<br>Transshipment | 18,690         | 8,022          | 5,134          | 4,149          | 3,555          | 2,257          | 2,074          | 1,749          | 382            | 123            |
|           |                    | <b>JUMLAH<br/>Total</b>       | <b>249,690</b> | <b>227,660</b> | <b>225,328</b> | <b>223,788</b> | <b>226,040</b> | <b>245,555</b> | <b>240,553</b> | <b>237,996</b> | <b>264,552</b> | <b>291,862</b> |
| 8         | MIRI               | EKSPORT<br>Export             | 15,224         | 14,519         | 12,919         | 14,445         | 15,167         | 13,777         | 14,046         | 11,326         | 11,243         | 9,051          |
|           |                    | IMPORT<br>Import              | 18,723         | 18,373         | 16,458         | 16,266         | 14,681         | 15,162         | 14,340         | 11,984         | 10,906         | 15,128         |
|           |                    | PINDAH KAPAL<br>Transshipment | -              | -              | -              | -              | -              | -              | -              | -              | -              | -              |
|           |                    | <b>JUMLAH<br/>Total</b>       | <b>33,947</b>  | <b>32,892</b>  | <b>29,377</b>  | <b>30,711</b>  | <b>29,848</b>  | <b>28,939</b>  | <b>28,386</b>  | <b>23,310</b>  | <b>22,149</b>  | <b>24,179</b>  |

SUMBER: SEMUA PELABUHAN DAN JABATAN LAUT  
Source: All Ports and Marine Department

JADUAL 3.5: JUMLAH KONTENA YANG DIKENDALIKAN MENGIKUT PELABUHAN, MALAYSIA, 2013-2022 (SAMB.)

Table 3.5: Total Container Throughput By Ports, Malaysia, 2013-2022 (Cont'd)

TEUs

| BIL<br>No | PELABUHAN<br>Ports          |                               | 2013              | 2014              | 2015              | 2016              | 2017              | 2018              | 2019              | 2020              | 2021              | 2022              |
|-----------|-----------------------------|-------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| 9         | RAJANG                      | EKSPORT<br>Export             | 34,181            | 29,830            | 28,081            | 23,496            | 18,044            | 25,655            | 29,161            | 31,667            | 35,885            | 41,820            |
|           |                             | IMPORT<br>Import              | 46,896            | 46,258            | 42,375            | 39,282            | 37,321            | 39,678            | 38,432            | 40,104            | 44,005            | 46,080            |
|           |                             | PINDAH KAPAL<br>Transshipment | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 |
|           |                             | <b>JUMLAH<br/>Total</b>       | <b>81,077</b>     | <b>76,088</b>     | <b>70,456</b>     | <b>62,778</b>     | <b>55,365</b>     | <b>65,333</b>     | <b>67,593</b>     | <b>71,771</b>     | <b>79,890</b>     | <b>87,900</b>     |
| 10        | SABAH                       | EKSPORT<br>Export             | 180,504           | 191,623           | 181,175           | 177,016           | 175,458           | 192,295           | 189,428           | 178,112           | 196,439           | 224,520           |
|           |                             | IMPORT<br>Import              | 183,984           | 193,362           | 180,100           | 179,055           | 177,361           | 178,478           | 189,082           | 179,096           | 199,425           | 224,905           |
|           |                             | PINDAH KAPAL<br>Transshipment | 8,554             | 13,815            | 1,910             | 1,315             | 336               | 3,392             | 874               | 208               | 1,477             | 60                |
|           |                             | <b>JUMLAH<br/>Total</b>       | <b>373,042</b>    | <b>398,800</b>    | <b>363,185</b>    | <b>357,386</b>    | <b>353,155</b>    | <b>374,165</b>    | <b>379,384</b>    | <b>357,416</b>    | <b>397,341</b>    | <b>449,485</b>    |
| 11        | TANJUNG<br>PELEPAS          | EKSPORT<br>Export             | 310,572           | 322,792           | 325,775           | 326,569           | 336,086           | 368,322           | 364,343           | 361,663           | 324,674           | 331,736           |
|           |                             | IMPORT<br>Import              | 132,231           | 143,886           | 147,848           | 157,233           | 178,595           | 190,134           | 203,467           | 208,372           | 208,887           | 206,261           |
|           |                             | PINDAH KAPAL<br>Transshipment | 6,973,716         | 7,765,434         | 8,325,125         | 7,796,909         | 7,745,929         | 8,402,409         | 8,509,676         | 9,276,073         | 10,666,685        | 9,974,809         |
|           |                             | <b>JUMLAH<br/>Total</b>       | <b>7,416,518</b>  | <b>8,232,113</b>  | <b>8,798,747</b>  | <b>8,280,710</b>  | <b>8,260,609</b>  | <b>8,960,865</b>  | <b>9,077,485</b>  | <b>9,846,107</b>  | <b>11,200,245</b> | <b>10,512,806</b> |
|           | JUMLAH BESAR<br>Grand Total | EKSPORT<br>Export             | 3,610,794         | 3,718,513         | 3,773,117         | 3,940,807         | 4,144,913         | 4,437,160         | 4,605,095         | 4,595,180         | 4,597,849         | 4,798,068         |
|           |                             | IMPORT<br>Import              | 3,497,021         | 3,579,018         | 3,639,297         | 3,804,450         | 4,069,581         | 4,347,454         | 4,584,211         | 4,473,007         | 4,555,286         | 4,797,030         |
|           |                             | PINDAH KAPAL<br>Transshipment | 13,768,504        | 15,075,777        | 16,463,899        | 17,102,577        | 15,569,400        | 16,156,788        | 17,230,598        | 17,609,592        | 19,265,740        | 17,723,636        |
|           |                             | <b>JUMLAH<br/>Total</b>       | <b>20,876,318</b> | <b>22,373,309</b> | <b>23,876,312</b> | <b>24,847,833</b> | <b>23,783,893</b> | <b>24,941,402</b> | <b>26,419,903</b> | <b>26,677,778</b> | <b>28,418,874</b> | <b>27,318,733</b> |

SUMBER: SEMUA PELABUHAN DAN JABATAN LAUT  
Source: All Ports and Marine Department

JADUAL 3.6: JUMLAH KAPAL YANG BERLABUH MENGIKUT PELABUHAN, MALAYSIA, 2013-2022  
 Table 3.6 : Total Number of Ships Calling by Ports, Malaysia, 2013-2022

| PELABUHAN <i>Ports</i>  |                     | 2013           | 2014           | 2015           | 2016           | 2017           | 2018           | 2019           | 2020           | 2021           | 2022           |
|-------------------------|---------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| KELANG                  | BIL / No            | 16,703         | 15,298         | 16,541         | 16,323         | 15,322         | 14,547         | 14,234         | 13,294         | 11,717         | 12,997         |
|                         | GT ( ' 000 )        | 407,918        | 409,806        | 441,580        | 464,732        | 420,897        | 435,237        | 446,952        | 490,995        | 430,455        | 393,992        |
| PULAU PINANG            | BIL / No            | 6,309          | 6,137          | 6,226          | 7,008          | 6,610          | 6,449          | 5,798          | 3,555          | 2,374          | 3,353          |
|                         | GT ( ' 000 )        | 63,992         | 59,389         | 64,526         | 68,936         | 82,140         | 73,890         | 74,281         | 46,368         | 32,733         | 60,368         |
| JOHOR                   | BIL / No            | 4,133          | 3,964          | 3,984          | 4,044          | 3,951          | 3,850          | 3,858          | 3,691          | 3,634          | 3,864          |
|                         | GT ( ' 000 )        | 29,614         | 25,894         | 28,096         | 30,672         | 31,781         | 38,920         | 41,987         | 42,557         | 43,295         | 41,815         |
| KUANTAN                 | BIL / No            | 2,406          | 2,342          | 2,347          | 1,820          | 1,924          | 1,865          | 2,117          | 2,346          | 2,119          | 2,020          |
|                         | GT ( ' 000 )        | 23,153         | 24,803         | 35,374         | 20,225         | 22,616         | 22,716         | 28,559         | 30,798         | 28,222         | 26,444         |
| BINTULU                 | BIL / No            | 8,239          | 8,478          | 7,329          | 7,457          | 7,717          | 7,744          | 6,555          | 6,555          | 6,473          | 7,152          |
|                         | GT ( ' 000 )        | 67,534         | 68,593         | 67,009         | 68,770         | 69,528         | 67,188         | 72,537         | 70,906         | 69,476         | 66,703         |
| TANJUNG BRUAS           | BIL / No            | 117            | 352            | 305            | 236            | 528            | 180            | 218            | 169            | 123            | 120            |
|                         | GT ( ' 000 )        | 471            | 3,786          | 4,433          | 649            | 5,143          | 1,461          | 2,487          | 1,769          | 897            | 839            |
| KUCHING                 | BIL / No            | 2,054          | 1,897          | 2,012          | 1,759          | 1,542          | 1,517          | 1,427          | 1,212          | 1,173          | 1,368          |
|                         | GT ( ' 000 )        | 10,624         | 10,784         | 11,079         | 10,797         | 10,410         | 10,657         | 11,140         | 7,860          | 8,953          | 9,524          |
| MIRI                    | BIL / No            | 1,702          | 1,508          | 1,039          | 872            | 1,477          | 3,648          | 6,485          | 4,922          | 6,323          | 4,188          |
|                         | GT ( ' 000 )        | 7,545          | 6,745          | 6,041          | 6,148          | 5,424          | 5,627          | 6,115          | 5,484          | 5,024          | 4,976          |
| RAJANG                  | BIL / No            | 1,034          | 908            | 702            | 667            | 589            | 574            | 552            | 560            | 495            | 452            |
|                         | GT ( ' 000 )        | 1,998          | 1,416          | 1,022          | 998            | 894            | 885            | 867            | 849            | 799            | 837            |
| SABAH                   | BIL / No            | 13,228         | 14,178         | 13,769         | 11,242         | 9,914          | 9,224          | 8,686          | 7,239          | 7,323          | 9,283          |
|                         | GT ( ' 000 )        | 40,811         | 46,468         | 42,146         | 45,492         | 47,450         | 46,230         | 47,740         | 41,164         | 41,041         | 39,937         |
| PORT DICKSON            | BIL / No            | 854            | 880            | 897            | 724            | 741            | 669            | 736            | 721            | 627            | 562            |
|                         | GT ( ' 000 )        | 12,062         | 11,521         | 19,229         | 17,337         | 11,903         | 11,474         | 13,349         | 12,059         | 11,728         | 8,912          |
| KEMAMAN                 | BIL / No            | 554            | 495            | 639            | 633            | 629            | 541            | 795            | 753            | 495            | 491            |
|                         | GT ( ' 000 )        | 4,002          | 4,401          | 5,711          | 5,567          | 5,282          | 4,970          | 7,846          | 6,877          | 5,317          | 4,665          |
| TELUK EWA               | BIL / No            | 527            | 472            | 376            | 332            | 336            | 317            | 308            | 193            | 205            | 215            |
|                         | GT ( ' 000 )        | 3,078          | 2,760          | 2,553          | 2,625          | 2,276          | 2,138          | 2,295          | 1,336          | 1,661          | 1,584          |
| TANJUNG PELEPAS         | BIL / No            | 4,793          | 4,759          | 4,696          | 4,470          | 4,404          | 4,629          | 4,877          | 4,581          | 4,431          | 4,576          |
|                         | GT ( ' 000 )        | 38,344         | 38,072         | 37,568         | 35,760         | 35,232         | 37,032         | 38,944         | 36,648         | 35,448         | 36,608         |
| <b>JUMLAH<br/>Total</b> | <b>BIL / No</b>     | <b>62,653</b>  | <b>61,668</b>  | <b>60,862</b>  | <b>57,587</b>  | <b>55,684</b>  | <b>55,754</b>  | <b>47,819</b>  | <b>49,791</b>  | <b>47,512</b>  | <b>50,641</b>  |
|                         | <b>GT ( ' 000 )</b> | <b>711,145</b> | <b>714,437</b> | <b>766,368</b> | <b>778,708</b> | <b>750,978</b> | <b>758,426</b> | <b>795,098</b> | <b>795,669</b> | <b>715,049</b> | <b>697,204</b> |

SUMBER: SEMUA PELABUHAN DAN JABATAN LAUT  
*Source: All Ports and Marine Department*

JADUAL 3.7: JENIS-JENIS KAPAL YANG BERLABUH MENGIKUT PELABUHAN, MALAYSIA, 2022  
Table 3.7: Type of Ships Calling by Ports, Malaysia, 2022

| PELABUHAN<br><i>Ports</i> | PERENTAS SAMUDERA<br><i>Foreign Going</i> |                         |                                     |                                           |                                    |                                |                        | PERSISIRAN<br><i>Coastal</i> |                         |                                     |                                           |                                    |                                |                        |                                | JUMLAH<br>BESAR<br><i>Grand Total</i> |
|---------------------------|-------------------------------------------|-------------------------|-------------------------------------|-------------------------------------------|------------------------------------|--------------------------------|------------------------|------------------------------|-------------------------|-------------------------------------|-------------------------------------------|------------------------------------|--------------------------------|------------------------|--------------------------------|---------------------------------------|
|                           | KONTENA<br><i>Container</i>               |                         | KARGO<br>AM<br><i>General Cargo</i> | TANKER<br>CECAIR<br><i>Liquid Tankers</i> | PUKAL<br>KERING<br><i>Dry Bulk</i> | LAIN-<br>LAIN<br><i>Others</i> | JUMLAH<br><i>Total</i> | KONTENA<br><i>Container</i>  |                         | KARGO<br>AM<br><i>General Cargo</i> | TANKER<br>CECAIR<br><i>Liquid Tankers</i> | PUKAL<br>KERING<br><i>Dry Bulk</i> | LAIN-<br>LAIN<br><i>Others</i> | JUMLAH<br><i>Total</i> | LAIN<br>-LAIN<br><i>Others</i> |                                       |
|                           | INDUK<br><i>Main Line</i>                 | FEEDER<br><i>Feeder</i> |                                     |                                           |                                    |                                |                        | INDUK<br><i>Main Line</i>    | FEEDER<br><i>Feeder</i> |                                     |                                           |                                    |                                |                        |                                |                                       |
| KELANG                    | -                                         | 8,819                   | 842                                 | 1,559                                     | 436                                | 75                             | 11,732                 | -                            | 872                     | 211                                 | 100                                       | 28                                 | 55                             | 1,265                  | -                              | 12,997                                |
| PULAU PINANG              | 2                                         | -                       | 148                                 | 567                                       | 148                                | 858                            | 1,723                  | 904                          | 307                     | 27                                  | 107                                       | -                                  | 285                            | 1,630                  | -                              | 3,353                                 |
| JOHOR                     | -                                         | -                       | 1,302                               | 157                                       | 1,498                              | 219                            | 3,176                  | -                            | 376                     | 17                                  | 229                                       | 66                                 | -                              | 688                    | -                              | 3,864                                 |
| KUANTAN                   | 6                                         | 330                     | 214                                 | 665                                       | 393                                | 29                             | 1,637                  | -                            | 4                       | 20                                  | 303                                       | 14                                 | 42                             | 383                    | -                              | 2,020                                 |
| BINTULU                   | 137                                       | 123                     | 121                                 | 852                                       | 188                                | 189                            | 1,610                  | 1                            | 515                     | 115                                 | 492                                       | 23                                 | 4,396                          | 5,542                  | -                              | 7,152                                 |
| TANJUNG<br>BRUAS          | -                                         | 18                      | 64                                  | 12                                        | 4                                  | -                              | 98                     | -                            | -                       | 6                                   | 16                                        | -                                  | -                              | 22                     | -                              | 120                                   |
| KUCHING                   | -                                         | 119                     | 81                                  | 141                                       | 39                                 | 160                            | 540                    | -                            | 356                     | 222                                 | 87                                        | 8                                  | 155                            | 828                    | -                              | 1,368                                 |
| MIRI                      | -                                         | 1                       | 114                                 | -                                         | -                                  | -                              | 115                    | -                            | 149                     | -                                   | 3,924                                     | -                                  | -                              | 4,073                  | -                              | 4,188                                 |
| RAJANG                    | -                                         | -                       | 19                                  | -                                         | 5                                  | -                              | 24                     | 365                          | -                       | 63                                  | -                                         | -                                  | -                              | 428                    | -                              | 452                                   |
| SABAH                     | -                                         | -                       | -                                   | -                                         | -                                  | -                              | -                      | -                            | -                       | -                                   | -                                         | -                                  | -                              | -                      | 9,283                          | 9,283                                 |
| PORT DICKSON              | -                                         | -                       | 71                                  | 273                                       | -                                  | -                              | 344                    | -                            | -                       | -                                   | 211                                       | -                                  | 7                              | 218                    | -                              | 562                                   |
| KEMAMAN                   | -                                         | -                       | 39                                  | 249                                       | 89                                 | -                              | 377                    | -                            | -                       | 2                                   | 98                                        | 14                                 | -                              | 114                    | -                              | 491                                   |
| TELOK EWA                 | -                                         | -                       | -                                   | 27                                        | 61                                 | 9                              | 97                     | -                            | -                       | -                                   | 16                                        | 48                                 | 46                             | 110                    | 8                              | 215                                   |
| TANJUNG<br>PELEPAS        | 1,544                                     | 2,813                   | -                                   | -                                         | -                                  | -                              | 4,357                  | -                            | 219                     | -                                   | -                                         | -                                  | -                              | 219                    | -                              | 4,576                                 |
| JUMLAH<br><i>Total</i>    | 1,689                                     | 12,223                  | 3,015                               | 4,502                                     | 2,861                              | 1,539                          | 25,830                 | 1,270                        | 2,798                   | 683                                 | 5,583                                     | 201                                | 4,986                          | 15,520                 | 9,291                          | 50,641                                |

SUMBER: SEMUA PELABUHAN DAN JABATAN LAUT  
Source: All Ports and Marine Department

JADUAL 3.8: BILANGAN KAPAL-KAPAL YANG DIDAFTARKAN DI MALAYSIA MENGIKUT JENIS (PENGELASAN BARU) DAN BERAT, MALAYSIA, 2018-2022  
 Table 3.8: Number of Ships Registered in Malaysia by Type (New Classification) and Weight, Malaysia, 2018-2022

| JENIS KAPAL<br><i>Type of Ship</i>                                             | 2018       |                |                | 2019       |                |                | 2020       |                |                | 2021       |                |                | 2022       |                |                |
|--------------------------------------------------------------------------------|------------|----------------|----------------|------------|----------------|----------------|------------|----------------|----------------|------------|----------------|----------------|------------|----------------|----------------|
|                                                                                | BIL        | GT             | NT             | BIL        | GT             | NT             | BIL        | GT             | NT             | BIL        | GT             | NT             | BIL        | GT             | NT             |
|                                                                                | <i>No.</i> | <i>(' 000)</i> | <i>(' 000)</i> | <i>No.</i> | <i>(' 000)</i> | <i>(' 000)</i> | <i>No.</i> | <i>(' 000)</i> | <i>(' 000)</i> | <i>No.</i> | <i>(' 000)</i> | <i>(' 000)</i> | <i>No.</i> | <i>(' 000)</i> | <i>(' 000)</i> |
| TANGKI MINYAK<br><i>Oil Tanker</i>                                             | 10         | 17             | 8              | 24         | 147            | 72             | 12         | 57             | 24             | 19         | 168            | 83             | 13         | 30             | 15             |
| KAPAL LNG, LPG<br><i>LNG, LPG Carrier</i>                                      | 1          | 134            | 40             | -          | -              | -              | -          | -              | -              | 1          | 3              | 1              | -          | -              | -              |
| TANGKI KIMIA, PETROLEUM<br><i>Chemical, Petroleum Tanker</i>                   | -          | -              | -              | 4          | 20             | 9              | -          | -              | -              | -          | -              | -              | -          | -              | -              |
| KAPAL PUKAL, BIJIH, KAYU BALAK<br><i>Bulk, Grain, Ore, Log Carrier</i>         | 1          | 47             | 28             | 6          | 12             | 6              | 5          | 6              | 3              | 1          | 5              | 2              | -          | -              | -              |
| KARGO AM, SEPARA KONTENA<br><i>General Cargo, Semi Container</i>               | 3          | 3              | 2              | 10         | 11             | 5              | 11         | 7              | 3              | 1          | 0              | 0              | 1          | 0              | 0              |
| KAPAL PENUMPANG, AM,<br>PENUMPANG<br><i>Passenger, General, Passenger Ship</i> | 10         | 4              | 2              | 8          | 5              | 2              | 8          | 51             | 15             | 10         | 11             | 3              | 3          | 1              | 0              |
| RO-RO                                                                          | 1          | 44             | 13             | -          | -              | -              | 1          | 0              | 0              | 2          | 92             | 28             | 1          | 0              | 0              |
| KONTENA PENUH<br><i>Full Container</i>                                         | 4          | 47             | 22             | 9          | 98             | 47             | 3          | 23             | 7              | 6          | 87             | 36             | 2          | 13             | 6              |
| OFFSHORE SUPPORT VESSEL                                                        | 18         | 33             | 10             | 24         | 47             | 14             | 12         | 16             | 12             | 12         | 19             | 6              | 4          | 4              | 1              |
| TONGKANG<br><i>Barge</i>                                                       | 49         | 80             | 25             | 42         | 61             | 18             | 27         | 51             | 15             | 14         | 19             | 6              | 10         | 18             | 5              |
| LAIN-LAIN<br><i>Others</i>                                                     | 97         | 122            | 50             | 79         | 266            | 80             | 72         | 74             | 23             | 49         | 47             | 14             | 41         | 20             | 6              |
| <b>JUMLAH<br/>Total</b>                                                        | <b>194</b> | <b>531</b>     | <b>200</b>     | <b>206</b> | <b>666</b>     | <b>252</b>     | <b>151</b> | <b>285</b>     | <b>103</b>     | <b>115</b> | <b>452</b>     | <b>180</b>     | <b>75</b>  | <b>86</b>      | <b>35</b>      |

SUMBER: JABATAN LAUT MALAYSIA  
 Source: Marine Department Malaysia

JADUAL 3.9: JUMLAH KESELURUHAN KAPAL-KAPAL YANG DIDAFTARKAN DI MALAYSIA MENGIKUT JENIS (PENGELASAN BARU) DAN BERAT, MALAYSIA, 2018-2022

Table 3.9: Total of Ships Registered in Malaysia by Type (New Classification) and Weight, Malaysia, 2018-2022

| JENIS KAPAL<br>Type of Ship                                             | 2018         |               |              | 2019         |               |              | 2020         |               |              | 2021         |               |              | 2022         |               |              |
|-------------------------------------------------------------------------|--------------|---------------|--------------|--------------|---------------|--------------|--------------|---------------|--------------|--------------|---------------|--------------|--------------|---------------|--------------|
|                                                                         | BIL          | GT            | NT           | BIL          | GT            | NT           | BIL          | GT            | NT           | BIL          | GT            | NT           | BIL          | GT            | NT           |
|                                                                         | No.          | (' 000)       | (' 000)      | No.          | (' 000)       | (' 000)      | No.          | (' 000)       | (' 000)      | No.          | (' 000)       | (' 000)      | No.          | (' 000)       | (' 000)      |
| TANGKI MINYAK<br>Oil Tanker                                             | 261          | 1,827         | 1,044        | 280          | 1,799         | 1,006        | 287          | 1,477         | 795          | 283          | 1,257         | 662          | 281          | 1,112         | 590          |
| KAPAL LNG, LPG<br>LNG, LPG Carrier                                      | 39           | 2,762         | 835          | 39           | 2,762         | 835          | 39           | 2,762         | 835          | 38           | 2,676         | 809          | 34           | 2,577         | 778          |
| TANGKI KIMIA, PETROLEUM<br>Chemical, Petroleum Tanker                   | 41           | 357           | 144          | 39           | 195           | 86           | 39           | 195           | 86           | 31           | 141           | 60           | 29           | 126           | 52           |
| KAPAL PUKAL, BIJIH, KAYU BALAK<br>Bulk, Grain, Ore, Log Carrier         | 18           | 517           | 318          | 23           | 481           | 297          | 28           | 487           | 300          | 29           | 491           | 301          | 26           | 461           | 285          |
| KARGO AM, SEPARA KONTENA<br>General Cargo, Semi Container               | 472          | 519           | 277          | 468          | 519           | 276          | 476          | 517           | 275          | 470          | 500           | 267          | 469          | 488           | 260          |
| KAPAL PENUMPANG, AM,<br>PENUMPANG<br>Passenger, General, Passenger Ship | 357          | 79            | 30           | 362          | 76            | 28           | 367          | 126           | 43           | 370          | 134           | 45           | 373          | 135           | 45           |
| RO-RO                                                                   | 10           | 162           | 49           | 10           | 162           | 49           | 11           | 162           | 50           | 13           | 254           | 77           | 14           | 254           | 77           |
| KONTENA PENUH<br>Full Container                                         | 25           | 234           | 112          | 33           | 328           | 157          | 36           | 351           | 164          | 40           | 420           | 191          | 41           | 414           | 187          |
| OFFSHORE SUPPORT VESSEL                                                 | 309          | 380           | 117          | 325          | 415           | 128          | 331          | 424           | 131          | 319          | 403           | 124          | 303          | 381           | 117          |
| TONGKANG<br>Barge                                                       | 1,518        | 1,619         | 553          | 1,550        | 1,648         | 563          | 1,572        | 1,687         | 574          | 1,559        | 1,659         | 567          | 1,456        | 1,604         | 547          |
| LAIN-LAIN<br>Others                                                     | 2,508        | 3,522         | 1,345        | 2,497        | 3,582         | 1,338        | 2,542        | 3,647         | 1,369        | 2,522        | 3,600         | 1,363        | 2,577        | 3,537         | 1,346        |
| <b>JUMLAH<br/>Total</b>                                                 | <b>5,558</b> | <b>11,978</b> | <b>4,824</b> | <b>5,626</b> | <b>11,967</b> | <b>4,762</b> | <b>5,728</b> | <b>11,836</b> | <b>4,622</b> | <b>5,674</b> | <b>11,534</b> | <b>4,466</b> | <b>5,603</b> | <b>11,089</b> | <b>4,284</b> |

SUMBER: JABATAN LAUT MALAYSIA

Source: Marine Department Malaysia

JADUAL 3.10: JUMLAH LESEN PERKAPALAN YANG DIKELUARKAN MENGIKUT JENIS KARGO DAN PENDAFTARAN OLEH LEMBAGA PERLESENAN PERKAPALAN DALAM NEGERI (LPPDN), 2018-2022

Table 3.10: Total Number of Licenses Issued by Type of Cargo and Registration by Domestic Shipping Licensing Board (DSLBB), 2018-2022

| JENIS KARGO<br><i>Type of Cargo</i>                            | 2018                                                    |                                                   | 2019                                                    |                                                   | 2020                                                    |                                                   | 2021                                                    |                                                   | 2022                                                    |                                                   |
|----------------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------|---------------------------------------------------------|---------------------------------------------------|---------------------------------------------------------|---------------------------------------------------|---------------------------------------------------------|---------------------------------------------------|---------------------------------------------------------|---------------------------------------------------|
|                                                                | DAFTARAN<br>MALAYSIA<br><i>Malaysian<br/>Registered</i> | DAFTARAN<br>ASING<br>Foreign<br><i>Registered</i> | DAFTARAN<br>MALAYSIA<br><i>Malaysian<br/>Registered</i> | DAFTARAN<br>ASING<br>Foreign<br><i>Registered</i> | DAFTARAN<br>MALAYSIA<br><i>Malaysian<br/>Registered</i> | DAFTARAN<br>ASING<br>Foreign<br><i>Registered</i> | DAFTARAN<br>MALAYSIA<br><i>Malaysian<br/>Registered</i> | DAFTARAN<br>ASING<br>Foreign<br><i>Registered</i> | DAFTARAN<br>MALAYSIA<br><i>Malaysian<br/>Registered</i> | DAFTARAN<br>ASING<br>Foreign<br><i>Registered</i> |
| KARGO KERING<br><i>Dry Bulk</i>                                | 188                                                     | 5                                                 | 169                                                     | 11                                                | 210                                                     | 78                                                | 213                                                     | 63                                                | 191                                                     | 24                                                |
| KELAPA SAWIT<br><i>Palm Oil</i>                                | 27                                                      | 9                                                 | 22                                                      | 6                                                 | 3                                                       | 4                                                 | 6                                                       | 1                                                 | 8                                                       | 7                                                 |
| PETROLUEM, DIESEL<br><i>Petroleum, Diesel</i>                  | 217                                                     | 691                                               | 225                                                     | 638                                               | 205                                                     | 482                                               | 188                                                     | 455                                               | 176                                                     | 473                                               |
| PENUMPANG<br><i>Passenger</i>                                  | 149                                                     | 28                                                | 138                                                     | 35                                                | 137                                                     | 26                                                | 136                                                     | 8                                                 | 116                                                     | 5                                                 |
| KONTENA<br><i>Container</i>                                    | 36                                                      | 15                                                | 32                                                      | 11                                                | 59                                                      | 9                                                 | 79                                                      | 7                                                 | 68                                                      | 13                                                |
| KIMIA<br><i>Chemical</i>                                       | 13                                                      | 90                                                | 2                                                       | 5                                                 | 0                                                       | 0                                                 | 0                                                       | 0                                                 | 0                                                       | 0                                                 |
| KHIDMAT TUNDA<br><i>Towing Services</i>                        | 750                                                     | 350                                               | 715                                                     | 207                                               | 629                                                     | 51                                                | 582                                                     | 53                                                | 572                                                     | 48                                                |
| PERALATAN KERJA CARI GALI<br><i>Exploration Work Equipment</i> | 135                                                     | 130                                               | 119                                                     | 202                                               | 53                                                      | 52                                                | 53                                                      | 34                                                | 60                                                      | 59                                                |
| KENDERAAN, RO-RO<br><i>Vehicle, Ro-ro</i>                      | 9                                                       | 3                                                 | 9                                                       | 0                                                 | 14                                                      | 0                                                 | 13                                                      | 0                                                 | 14                                                      | 0                                                 |
| BAHAN BINAAN<br><i>Construction Material</i>                   | 44                                                      | 150                                               | 40                                                      | 80                                                | 12                                                      | 116                                               | 15                                                      | 66                                                | 21                                                      | 38                                                |
| KAYU BALAK<br><i>Log Wood</i>                                  | 142                                                     | 0                                                 | 122                                                     | 0                                                 | 29                                                      | 0                                                 | 23                                                      | 0                                                 | 16                                                      | 0                                                 |
| SIMEN KLINKER<br><i>Clinker Cement</i>                         | 0                                                       | 7                                                 | 0                                                       | 4                                                 | 0                                                       | 0                                                 | 0                                                       | 0                                                 | 0                                                       | 1                                                 |
| LAIN-LAIN<br><i>Others</i>                                     | 1,018                                                   | 659                                               | 1,064                                                   | 519                                               | 1,033                                                   | 750                                               | 1,026                                                   | 625                                               | 412                                                     | 446                                               |
| <b>JUMLAH</b><br><i>Total</i>                                  | <b>2,728</b>                                            | <b>2,137</b>                                      | <b>2,657</b>                                            | <b>1,718</b>                                      | <b>2,384</b>                                            | <b>1,568</b>                                      | <b>2,334</b>                                            | <b>1,312</b>                                      | <b>1,654</b>                                            | <b>1,114</b>                                      |

SUMBER: LEMBAGA PERLESENAN PERKAPALAN DALAM NEGERI (LPPDN), KEMENTERIAN PENGANGKUTAN

Source: Domestic Shipping Licensing Board (DSLBB), Ministry of Transport

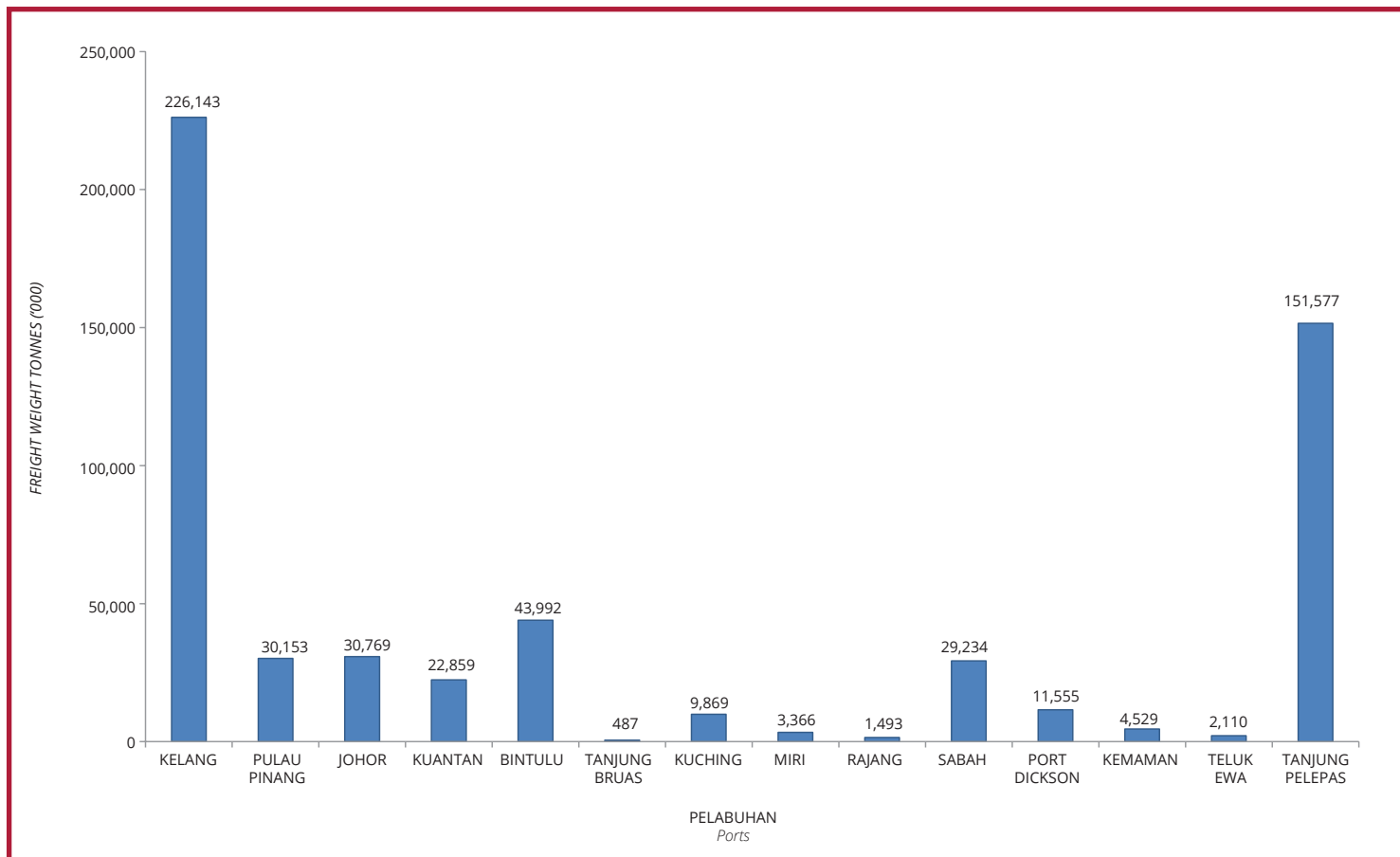
JADUAL 3.11: JUMLAH LESEN PERKAPALAN YANG DIKELUARKAN MENGIKUT JENIS LESEN DAN PENDAFTARAN OLEH LEMBAGA PERLESENAN PERKAPALAN PERKAPALAN DALAM NEGERI (LPPDN), 2018-2022

Table 3.11: Total Number of Licenses Issued by Type of License and Registration by Domestic Shipping Licensing Board (DSLБ), 2018-2022

| JENIS LESEN<br><i>Type of Licenses</i> | 2018                                                    |                                                   | 2019                                                    |                                                   | 2020                                                    |                                                   | 2021                                                    |                                                   | 2022                                                    |                                                   |
|----------------------------------------|---------------------------------------------------------|---------------------------------------------------|---------------------------------------------------------|---------------------------------------------------|---------------------------------------------------------|---------------------------------------------------|---------------------------------------------------------|---------------------------------------------------|---------------------------------------------------------|---------------------------------------------------|
|                                        | DAFTARAN<br>MALAYSIA<br><i>Malaysian<br/>Registered</i> | DAFTARAN<br>ASING<br>Foreign<br><i>Registered</i> | DAFTARAN<br>MALAYSIA<br><i>Malaysian<br/>Registered</i> | DAFTARAN<br>ASING<br>Foreign<br><i>Registered</i> | DAFTARAN<br>MALAYSIA<br><i>Malaysian<br/>Registered</i> | DAFTARAN<br>ASING<br>Foreign<br><i>Registered</i> | DAFTARAN<br>MALAYSIA<br><i>Malaysian<br/>Registered</i> | DAFTARAN<br>ASING<br>Foreign<br><i>Registered</i> | DAFTARAN<br>MALAYSIA<br><i>Malaysian<br/>Registered</i> | DAFTARAN<br>ASING<br>Foreign<br><i>Registered</i> |
| SEMENTARA<br><i>Temporary</i>          | 191                                                     | 2,137                                             | 186                                                     | 1,718                                             | 119                                                     | 1,568                                             | 91                                                      | 1,312                                             | 0                                                       | 1,447                                             |
| BERSYARAT<br><i>Conditional</i>        | 2,290                                                   | 0                                                 | 2,251                                                   | 0                                                 | 2,012                                                   | 0                                                 | 1,975                                                   | 0                                                 | 2,009                                                   | 0                                                 |
| TANPA SYARAT<br><i>Unconditional</i>   | 247                                                     | 0                                                 | 220                                                     | 0                                                 | 253                                                     | 0                                                 | 268                                                     | 0                                                 | 272                                                     | 0                                                 |
| <b>JUMLAH<br/><i>Total</i></b>         | <b>2,728</b>                                            | <b>2,137</b>                                      | <b>2,657</b>                                            | <b>1,718</b>                                      | <b>2,384</b>                                            | <b>1,568</b>                                      | <b>2,334</b>                                            | <b>1,312</b>                                      | <b>2,281</b>                                            | <b>1,447</b>                                      |

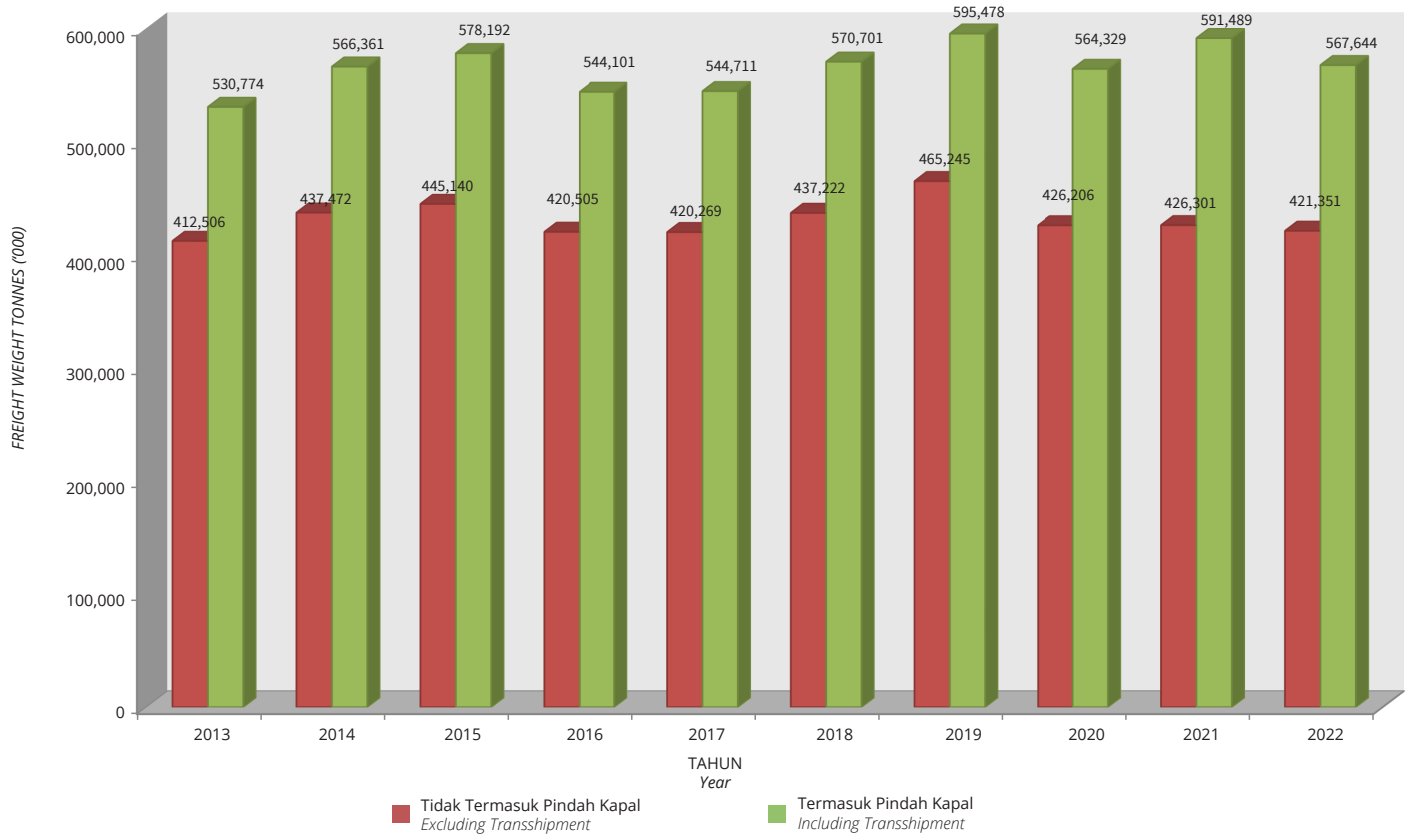
SUMBER: LEMBAGA PERLESENAN PERKAPALAN DALAM NEGERI (LPPDN), KEMENTERIAN PENGANGKUTAN  
Source: Domestic Shipping Licensing Board (DSLБ), Ministry of Transport

CARTA 3.1: JUMLAH KARGO YANG DIKENDALIKAN MENGIKUT PELABUHAN, MALAYSIA, 2022  
*Chart 3.1: Total Cargo Throughput by Ports, Malaysia, 2022*



CARTA 3.2: JUMLAH KARGO YANG DIKENDALIKAN MENGIKUT TAHUN, MALAYSIA, 2013-2022

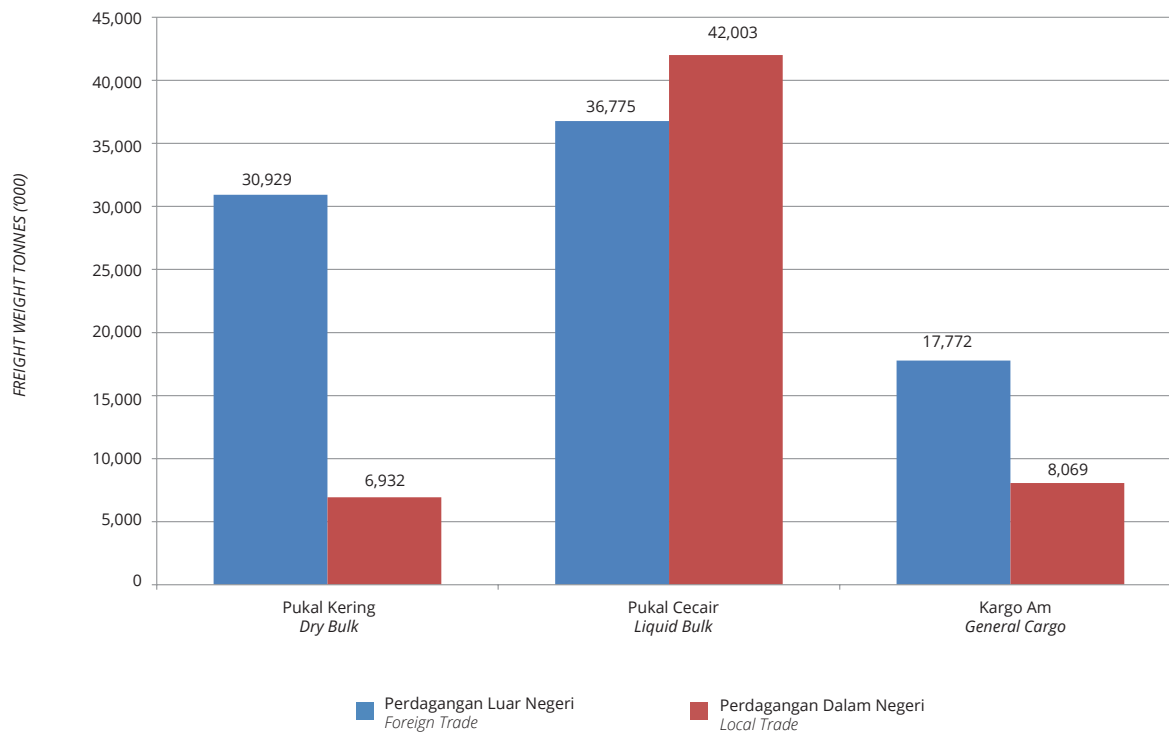
Chart 3.2: Total Cargo Throughput by Years, Malaysia, 2013-2022



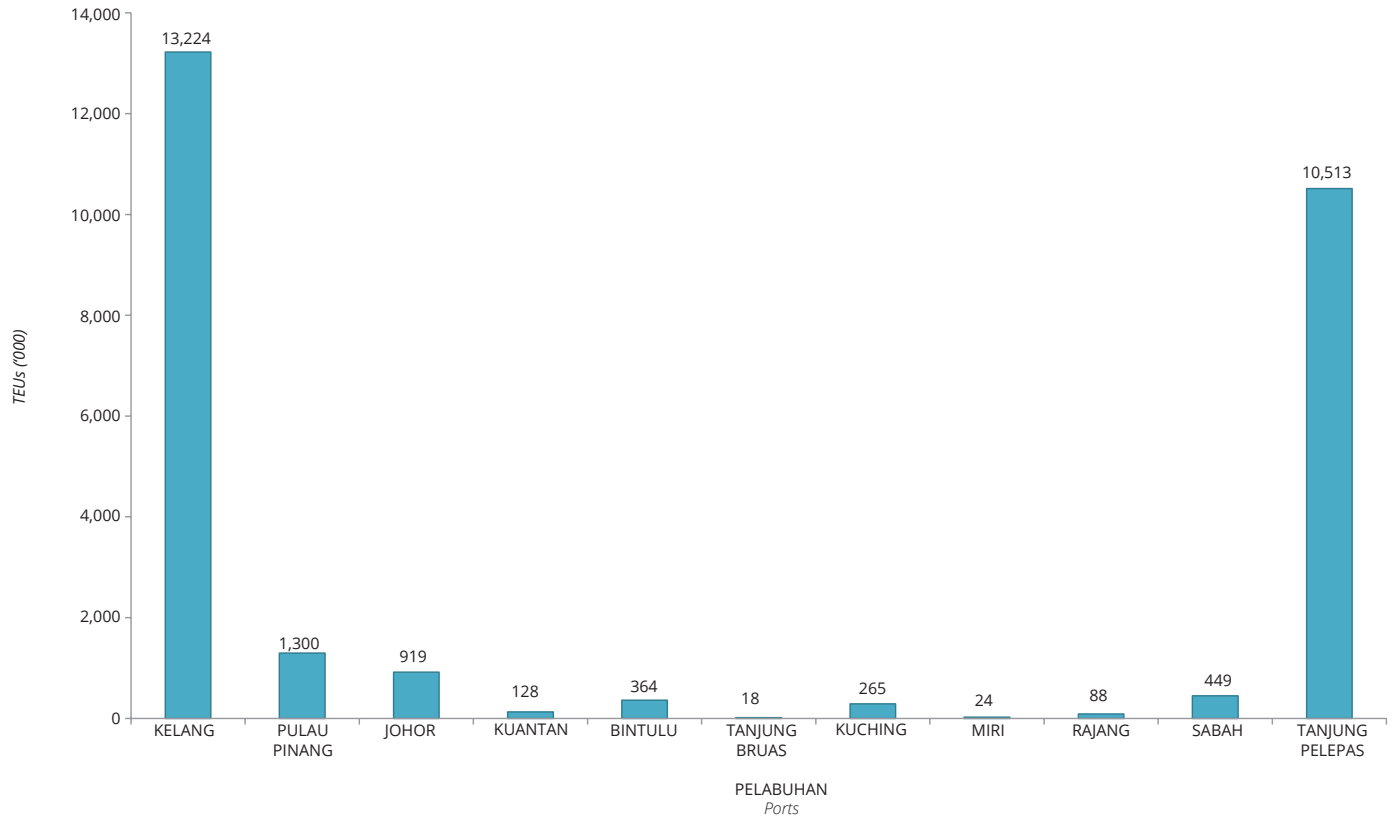
CARTA 3.3: JUMLAH KARGO YANG DIKENDALIKAN MENGIKUT EKSPORT, IMPORT DAN PINDAH KAPAL DI PELABUHAN, MALAYSIA, 2013-2022

*Chart 3.3: Total Cargo Throughput by Export, Import and Transshipment at Ports, Malaysia, 2013-2022*

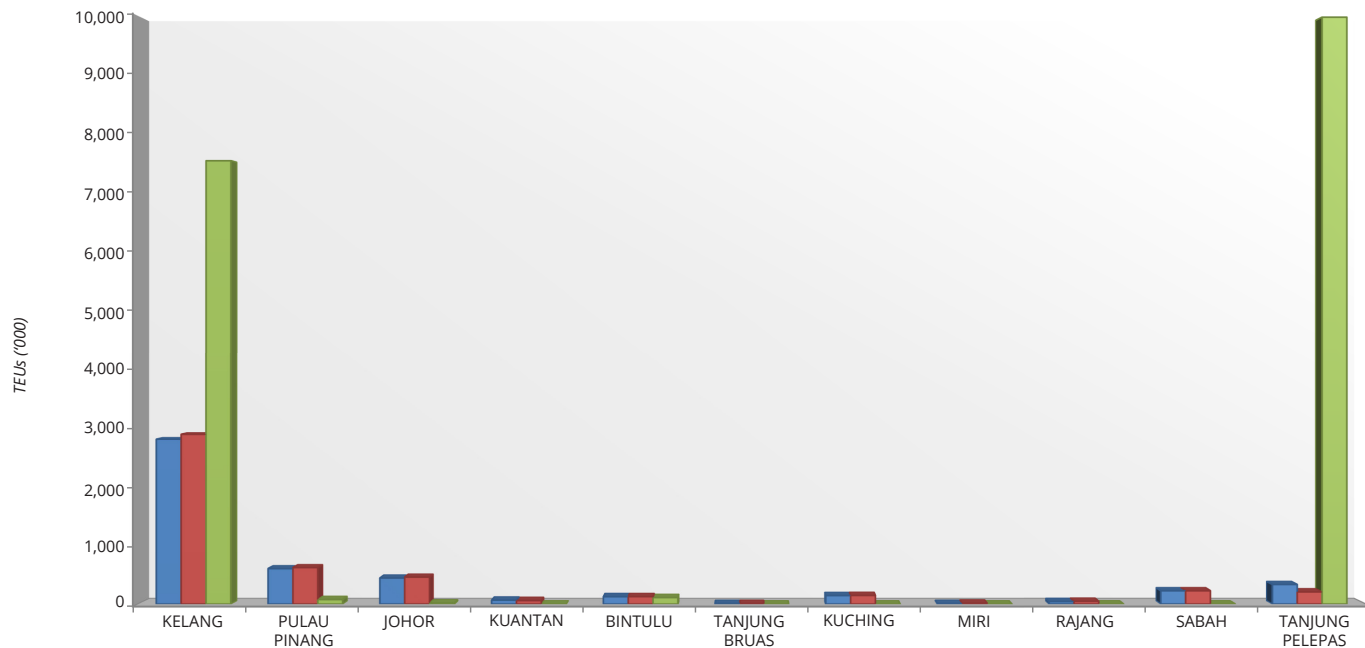
CARTA 3.4: PENGENDALIAN KARGO UNTUK PERDAGANGAN DALAM NEGERI DAN LUAR NEGERI, 2022  
 Chart 3.4: Cargo Handling for Local and Foreign Trade, 2022



CARTA 3.5: JUMLAH KONTENA YANG DIKENDALIKAN MENGIKUT PELABUHAN, MALAYSIA, 2022

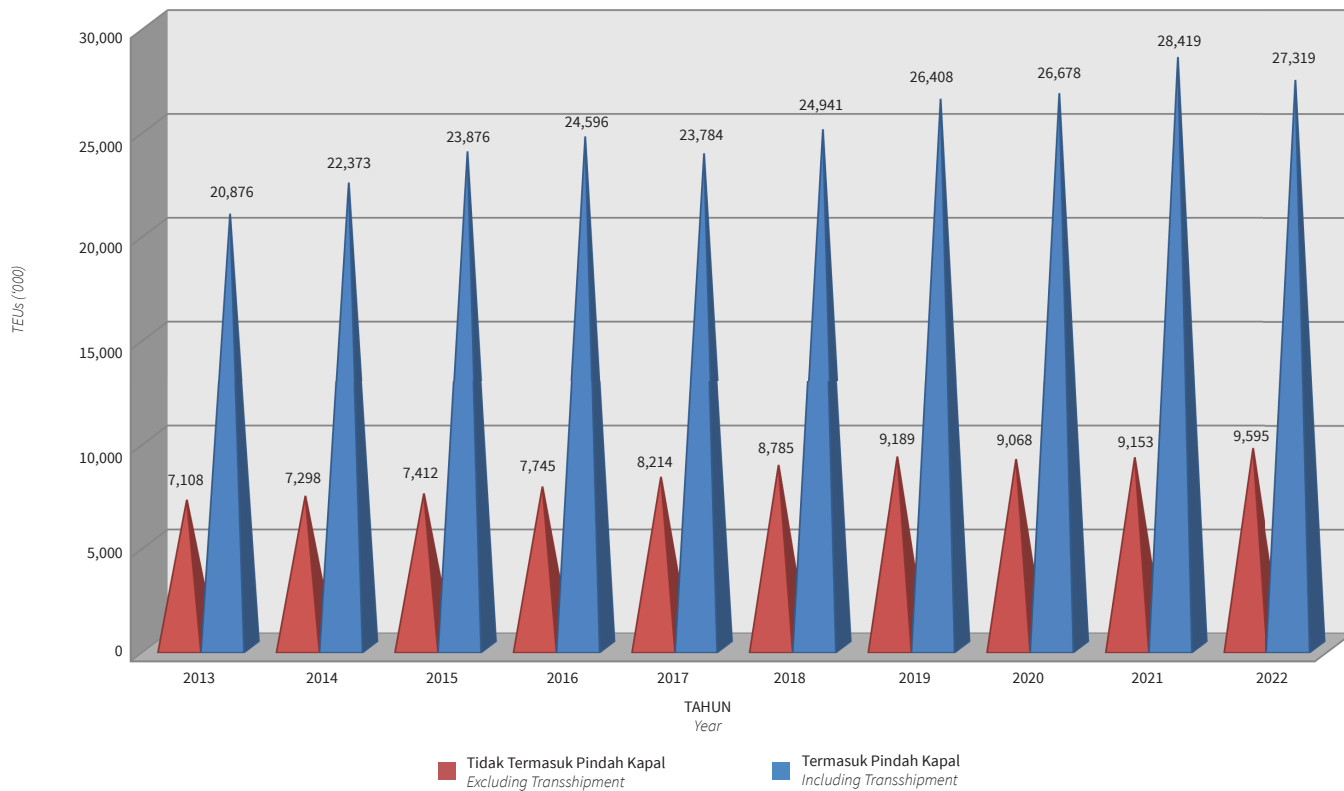
*Chart 3.5: Total Container Throughput by Ports, Malaysia, 2022*

CARTA 3.6: JUMLAH KONTENA YANG DIKENDALIKAN MENGIKUT EKSPORT, IMPORT DAN PINDAH KAPAL DI PELABUHAN, MALAYSIA, 2022  
 Chart 3.6: Total Container Throughput by Export, Import and Transshipment at Ports, Malaysia, 2022



|               | KELANG    | PULAU PINANG | JOHOR   | KUANTAN | BINTULU | TANJUNG BRUAS | KUCHING | MIRI   | RAJANG | SABAH   | TANJUNG PELEPAS |
|---------------|-----------|--------------|---------|---------|---------|---------------|---------|--------|--------|---------|-----------------|
| EXPORT        | 2,799,443 | 602,315      | 442,038 | 67,368  | 126,322 | 8,853         | 144,602 | 9,051  | 41,820 | 224,520 | 331,736         |
| IMPORT        | 2,883,037 | 620,267      | 458,112 | 60,481  | 126,695 | 8,926         | 147,137 | 15,128 | 46,080 | 224,905 | 206,261         |
| TRANSSHIPMENT | 7,541,448 | 77,358       | 18,448  | 238     | 111,152 | -             | 123     | -      | -      | 60      | 9,974,809       |

CARTA 3.7: JUMLAH KONTENA YANG DIKENDALIKAN MENGIKUT TAHUN, MALAYSIA, 2013-2022  
*Chart 3.7: Total Container Throughput by Years, Malaysia, 2013-2022*





# **PENGANGKUTAN UDARA**

*Air Transport*

JADUAL 4.1: KEMUDAHAN LAPANGAN TERBANG ANTARABANGSA, MALAYSIA, 2022

Table 4.1: International Airport Facilities, Malaysia, 2022

| LAPANGAN TERBANG<br><i>Airport</i> | KATEGORI PERKHIDMATAN BOMBA & PENYELAMAT<br><i>Airport Fire &amp; Rescue Services Category (AFRS)</i> | PANJANG/ LEBAR LANDASAN<br><i>Runway Length/ Width (m)</i>  | KEUPAYAAN LANDASAN<br><i>Load Classification Number</i> | WAKTU BEROPERASI<br><i>Hours of Operation</i> | PENDARATAN PESAWAT TERBESAR<br><i>Biggest Aircraft Landed</i>                                                                                                                                 | SISTEM PERHUBUNGAN & PEMALIMAN UDARA<br><i>Radio &amp; Air Navigational Aids</i> |
|------------------------------------|-------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|---------------------------------------------------------|-----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
| KLIA TERMINAL 1<br>KLIA TERMINAL 2 | CAT 10                                                                                                | RWY 1 : 4019 x 60<br>RWY 2 : 4000 x 60<br>RWY 3 : 3960 x 60 | PCN 100 F/C/W/T                                         | 24 hours                                      | <b>Scheduled Aircraft</b><br>RWY 1 : Code F Aircraft (A380)<br>RWY 2 : Code F Aircraft (A380)<br>RWY 3 : Code E Aircraft (A330) and provision Code F Aircraft (A380)<br><b>Cargo</b><br>AN225 | RWY 1 (ILS CAT 2)<br>RWY 2 (ILS CAT 2)<br>RWY 3 (ILS CAT 1)                      |
| JOHOR                              | CAT 8                                                                                                 | 3,800 x 45                                                  | PCN 70 F/C/X/T                                          | 2200 UTC - 1600 UTC                           | AN 124-100 / A380                                                                                                                                                                             | Rwy 16 ( CAT 1 ) ILS/LOC,<br>GP/DME,NDB,VOR/DME<br>Rwy 34 Simple App             |
| PULAU PINANG                       | CAT 9                                                                                                 | 3354 x 46                                                   | PCN 93/F/A/W/T                                          | 24 hours                                      | <b>Scheduled Aircraft</b><br>Code E Aircraft (A330 & B787)<br><b>Cargo</b><br>Code E Aircraft (B747-400)                                                                                      | ILS<br>GP/DME<br>DVOR/DME                                                        |
| LANGKAWI                           | CAT 9                                                                                                 | 3813 x 45                                                   | PCN 89 F/A/W/T                                          | 2200 - 1500 UTC<br>Daily                      | <b>Scheduled Aircraft</b><br>Code E Aircraft (A330 & B787)                                                                                                                                    | ILS/LOC<br>GP/DME<br>DVOR/DME                                                    |
| KUCHING                            | CAT 9                                                                                                 | 3780 x 46                                                   | PCN 100/F/A/W/T                                         | 24 hours                                      | <b>Scheduled Aircraft</b><br>Code C Aircraft (B738/ A320)<br><b>Cargo</b><br>Code C Aircraft (B737-400)                                                                                       | ILS/LOC<br>GP/DME<br>DVOR/DME                                                    |
| KOTA KINABALU                      | CAT 9                                                                                                 | 3780 x 45                                                   | PCN 86/F/C/X/T                                          | 24 hours                                      | <b>Scheduled Aircraft</b><br>Code E Aircraft (B747)<br><b>Cargo</b><br>Code E Aircraft (B747)                                                                                                 | RWY 02<br>ILS/LOC<br>GP/DME<br><br>RWY 20<br>ILS/LOC<br>GP/DME<br><br>VOR/DME    |

SUMBER Source: MALAYSIA AIRPORTS HOLDINGS BERHAD (MAHB), SENAI AIRPORT TERMINAL SERVICES SDN BHD (SATS)

JADUAL 4.2: KEMUDAHAN LAPANGAN TERBANG DALAM NEGERI, MALAYSIA, 2022

Table 4.2: Domestic Airport Facilities, Malaysia, 2022

| LAPANGAN TERBANG<br><i>Airport</i> | KATEGORI PERKHIDMATAN BOMBA & PENYELAMAT<br><i>Airport Fire &amp; Rescue Services Category (AFRS)</i> | PANJANG/LEBAR LANDASAN<br><i>Runway Length/Width (m)</i> | KEUPAYAAN LANDASAN<br><i>Load Classification Number</i> | WAKTU BEROPERASI<br><i>Hours of Operation</i>                                                                                                                                                                                                                                                                                                                                   | PENDARATAN PESAWAT TERBESAR<br><i>Biggest Aircraft Landed</i>                                                               | SISTEM PERHUBUNGAN & PEMALIMAN UDARA<br><i>Radio &amp; Air Navigational Aids</i> |
|------------------------------------|-------------------------------------------------------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
| ALOR SETAR                         | CAT 7                                                                                                 | 2745 x 45                                                | PCN 96/F/C/X/T                                          | 2230 - 1430 UTC Daily                                                                                                                                                                                                                                                                                                                                                           | <b>Scheduled Aircraft</b><br>Code E Aircraft (A330)<br><b>Cargo</b><br>Code C Aircraft (B737)                               | ILS/LOC, GP/DME, DVOR/DME                                                        |
| KOTA BHARU                         | CAT 7                                                                                                 | 2400 x 45                                                | PCN 51/F/A/W/T                                          | 2200 - 1530 UTC Daily                                                                                                                                                                                                                                                                                                                                                           | <b>Scheduled Aircraft</b><br>Code C Aircraft (B738 & A320)                                                                  | VOR/DME, LOC, GP/ DME                                                            |
| KUANTAN                            | CAT 8                                                                                                 | 2743 x 45                                                | PCN 50/F/A/W/T                                          | a) Mon - Fri: 0001 - 0830 UTC<br>b) Military Flying Operation<br><br>i) Mon - Fri : 0001 - 0900 UTC<br>ii) Friday closed btn 0500 - 0600 UTC<br>iii) Sat, Sun and Public Holiday : 48 hour PPR<br>iv) Night Flying will be carried out on any day of the week. For Thursday night, the night flying shall commence after 1300 UTC with special authorisation by Base Commander. | <b>Scheduled Aircraft</b><br>Code C Aircraft (B738 & A320)<br><b>Cargo</b><br>Code D Aircraft (IL76) by Malaysian Air Force | ILS/LOC, GP/DME, DVOR/TACAN                                                      |
| IPOH                               | CAT 7                                                                                                 | 2000 x 45                                                | PCN 77/F/A/W/T                                          | 2300 - 1000 UTC Daily                                                                                                                                                                                                                                                                                                                                                           | <b>Scheduled Aircraft</b><br>Code C Aircraft (B738 & A320)                                                                  | ILS/LOC, GP/DME, VOR/DME                                                         |
| MELAKA                             | CAT 7                                                                                                 | 2135 x 45                                                | PCN 47/F/D/X/T                                          | 0100 - 0900 UTC Daily                                                                                                                                                                                                                                                                                                                                                           | <b>Scheduled Aircraft</b><br>Code C Aircraft (B738 & A320)                                                                  | DVOR/DME, ILS/LOC, GP/DME                                                        |
| KUALA TERENGGANU                   | CAT 7                                                                                                 | 3480 x 45                                                | PCN 81/F/B/W/T                                          | 0000 - 1200 UTC Daily                                                                                                                                                                                                                                                                                                                                                           | <b>Scheduled Aircraft</b><br>Code C Aircraft (A321 NEO)<br><b>Cargo</b><br>NIL                                              | ILS/LOC, GP/DME, VOR/DME                                                         |
| SUBANG                             | CAT 7                                                                                                 | 3782 x 45                                                | PCN 87/F/B/W/T                                          | 24 hours                                                                                                                                                                                                                                                                                                                                                                        | <b>Scheduled Aircraft</b><br>Code C Aircraft ATR 72<br><b>Cargo</b><br>Code E Aircraft (B747-400)                           | ILS/LOC, GP/DME. NDB, DVOR/DME                                                   |
| BINTULU                            | CAT 7                                                                                                 | 2745 x 45                                                | PCN 100/F/A/W/T                                         | 2200 - 1300 UTC Daily                                                                                                                                                                                                                                                                                                                                                           | <b>Scheduled Aircraft</b><br>Code C Aircraft (A320)<br><b>Cargo</b><br>Code E Aircraft (B747-200)                           | ILS/LOC, GP/DME, DVOR/DME                                                        |

SUMBER *Source*: MALAYSIA AIRPORTS HOLDINGS BERHAD (MAHB)

JADUAL 4.2: KEMUDAHAN LAPANGAN TERBANG DALAM NEGERI, MALAYSIA, 2022 (SAMB)  
 Table 4.2: Domestic Airport Facilities, Malaysia, 2022(Cont'd)

| LAPANGAN TERBANG<br><i>Airport</i> | KATEGORI PERKHIDMATAN BOMBA & PENYELAMAT<br><i>Airport Fire &amp; Rescue Services Category (AFRS)</i> | PANJANG/LEBAR LANDASAN<br><i>Runway Length/Width (m)</i> | KEUPAYAAN LANDASAN<br><i>Load Classification Number</i> | WAKTU BEROPERASI<br><i>Hours of Operation</i> | PENDARATAN PESAWAT TERBESAR<br><i>Biggest Aircraft Landed</i>                                         | SISTEM PERHUBUNGAN & PEMALIMAN UDARA<br><i>Radio &amp; Air Navigational Aids</i> |
|------------------------------------|-------------------------------------------------------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------|-----------------------------------------------|-------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
| MIRI                               | CAT 7                                                                                                 | 2745 x 60                                                | PCN 79/F/C/X/T                                          | 2200 - 1530 UTC Daily                         | <b>Scheduled Aircraft</b><br>Code C Aircraft (A321 Neo)<br><b>Cargo</b><br>Code E Aircraft (737-400)  | ILS/LOC, GP/DME, DVOR/DME                                                        |
| SIBU                               | CAT 7                                                                                                 | 2745 x 45                                                | PCN 61/F/C/X/T                                          | 2200 - 1400 UTC Daily                         | <b>Scheduled Aircraft</b><br>Code C Aircraft (A321 Neo)<br><b>Cargo</b><br>NIL                        | ILS/LOC, GP/DME, DVOR/DME                                                        |
| LAHAD DATU                         | CAT 5                                                                                                 | 1380 x 30                                                | PCN 17/ F/ B/W/U                                        | 0000 - 0900 UTC Daily                         | <b>Scheduled Aircraft</b><br>Code 3C Aircraft (ATR72)                                                 | L                                                                                |
| LABUAN                             | CAT 8                                                                                                 | 2745 x 45                                                | PCN 79/F/C/X/T                                          | 2300 - 1230 UTC Daily                         | <b>Scheduled Aircraft</b><br>Code C Aircraft (A321 Neo)<br><b>Cargo</b><br>Code E Aircraft (737-400)  | ILS/LOC, GP/DME,NDB, DVOR/DME                                                    |
| SANDAKAN                           | CAT 7                                                                                                 | 2500 x 45                                                | PCN 88/R/C/W/T                                          | 2300 - 1400 UTC Daily                         | <b>Scheduled Aircraft</b><br>Code C Aircraft (A320 Neo /B738)<br><b>Cargo</b><br>NIL                  | ILS/LOC, GP/DME, DVOR/DME                                                        |
| TAWAU                              | CAT 7                                                                                                 | 2685 x 47                                                | PCN 69/F/C/W/T                                          | 2300 - 1400 UTC Daily                         | <b>Scheduled Aircraft</b><br>Code C Aircraft (A321 Neo)<br><b>Cargo</b><br>Code C Aircraft (B737-400) | ILS/LOC, GP/DME, DVOR/DME                                                        |
| LIMBANG                            | CAT 5                                                                                                 | 1500 x 30                                                | 15/F/C/W/T                                              | 0000 -0900 UTC Daily                          | <b>Scheduled Aircraft</b><br>Code C Aircraft (ATR 72)<br><b>Cargo</b><br>NIL                          | DVOR/DME                                                                         |
| MULU                               | CAT 5                                                                                                 | 1507 x 30                                                | PCN 19 F/C/X/T                                          | 0000 - 0800 UTC Daily                         | <b>Scheduled Aircraft</b><br>Code C Aircraft (ATR 72)                                                 | DVOR/DME                                                                         |
| MUKAH                              | CAT 5                                                                                                 | 1511 x 30                                                | Asphalt (Flexible) / PCN Not Available                  | 2330 - 0830 UTC Daily                         | <b>Scheduled Aircraft</b><br>Code 3B Aircraft (DHC-6)                                                 | DVOR/DME                                                                         |

SUMBER *Source*: MALAYSIA AIRPORTS HOLDINGS BERHAD (MAHB)

JADUAL 4.3: KEMUDAHAN PADANG TERBANG, MALAYSIA, 2022

Table 4.3: Airstrips Facilities, Malaysia, 2022

| LAPANGAN TERBANG<br><i>Airport</i>                 | PANJANG / LEBAR<br>LANDASAN<br><i>Runway Length / Width (m)</i> | KEUPAYAAN LANDASAN<br><i>Load Classification Number</i> | WAKTU BEROPERASI<br><i>Hours of Operation</i> | PENDARATAN PESAWAT<br>TERBESAR<br><i>Biggest Aircraft Landed</i> | SISTEM PERHUBUNGAN &<br>PEMALIMAN UDARA<br><i>Radio and Air Navigational Aids</i> |
|----------------------------------------------------|-----------------------------------------------------------------|---------------------------------------------------------|-----------------------------------------------|------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| SEMANANJUNG MALAYSIA<br><i>Peninsular Malaysia</i> |                                                                 |                                                         |                                               |                                                                  |                                                                                   |
| SITIAWAN                                           | n.a                                                             | n.a                                                     | n.a                                           | n.a                                                              | n.a                                                                               |
| MERSING                                            | n.a                                                             | n.a                                                     | n.a                                           | n.a                                                              | n.a                                                                               |
| BIDOR                                              | n.a                                                             | n.a                                                     | n.a                                           | n.a                                                              | n.a                                                                               |
| BAKRI / MUAR                                       | n.a                                                             | n.a                                                     | n.a                                           | n.a                                                              | n.a                                                                               |
| SEGAMAT                                            | n.a                                                             | n.a                                                     | n.a                                           | n.a                                                              | n.a                                                                               |
| SUNGAI TIANG                                       | n.a                                                             | n.a                                                     | n.a                                           | n.a                                                              | n.a                                                                               |
| PULAU PANGKOR                                      | 732 x 30                                                        | Asphalt (Flexible) / PCN Not Available                  | sunrise to sunset                             | Code 1C Aircraft (DHC-7)                                         | NIL                                                                               |
| PULAU TIOMAN                                       | 913 x 32                                                        | Asphalt (Flexible) / PCN Not Available                  | sunrise to sunset                             | Code 2C Aircraft (DHC-7)                                         | NIL                                                                               |
| PULAU REDANG                                       | 1101 x 30                                                       | PCN 14/F/C/Y/T                                          | sunrise to sunset                             | Code 2C Aircraft<br>(ATR72 Restricted Load / DHC-7)              | NIL                                                                               |
| ULU BERNAM                                         | n.a                                                             | n.a                                                     | n.a                                           | n.a                                                              | n.a                                                                               |
| JENDERATA                                          | n.a                                                             | n.a                                                     | n.a                                           | n.a                                                              | n.a                                                                               |
| SARAWAK                                            |                                                                 |                                                         |                                               |                                                                  |                                                                                   |
| BARIO                                              | 671 x 18                                                        | Asphalt (Flexible) / PCN Not Available                  | sunrise to sunset                             | Code 1B Aircraft (DHC-6)                                         | NIL                                                                               |
| LAWAS                                              | 758 x 17                                                        | Asphalt (Flexible) / PCN Not Available                  | sunrise to sunset                             | Code 1B Aircraft (DHC-6)                                         | NIL                                                                               |
| BELAGA                                             | n.a                                                             | n.a                                                     | n.a                                           | n.a                                                              | n.a                                                                               |
| KAPIT                                              | n.a                                                             | n.a                                                     | n.a                                           | n.a                                                              | n.a                                                                               |
| BAKELALAN                                          | 550 x 18                                                        | Asphalt (Flexible) / PCN Not Available                  | sunrise to sunset                             | Code 1B Aircraft (DHC-6)                                         | NIL                                                                               |
| LONG LELLANG                                       | 799 x 18                                                        | Asphalt (Flexible) / PCN Not Available                  | sunrise to sunset                             | Code 1B Aircraft (DHC-6)                                         | NIL                                                                               |
| LONG SEMANDO                                       | n.a                                                             | n.a                                                     | n.a                                           | n.a                                                              | n.a                                                                               |
| LONG SERIDAN                                       | 548 x 19                                                        | Asphalt (Flexible) / PCN Not Available                  | sunrise to sunset                             | Code 1B Aircraft (DHC-6)                                         | NIL                                                                               |
| MUKAH                                              | 548 x 18                                                        | PCN 12/F/C/Y/U                                          | sunrise to sunset                             | Code 1B Aircraft (DHC-6)                                         | NIL                                                                               |
| MARUDI                                             | 834 x 24                                                        | Asphalt (Flexible) / PCN Not Available                  | sunrise to sunset                             | Code 2B Aircraft (DHC-6)                                         | NIL                                                                               |
| LONG AKAH                                          | 679 x 18                                                        | PCN 12/F/C/Y/U                                          | sunrise to sunset                             | Code 1B Aircraft (DHC-6)                                         | NIL                                                                               |

SUMBER Source: MALAYSIA AIRPORTS HOLDINGS BERHAD (MAHB)

JADUAL 4.3: KEMUDAHAN PADANG TERBANG, MALAYSIA, 2022 (SAMB.)  
 Table 4.3: Airstrips Facilities, Malaysia, 2022 (Cont'd)

| LAPANGAN TERBANG<br><i>Airport</i> | PANJANG / LEBAR LANDASAN<br><i>Runway Length / Width (m)</i> | KEUPAYAAN LANDASAN<br><i>Load Classification Number</i> | WAKTU BEROPERASI<br><i>Hours of Operation</i> | PENDARATAN PESAWAT TERBESAR<br><i>Biggest Aircraft Landed</i> | SISTEM PERHUBUNGAN & PEMALIMAN UDARA<br><i>Radio and Air Navigational Aids</i> |
|------------------------------------|--------------------------------------------------------------|---------------------------------------------------------|-----------------------------------------------|---------------------------------------------------------------|--------------------------------------------------------------------------------|
| SABAH                              |                                                              |                                                         |                                               |                                                               |                                                                                |
| KUDAT                              | 729 x 18                                                     | Asphalt (Flexible) /<br>PCN Not Available               | sunrise to sunset                             | Code 1B Aircraft (DHC-6)                                      | NIL                                                                            |
| PAMOL                              | n.a                                                          | n.a                                                     | n.a                                           | n.a                                                           | n.a                                                                            |
| SEMPORNA                           | n.a                                                          | n.a                                                     | n.a                                           | n.a                                                           | n.a                                                                            |
| RANAU                              | n.a                                                          | n.a                                                     | n.a                                           | n.a                                                           | n.a                                                                            |
| KENINGAU                           | n.a                                                          | n.a                                                     | n.a                                           | n.a                                                           | n.a                                                                            |
| LONG PASIA                         | n.a                                                          | n.a                                                     | n.a                                           | n.a                                                           | n.a                                                                            |
| KUALA PENYU                        | n.a                                                          | n.a                                                     | n.a                                           | n.a                                                           | n.a                                                                            |
| SEPULOT                            | n.a                                                          | n.a                                                     | n.a                                           | n.a                                                           | n.a                                                                            |
| SAHABAT                            | n.a                                                          | n.a                                                     | n.a                                           | n.a                                                           | n.a                                                                            |
| TOMMANGGONG                        | n.a                                                          | n.a                                                     | n.a                                           | n.a                                                           | n.a                                                                            |
| TELUPID                            | n.a                                                          | n.a                                                     | n.a                                           | n.a                                                           | n.a                                                                            |
| KELABAKAN                          | n.a                                                          | n.a                                                     | n.a                                           | n.a                                                           | n.a                                                                            |
| HUNTER (MOROTAI)                   | n.a                                                          | n.a                                                     | n.a                                           | n.a                                                           | n.a                                                                            |
| KUALA KAHABA                       | n.a                                                          | n.a                                                     | n.a                                           | n.a                                                           | n.a                                                                            |
| KUALA MEDAMIT                      | n.a                                                          | n.a                                                     | n.a                                           | n.a                                                           | n.a                                                                            |
| MARAK-MARAK                        | n.a                                                          | n.a                                                     | n.a                                           | n.a                                                           | n.a                                                                            |
| MERIDI                             | n.a                                                          | n.a                                                     | n.a                                           | n.a                                                           | n.a                                                                            |
| NANGO                              | n.a                                                          | n.a                                                     | n.a                                           | n.a                                                           | n.a                                                                            |
| PARAMUDU                           | n.a                                                          | n.a                                                     | n.a                                           | n.a                                                           | n.a                                                                            |
| ULU TOMAN                          | n.a                                                          | n.a                                                     | n.a                                           | n.a                                                           | n.a                                                                            |
| WALLACE BAY                        | n.a                                                          | n.a                                                     | n.a                                           | n.a                                                           | n.a                                                                            |

SUMBER *Source:* MALAYSIA AIRPORTS HOLDINGS BERHAD (MAHB)

**JADUAL 4.4: JUMLAH PENUMPANG YANG DIKENDALIKAN MENGIKUT LAPANGAN TERBANG (TIDAK TERMASUK PENUMPANG TRANSIT), MALAYSIA, 2013-2022**
*Table 4.4: Total Passengers Handled by Airports (Excluding Transit Passengers), Malaysia, 2013-2022*

| LAPANGAN TERBANG <i>Airports</i> | 2013              | 2014              | 2015              | 2016              | 2017              | 2018               | 2019               | 2020              | 2021              | 2022              |
|----------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------------------|--------------------|-------------------|-------------------|-------------------|
| KLIA TERMINAL 1                  | 47,143,539        | 24,545,711        | 22,298,140        | 25,305,221        | 28,196,313        | 28,021,775         | 29,128,481         | 5,985,403         | 2,087,622         | 13,162,786        |
| KLIA TERMINAL 2                  | -                 | 24,026,123        | 26,319,086        | 27,119,023        | 30,267,030        | 31,866,394         | 33,128,941         | 7,134,875         | 1,858,491         | 12,066,697        |
| PULAU PINANG                     | 5,485,756         | 6,036,326         | 6,251,955         | 6,661,225         | 7,188,238         | 7,771,548          | 8,318,772          | 1,814,940         | 541,376           | 4,275,123         |
| KOTA KINABALU                    | 6,929,692         | 6,785,957         | 6,568,371         | 7,263,224         | 8,006,446         | 8,622,119          | 9,444,570          | 2,301,918         | 1,110,996         | 5,022,756         |
| KUCHING                          | 4,843,141         | 4,830,778         | 4,758,089         | 4,911,331         | 5,086,208         | 5,559,092          | 5,955,776          | 1,779,588         | 840,133           | 4,340,070         |
| LANGKAWI                         | 1,946,220         | 2,221,997         | 2,336,177         | 2,655,271         | 2,767,707         | 2,735,262          | 2,945,924          | 966,781           | 761,684           | 2,240,416         |
| JOHOR BAHRU                      | 1,990,106         | 2,325,816         | 2,581,966         | 2,828,074         | 3,124,799         | 3,522,576          | 4,270,144          | 1,084,870         | 370,852           | 2,216,136         |
| KOTA BHARU                       | 1,585,238         | 1,800,836         | 2,063,745         | 2,062,248         | 1,988,212         | 1,688,625          | 1,823,089          | 711,257           | 501,375           | 1,384,903         |
| IPOH                             | 74,320            | 98,768            | 222,606           | 269,696           | 274,146           | 315,673            | 457,231            | 100,585           | 35,145            | 334,165           |
| KUALA TERENGGANU                 | 699,310           | 842,651           | 857,239           | 900,218           | 943,660           | 894,737            | 913,671            | 301,648           | 164,686           | 611,702           |
| ALOR SETAR                       | 535,073           | 660,264           | 719,029           | 787,706           | 802,304           | 817,253            | 919,875            | 275,773           | 164,920           | 526,802           |
| MELAKA                           | 21,637            | 14,178            | 69,710            | 58,703            | 62,076            | 52,493             | 135,569            | 29,424            | -                 | 18,821            |
| SUBANG                           | 1,858,823         | 2,762,399         | 3,059,035         | 2,834,836         | 2,880,536         | 1,964,059          | 2,259,595          | 949,721           | 577,984           | 1,547,253         |
| KUANTAN                          | 317,440           | 314,130           | 292,109           | 247,757           | 241,314           | 258,816            | 394,599            | 71,468            | 20,904            | 103,961           |
| TIOMAN                           | 56,054            | 9,217             | -                 | -                 | -                 | -                  | -                  | -                 | 14                | 5,568             |
| PANGKOR                          | 5,791             | 205               | -                 | -                 | -                 | -                  | -                  | -                 | 4                 | 393               |
| REDANG                           | 35,982            | 11,087            | -                 | -                 | -                 | 51                 | -                  | 5,159             | 2,423             | 8,632             |
| LABUAN                           | 669,137           | 715,052           | 641,846           | 570,948           | 553,772           | 557,802            | 709,278            | 270,419           | 149,409           | 454,049           |
| LAHAD DATU                       | 145,930           | 161,230           | 143,654           | 140,077           | 127,651           | 124,803            | 140,583            | 59,739            | 49,422            | 121,237           |
| SANDAKAN                         | 889,250           | 877,475           | 837,768           | 863,701           | 878,204           | 940,139            | 1,082,627          | 361,979           | 244,919           | 793,536           |
| TAWAU                            | 1,202,344         | 1,218,311         | 1,203,792         | 1,271,915         | 1,374,881         | 1,642,171          | 1,833,540          | 571,702           | 415,753           | 1,377,644         |
| BINTULU                          | 750,994           | 795,118           | 779,413           | 779,086           | 826,501           | 909,057            | 1,114,318          | 369,777           | 166,224           | 725,786           |
| MIRI                             | 2,214,660         | 2,355,071         | 2,241,913         | 2,195,145         | 2,179,799         | 2,343,468          | 2,433,651          | 876,085           | 508,631           | 1,775,238         |
| SIBU                             | 1,357,909         | 1,411,539         | 1,438,502         | 1,455,293         | 1,485,385         | 1,570,591          | 1,751,556          | 570,318           | 243,342           | 1,233,824         |
| MULU                             | 49,432            | 52,175            | 51,387            | 60,074            | 62,656            | 57,505             | 59,501             | 17,917            | 11,600            | 62,505            |
| LIMBANG                          | 61,074            | 63,870            | 58,300            | 55,437            | 49,461            | 45,475             | 57,638             | 73,230            | 85,559            | 149,960           |
| MUKAH                            | 34,247            | 37,968            | 35,935            | 36,206            | 37,148            | 40,919             | 47,557             | 29,011            | 30,595            | 61,922            |
| STOL SABAH                       | 3,798             | 3,585             | 4,007             | 5,216             | 4,542             | 3,951              | 1,589              | 636               | -                 | -                 |
| STOL SARAWAK                     | 109,431           | 110,168           | 114,405           | 118,903           | 114,801           | 106,757            | 100,247            | 71,864            | 74,745            | 114,201           |
| SEMANJUNG <i>Peninsular</i>      | 61,755,289        | 65,669,708        | 67,070,797        | 71,729,978        | 78,736,335        | 79,909,262         | 84,695,891         | 19,431,904        | 7,087,480         | 38,503,358        |
| SABAH                            | 9,840,151         | 9,761,610         | 9,399,438         | 10,115,081        | 10,945,496        | 11,890,985         | 13,212,187         | 3,566,393         | 1,970,499         | 7,769,222         |
| SARAWAK                          | 9,420,888         | 9,656,687         | 9,477,944         | 9,611,475         | 9,841,959         | 10,632,864         | 11,520,244         | 3,787,790         | 1,960,829         | 8,463,506         |
| <b>JUMLAH Total</b>              | <b>81,016,328</b> | <b>85,088,005</b> | <b>85,948,179</b> | <b>91,456,534</b> | <b>99,523,790</b> | <b>102,433,111</b> | <b>109,428,322</b> | <b>26,786,087</b> | <b>11,018,808</b> | <b>54,736,086</b> |

SUMBER *Source*: MALAYSIA AIRPORTS HOLDINGS BERHAD (MAHB), SENAI AIRPORT TERMINAL SERVICES SDN BHD (SATS)

JADUAL 4.5: JUMLAH PENUMPANG YANG DIKENDALIKAN MENGIKUT LAPANGAN TERBANG, MALAYSIA, 2022

Table 4.5: Total Passengers Handled by Airports, Malaysia, 2022

| LAPANGAN TERBANG<br><i>Airports</i> | DALAM NEGERI<br><i>Domestic</i> |                              |                        | ANTARABANGSA<br><i>International</i> |                              |                        | JUMLAH<br><i>Total</i>     |                              |                        | TRANSIT<br><i>Transit</i>       |                                      |                        | PERBANDINGAN TAHUN KE TAHUN<br><i>Year on Year Comparison</i> |                   |               |
|-------------------------------------|---------------------------------|------------------------------|------------------------|--------------------------------------|------------------------------|------------------------|----------------------------|------------------------------|------------------------|---------------------------------|--------------------------------------|------------------------|---------------------------------------------------------------|-------------------|---------------|
|                                     | KETIBAAN<br><i>Arrival</i>      | BERLEPAS<br><i>Departure</i> | JUMLAH<br><i>Total</i> | KETIBAAN<br><i>Arrival</i>           | BERLEPAS<br><i>Departure</i> | JUMLAH<br><i>Total</i> | KETIBAAN<br><i>Arrival</i> | BERLEPAS<br><i>Departure</i> | JUMLAH<br><i>Total</i> | DALAM NEGERI<br><i>Domestic</i> | ANTARABANGSA<br><i>International</i> | JUMLAH<br><i>Total</i> | 2022                                                          | 2021              | %<br>+/-      |
| KLIA TERMINAL 1                     | 2,135,052                       | 2,114,053                    | 4,249,105              | 4,482,642                            | 4,431,039                    | 8,913,681              | 6,617,694                  | 6,545,092                    | 13,162,786             | -                               | 170,065                              | 170,065                | 13,332,851                                                    | 2,153,879         | 519.0%        |
| KLIA TERMINAL 2                     | 3,481,298                       | 3,394,820                    | 6,876,118              | 2,543,334                            | 2,647,245                    | 5,190,579              | 6,024,632                  | 6,042,065                    | 12,066,697             | -                               | -                                    | -                      | 12,066,697                                                    | 1,857,959         | 549.5%        |
| PULAU PINANG                        | 1,503,713                       | 1,503,011                    | 3,006,724              | 630,486                              | 637,913                      | 1,268,399              | 2,134,199                  | 2,140,924                    | 4,275,123              | 5,967                           | 125                                  | 6,092                  | 4,281,215                                                     | 543,519           | 687.7%        |
| KOTA KINABALU                       | 2,334,623                       | 2,351,536                    | 4,686,159              | 168,412                              | 168,185                      | 336,597                | 2,503,035                  | 2,519,721                    | 5,022,756              | 316                             | 41                                   | 357                    | 5,023,113                                                     | 1,123,575         | 347.1%        |
| KUCHING                             | 2,072,274                       | 2,073,850                    | 4,146,124              | 94,784                               | 99,162                       | 193,946                | 2,167,058                  | 2,173,012                    | 4,340,070              | 323                             | -                                    | 323                    | 4,340,393                                                     | 840,553           | 416.4%        |
| LANGKAWI                            | 1,077,153                       | 1,075,349                    | 2,152,502              | 43,127                               | 44,787                       | 87,914                 | 1,120,280                  | 1,120,136                    | 2,240,416              | 1,590                           | -                                    | 1,590                  | 2,242,006                                                     | 762,142           | 194.2%        |
| JOHOR BAHRU                         | 1,016,973                       | 1,026,836                    | 2,043,809              | 86,100                               | 86,227                       | 172,327                | 1,103,073                  | 1,113,063                    | 2,216,136              | 9,055                           | -                                    | 9,055                  | 2,225,191                                                     | 371,154           | 499.5%        |
| KOTA BHARU                          | 687,823                         | 697,080                      | 1,384,903              | -                                    | -                            | -                      | 687,823                    | 697,080                      | 1,384,903              | -                               | -                                    | -                      | 1,384,903                                                     | 501,930           | 175.9%        |
| IPOH                                | 63,242                          | 64,519                       | 127,761                | 99,115                               | 107,289                      | 206,404                | 162,357                    | 171,808                      | 334,165                | -                               | -                                    | -                      | 334,165                                                       | 35,145            | 850.8%        |
| KUALA TERENGGANU                    | 301,784                         | 309,906                      | 611,690                | 6                                    | 6                            | 12                     | 301,790                    | 309,912                      | 611,702                | 22                              | -                                    | 22                     | 611,724                                                       | 165,649           | 269.3%        |
| ALOR SETAR                          | 258,779                         | 268,023                      | 526,802                | -                                    | -                            | -                      | 258,779                    | 268,023                      | 526,802                | -                               | -                                    | -                      | 526,802                                                       | 165,678           | 218.0%        |
| MELAKA                              | 4,385                           | 4,675                        | 9,060                  | 5,396                                | 4,365                        | 9,761                  | 9,781                      | 9,040                        | 18,821                 | -                               | -                                    | -                      | 18,821                                                        | -                 | -             |
| SUBANG                              | 727,723                         | 720,146                      | 1,447,869              | 49,593                               | 49,791                       | 99,384                 | 777,316                    | 769,937                      | 1,547,253              | 895                             | -                                    | 895                    | 1,548,148                                                     | 577,984           | 167.9%        |
| KUANTAN                             | 48,926                          | 51,710                       | 100,636                | 1,589                                | 1,736                        | 3,325                  | 50,515                     | 53,446                       | 103,961                | -                               | -                                    | -                      | 103,961                                                       | 21,251            | 389.2%        |
| TIOMAN                              | 2,705                           | 2,829                        | 5,534                  | 13                                   | 21                           | 34                     | 2,718                      | 2,850                        | 5,568                  | -                               | -                                    | -                      | 5,568                                                         | 14                | 99671.4%      |
| PANGKOR                             | 208                             | 185                          | 393                    | -                                    | -                            | -                      | 208                        | 185                          | 393                    | -                               | -                                    | -                      | 393                                                           | 4                 | 9725.0%       |
| REDANG                              | 4,262                           | 4,370                        | 8,632                  | -                                    | -                            | -                      | 4,262                      | 4,370                        | 8,632                  | -                               | -                                    | -                      | 8,632                                                         | 2,423             | 256.3%        |
| LABUAN                              | 228,496                         | 225,553                      | 454,049                | -                                    | -                            | -                      | 228,496                    | 225,553                      | 454,049                | 1,204                           | -                                    | 1,204                  | 455,253                                                       | 150,178           | 203.1%        |
| LAHAD DATU                          | 58,966                          | 62,271                       | 121,237                | -                                    | -                            | -                      | 58,966                     | 62,271                       | 121,237                | -                               | -                                    | -                      | 121,237                                                       | 49,422            | 145.3%        |
| SANDAKAN                            | 392,156                         | 401,378                      | 793,534                | 2                                    | -                            | 2                      | 392,158                    | 401,378                      | 793,536                | 45                              | -                                    | 45                     | 793,581                                                       | 245,244           | 223.6%        |
| TAWAU                               | 678,823                         | 698,760                      | 1,377,583              | -                                    | 61                           | 61                     | 678,823                    | 698,821                      | 1,377,644              | 153                             | -                                    | 153                    | 1,377,797                                                     | 415,977           | 231.2%        |
| BINTULU                             | 360,126                         | 365,660                      | 725,786                | -                                    | -                            | -                      | 360,126                    | 365,660                      | 725,786                | 622                             | -                                    | 622                    | 726,408                                                       | 166,236           | 337.0%        |
| MIRI                                | 858,606                         | 869,354                      | 1,727,960              | 22,354                               | 24,924                       | 47,278                 | 880,960                    | 894,278                      | 1,775,238              | 944                             | -                                    | 944                    | 1,776,182                                                     | 509,367           | 248.7%        |
| SIBU                                | 610,579                         | 620,429                      | 1,231,008              | 1,431                                | 1,385                        | 2,816                  | 612,010                    | 621,814                      | 1,233,824              | 1,087                           | -                                    | 1,087                  | 1,234,911                                                     | 243,350           | 407.5%        |
| MULU                                | 31,388                          | 31,117                       | 62,505                 | -                                    | -                            | -                      | 31,388                     | 31,117                       | 62,505                 | -                               | -                                    | -                      | 62,505                                                        | 11,600            | 438.8%        |
| LIMBANG                             | 74,838                          | 75,122                       | 149,960                | -                                    | -                            | -                      | 74,838                     | 75,122                       | 149,960                | -                               | -                                    | -                      | 149,960                                                       | 85,562            | 75.3%         |
| MUKAH                               | 30,300                          | 31,622                       | 61,922                 | -                                    | -                            | -                      | 30,300                     | 31,622                       | 61,922                 | -                               | -                                    | -                      | 61,922                                                        | 30,595            | 102.4%        |
| STOL SABAH                          | -                               | -                            | -                      | -                                    | -                            | -                      | -                          | -                            | -                      | -                               | -                                    | -                      | -                                                             | -                 | -             |
| STOL SARAWAK                        | 54,851                          | 59,349                       | 114,200                | -                                    | -                            | -                      | 54,851                     | 59,349                       | 114,200                | 7,234                           | -                                    | 7,234                  | 121,434                                                       | 78,913            | 53.9%         |
| SEMANANJUNG <i>Peninsular</i>       | 11,314,026                      | 11,237,512                   | 22,551,538             | 7,941,401                            | 8,010,419                    | 15,951,820             | 19,255,427                 | 19,247,931                   | 38,503,358             | 17,529                          | 170,190                              | 187,719                | 38,691,077                                                    | 7,158,731         | 440.5%        |
| SABAH                               | 3,693,064                       | 3,739,498                    | 7,432,562              | 168,414                              | 168,246                      | 336,660                | 3,861,478                  | 3,907,744                    | 7,769,222              | 1,718                           | 41                                   | 1,759                  | 7,770,981                                                     | 1,984,396         | 291.6%        |
| SARAWAK                             | 4,092,962                       | 4,126,503                    | 8,219,465              | 118,569                              | 125,471                      | 244,040                | 4,211,531                  | 4,251,974                    | 8,463,505              | 10,210                          | -                                    | 10,210                 | 8,473,715                                                     | 1,966,176         | 331.0%        |
| <b>JUMLAH Total</b>                 | <b>19,100,052</b>               | <b>19,103,513</b>            | <b>38,203,565</b>      | <b>8,228,384</b>                     | <b>8,304,136</b>             | <b>16,532,520</b>      | <b>27,328,436</b>          | <b>27,407,649</b>            | <b>54,736,085</b>      | <b>29,457</b>                   | <b>170,231</b>                       | <b>199,688</b>         | <b>54,935,773</b>                                             | <b>11,109,303</b> | <b>394.5%</b> |

SUMBER Source: MALAYSIA AIRPORTS HOLDINGS BERHAD (MAHB), SENAI AIRPORT TERMINAL SERVICES SDN BHD (SATS)

JADUAL 4.6: JUMLAH KARGO YANG DIKENDALIKAN MENGIKUT LAPANGAN TERBANG (TIDAK TERMASUK KARGO TRANSIT), MALAYSIA, 2013–2022

Table 4.6: Total Cargo Handled by Airports (Excluding Cargo in Transit), Malaysia, 2013–2022

| LAPANGAN TERBANG <i>Airports</i> | 2013           | 2014           | 2015           | 2016           | 2017           | 2018           | 2019           | 2020           | 2021             | 2022             |
|----------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|------------------|------------------|
| KLIA TERMINAL 1                  | 680,983        | 657,306        | 624,768        | 523,346        | 563,054        | 555,704        | 545,240        | 458,517        | 602,456          | 590,818          |
| KLIA TERMINAL 2                  | -              | 96,593         | 101,462        | 119,212        | 147,132        | 158,965        | 142,000        | 46,667         | 33,494           | 72,040           |
| PULAU PINANG                     | 111,852        | 118,812        | 112,748        | 113,180        | 119,272        | 130,127        | 124,361        | 123,336        | 140,672          | 155,978          |
| KOTA KINABALU                    | 21,816         | 23,533         | 24,701         | 28,762         | 27,372         | 28,039         | 28,664         | 41,434         | 60,704           | 67,524           |
| KUCHING                          | 21,890         | 27,939         | 28,993         | 22,038         | 24,080         | 26,615         | 24,730         | 30,312         | 53,954           | 49,545           |
| LANGKAWI                         | 598            | 567            | 647            | 588            | 759            | 832            | 907            | 456            | 214              | 624              |
| JOHOR BAHRU                      | 3,444          | 4,934          | 5,272          | 6,244          | 7,614          | 9,691          | 14,693         | 10,119         | 3,279            | 7,493            |
| KOTA BHARU                       | 179            | 397            | 1,003          | 780            | 775            | 1,073          | 1,250          | 542            | 441              | 988              |
| IPOH                             | 403            | 296            | 318            | 178            | 105            | 142            | -              | -              | -                | -                |
| KUALA TERENGGANU                 | 103            | 148            | 329            | 253            | 247            | 363            | 426            | 171            | 188              | 531              |
| ALOR SETAR                       | 126            | 230            | 389            | 390            | 489            | 845            | 1,009          | 278            | 197              | 581              |
| MELAKA                           | -              | -              | -              | -              | -              | -              | -              | -              | -                | 0                |
| SUBANG                           | 26,443         | 28,128         | 31,357         | 36,147         | 36,568         | 32,284         | 34,648         | 58,260         | 83,355           | 74,903           |
| KUANTAN                          | 86             | 46             | 21             | 15             | 25             | 13             | 3              | 2              | -                | 5                |
| TIOMAN                           | 30             | 15             | -              | -              | -              | -              | -              | -              | -                | *                |
| PANGKOR                          | 21             | -              | -              | -              | -              | -              | -              | -              | -                | -                |
| REDANG                           | 27             | 17             | -              | -              | -              | -              | -              | -              | 1                | 4                |
| LABUAN                           | 8,067          | 9,543          | 7,539          | 4,002          | 4,580          | 3,823          | 6,134          | 3,193          | 1,862            | 2,348            |
| LAHAD DATU                       | 200            | 179            | 158            | 129            | 101            | 97             | 75             | 163            | 159              | 140              |
| SANDAKAN                         | 2,891          | 2,495          | 3,143          | 2,384          | 2,207          | 2,150          | 2,547          | 1,645          | 1,170            | 5,360            |
| TAWAU                            | 2,844          | 3,265          | 3,910          | 3,570          | 3,884          | 4,060          | 3,893          | 5,058          | 15,435           | 17,984           |
| BINTULU                          | 2,528          | 2,306          | 2,378          | 2,646          | 2,845          | 3,565          | 4,659          | 1,370          | 491              | 1,752            |
| MIRI                             | 9,799          | 8,029          | 7,292          | 7,270          | 4,872          | 5,054          | 5,278          | 5,345          | 7,636            | 7,903            |
| SIBU                             | 1,407          | 1,433          | 1,300          | 1,044          | 1,284          | 1,438          | 1,262          | 1,452          | 1,560            | 3,025            |
| MULU                             | 354            | 319            | 232            | 391            | 315            | 299            | 304            | 111            | 111              | 229              |
| LIMBANG                          | 742            | 596            | 565            | 466            | 196            | 198            | 111            | 307            | 316              | 331              |
| MUKAH                            | -              | -              | -              | -              | -              | -              | -              | -              | 12               | 17               |
| STOL SABAH                       | -              | -              | -              | -              | -              | -              | -              | -              | -                | -                |
| STOL SARAWAK                     | 396            | 289            | 518            | 397            | 415            | 425            | 430            | 355            | 368              | 404              |
| SEMANANJUNG <i>Peninsular</i>    | 824,294        | 907,489        | 878,313        | 800,333        | 876,040        | 890,039        | 864,538        | 698,348        | 864,297          | 903,966          |
| SABAH                            | 35,819         | 39,015         | 39,451         | 38,848         | 38,145         | 38,169         | 41,313         | 51,492         | 79,331           | 93,355           |
| SARAWAK                          | 37,116         | 40,911         | 41,278         | 34,253         | 34,007         | 37,593         | 36,774         | 39,251         | 64,446           | 63,206           |
| <b>JUMLAH Total</b>              | <b>897,228</b> | <b>987,415</b> | <b>959,042</b> | <b>873,433</b> | <b>948,191</b> | <b>965,801</b> | <b>942,626</b> | <b>789,091</b> | <b>1,008,074</b> | <b>1,060,527</b> |

SUMBER Source: MALAYSIA AIRPORTS HOLDINGS BERHAD (MAHB), SENAI AIRPORT TERMINAL SERVICES SDN BHD (SATS)

JADUAL 4.7: JUMLAH KARGO YANG DIKENDALIKAN MENGIKUT LAPANGAN TERBANG, MALAYSIA, 2022

Table 4.7: Total Cargo Handled by Airports, Malaysia, 2022

METRIC TONNES

| LAPANGAN TERBANG<br>Airports | DALAM NEGERI<br>Domestic |                    |                 | ANTARABANGSA<br>International |                    |                 | JUMLAH<br>Total      |                    |                  | TRANSIT<br>Transit          |                               |                 | PERBANDINGAN TAHUN KE TAHUN<br>Year on Year Comparison |                  |             |
|------------------------------|--------------------------|--------------------|-----------------|-------------------------------|--------------------|-----------------|----------------------|--------------------|------------------|-----------------------------|-------------------------------|-----------------|--------------------------------------------------------|------------------|-------------|
|                              | DIHANTAR<br>Unloaded     | DIANGKUT<br>Loaded | JUMLAH<br>Total | DIHANTAR<br>Unloaded          | DIANGKUT<br>Loaded | JUMLAH<br>Total | DIHANTAR<br>Unloaded | DIANGKUT<br>Loaded | JUMLAH<br>Total  | DALAM<br>NEGERI<br>Domestic | ANTARABANGSA<br>International | JUMLAH<br>Total | 2022                                                   | 2021             | %<br>+/-    |
| KLIA TERMINAL 1              | 20,696                   | 57,982             | 78,678          | 284,368                       | 227,772            | 512,140         | 305,065              | 285,754            | 590,818          | 938                         | 21,203                        | 22,141          | 612,960                                                | 626,546          | -2.2%       |
| KLIA TERMINAL 2              | 11,182                   | 31,897             | 43,078          | 14,354                        | 14,608             | 28,962          | 25,535               | 46,505             | 72,040           | -                           | -                             | -               | 72,040                                                 | 33,494           | 115.1%      |
| PULAU PINANG                 | 6,571                    | 9,119              | 15,690          | 63,877                        | 76,411             | 140,289         | 70,449               | 85,530             | 155,978          | 1,334                       | 4,735                         | 6,069           | 162,048                                                | 153,782          | 5.4%        |
| KOTA KINABALU                | 41,840                   | 14,784             | 56,625          | 5,702                         | 5,197              | 10,899          | 47,542               | 19,982             | 67,524           | 156                         | 320                           | 477             | 68,000                                                 | 63,104           | 7.8%        |
| KUCHING                      | 38,509                   | 9,673              | 48,182          | 180                           | 1,183              | 1,363           | 38,689               | 10,856             | 49,545           | 179                         | 244                           | 423             | 49,968                                                 | 55,823           | -10.5%      |
| LANGKAWI                     | 362                      | 194                | 556             | 35                            | 33                 | 68              | 396                  | 227                | 624              | *                           | -                             | *               | 624                                                    | 214              | 191.1%      |
| JOHOR BAHRU                  | 2,294                    | 2,736              | 5,030           | 1,671                         | 792                | 2,463           | 3,965                | 3,528              | 7,493            | -                           | -                             | -               | 7,493                                                  | 3,279            | 128.5%      |
| KOTA BHARU                   | 588                      | 400                | 988             | -                             | -                  | -               | 588                  | 400                | 988              | -                           | -                             | -               | 988                                                    | 441              | 123.8%      |
| IPOH                         | -                        | -                  | -               | -                             | -                  | -               | -                    | -                  | -                | -                           | -                             | -               | -                                                      | -                | -           |
| KUALA TERENGGANU             | 301                      | 230                | 531             | -                             | -                  | -               | 301                  | 230                | 531              | *                           | -                             | *               | 531                                                    | 188              | 182.3%      |
| ALOR SETAR                   | 273                      | 308                | 581             | -                             | -                  | -               | 273                  | 308                | 581              | -                           | -                             | -               | 581                                                    | 197              | 194.3%      |
| MELAKA                       | *                        | -                  | *               | -                             | -                  | -               | *                    | -                  | *                | -                           | -                             | -               | *                                                      | -                | -           |
| SUBANG                       | 4,394                    | 13,609             | 18,003          | 35,190                        | 21,710             | 56,900          | 39,585               | 35,319             | 74,903           | -                           | -                             | -               | 74,903                                                 | 83,519           | -10.3%      |
| KUANTAN                      | 2                        | *                  | 2               | 1                             | 1                  | 3               | 4                    | 1                  | 5                | -                           | -                             | -               | 5                                                      | 3                | 46.8%       |
| TIOMAN                       | -                        | *                  | *               | -                             | -                  | -               | -                    | *                  | *                | -                           | -                             | -               | *                                                      | -                | -           |
| PANGKOR                      | -                        | -                  | -               | -                             | -                  | -               | -                    | -                  | -                | -                           | -                             | -               | -                                                      | -                | -           |
| REDANG                       | 3                        | 1                  | 4               | -                             | -                  | -               | 3                    | 1                  | 4                | -                           | -                             | -               | 4                                                      | 1                | 224.4%      |
| LABUAN                       | 1,954                    | 275                | 2,229           | *                             | 118                | 118             | 1,954                | 393                | 2,347            | 386                         | 968                           | 1,354           | 3,701                                                  | 3,009            | 23.0%       |
| LAHAD DATU                   | 89                       | 51                 | 140             | -                             | -                  | -               | 89                   | 51                 | 140              | -                           | -                             | -               | 140                                                    | 159              | -11.9%      |
| SANDAKAN                     | 3,202                    | 2,158              | 5,360           | -                             | -                  | -               | 3,202                | 2,158              | 5,360            | 3                           | -                             | 3               | 5,363                                                  | 1,174            | 356.7%      |
| TAWAU                        | 4,700                    | 11,994             | 16,695          | -                             | 1,289              | 1,289           | 4,700                | 13,283             | 17,984           | -                           | 35                            | 35              | 18,018                                                 | 15,505           | 16.2%       |
| BINTULU                      | 1,412                    | 140                | 1,552           | 200                           | -                  | 200             | 1,612                | 140                | 1,752            | 4                           | -                             | 4               | 1,756                                                  | 491              | 257.5%      |
| MIRI                         | 6,604                    | 1,284              | 7,888           | 8                             | 8                  | 15              | 6,612                | 1,291              | 7,903            | 1                           | -                             | 1               | 7,904                                                  | 7,679            | 2.9%        |
| SIBU                         | 2,669                    | 357                | 3,025           | -                             | -                  | -               | 2,669                | 357                | 3,025            | 1                           | -                             | 1               | 3,026                                                  | 1,560            | 94.0%       |
| MULU                         | 227                      | 2                  | 229             | -                             | -                  | -               | 227                  | 2                  | 229              | -                           | -                             | -               | 229                                                    | 111              | 107.1%      |
| LIMBANG                      | 239                      | 92                 | 331             | -                             | -                  | -               | 239                  | 92                 | 331              | -                           | -                             | -               | 331                                                    | 316              | 4.8%        |
| MUKAH                        | 14                       | 3                  | 17              | -                             | -                  | -               | 14                   | 3                  | 17               | -                           | -                             | -               | 17                                                     | 12               | 43.5%       |
| STOL SABAH                   | -                        | -                  | -               | -                             | -                  | -               | -                    | -                  | -                | -                           | -                             | -               | -                                                      | -                | -           |
| STOL SARAWAK                 | 109                      | 295                | 404             | -                             | -                  | -               | 109                  | 295                | 404              | 81                          | -                             | 81              | 485                                                    | 442              | 9.8%        |
| SEMANJUNG <i>Peninsular</i>  | 46,666                   | 116,476            | 163,142         | 399,496                       | 341,328            | 740,824         | 446,163              | 457,803            | 903,966          | 2,272                       | 25,938                        | 28,211          | 932,177                                                | 901,665          | 3.4%        |
| SABAH                        | 51,786                   | 29,262             | 81,048          | 5,702                         | 6,604              | 12,306          | 57,488               | 35,867             | 93,354           | 545                         | 1,323                         | 1,868           | 95,222                                                 | 82,951           | 14.8%       |
| SARAWAK                      | 49,783                   | 11,844             | 61,627          | 388                           | 1,191              | 1,579           | 50,171               | 13,035             | 63,206           | 266                         | 244                           | 510             | 63,716                                                 | 66,421           | -4.1%       |
| <b>JUMLAH Total</b>          | <b>148,235</b>           | <b>157,582</b>     | <b>305,817</b>  | <b>405,586</b>                | <b>349,123</b>     | <b>754,709</b>  | <b>553,821</b>       | <b>506,705</b>     | <b>1,060,526</b> | <b>3,084</b>                | <b>27,505</b>                 | <b>30,589</b>   | <b>1,091,115</b>                                       | <b>1,051,036</b> | <b>3.8%</b> |

SUMBER Source: MALAYSIA AIRPORTS HOLDINGS BERHAD (MAHB), SENAI AIRPORT TERMINAL SERVICES SDN BHD (SATS)

JADUAL 4.8: JUMLAH MEL YANG DIKENDALIKAN MENGIKUT LAPANGAN TERBANG (TIDAK TERMASUK MEL TRANSIT), MALAYSIA, 2013–2022

Table 4.8: Total Mail Handled by Airports (Excluding Mail in Transit), Malaysia, 2013–2022

METRIC TONNES

| LAPANGAN TERBANG <i>Airports</i> | 2013          | 2014          | 2015          | 2016          | 2017          | 2018          | 2019          | 2020          | 2021          | 2022          |
|----------------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| KLIA TERMINAL 1                  | 32,271        | 33,942        | 35,268        | 31,091        | 29,101        | 26,416        | 27,616        | 16,002        | 16,385        | 15,790        |
| KLIA TERMINAL 2                  | -             | -             | -             | 1             | 3             | 12            | -             | -             | -             | 3             |
| PULAU PINANG                     | 3             | 7             | 5             | 32            | 3             | 2             | 9             | 7             | *             | 9             |
| KOTA KINABALU                    | 1,751         | 1,386         | 1,455         | 1,525         | 1,431         | 959           | 776           | 175           | 16            | 14            |
| KUCHING                          | 727           | 715           | 542           | 322           | 320           | 81            | 20            | 58            | 3             | 30            |
| LANGKAWI                         | 254           | 279           | 286           | 174           | 114           | 17            | 3             | -             | *             | *             |
| JOHOR BAHRU                      | -             | -             | -             | -             | 146           | 326           | 517           | 5,300         | 4,965         | 2,892         |
| KOTA BHARU                       | 244           | 281           | 179           | 1             | 12            | -             | *             | -             | *             | *             |
| IPOH                             | -             | -             | 1             | 155           | -             | -             | -             | -             | -             | -             |
| KUALA TERENGGANU                 | 38            | 36            | 39            | -             | 2             | -             | *             | -             | -             | -             |
| ALOR SETAR                       | 224           | 344           | 430           | 412           | 244           | 1             | 6             | -             | -             | *             |
| MELAKA                           | -             | -             | -             | -             | -             | -             | -             | -             | -             | -             |
| SUBANG                           | 7             | -             | 5             | -             | -             | -             | -             | -             | -             | *             |
| KUANTAN                          | -             | -             | -             | -             | -             | -             | *             | -             | -             | *             |
| TIOMAN                           | -             | -             | -             | -             | -             | -             | -             | -             | -             | *             |
| PANGKOR                          | -             | -             | -             | -             | -             | -             | -             | -             | -             | -             |
| LABUAN                           | 507           | 519           | 426           | 426           | 422           | 148           | 99            | 3             | 4             | 1             |
| LAHAD DATU                       | 165           | 3             | -             | -             | -             | 3             | 12            | -             | -             | -             |
| SANDAKAN                         | 287           | 36            | 71            | 52            | 38            | 84            | 11            | 1             | 1             | 1             |
| TAWAU                            | 471           | 197           | 267           | 264           | 245           | 158           | 6             | 1             | 1             | *             |
| BINTULU                          | 53            | 57            | 54            | 16            | 348           | 102           | 9             | 2             | *             | *             |
| MIRI                             | 2,124         | 2,824         | 2,657         | 95            | 163           | 50            | 14            | 815           | 24            | 10            |
| SIBU                             | 611           | 604           | 472           | 713           | 309           | 110           | 39            | 4             | *             | 1             |
| MULU                             | -             | -             | -             | -             | -             | 1             | 2             | 3             | 5             | 4             |
| LIMBANG                          | 37            | 42            | 44            | 46            | 53            | 20            | *             | 2             | 1             | 1             |
| MUKAH                            | -             | -             | -             | -             | -             | -             | -             | -             | *             | 1             |
| STOL SABAH                       | -             | -             | -             | -             | -             | -             | -             | -             | -             | -             |
| STOL SARAWAK                     | 13            | 36            | 32            | 2             | -             | -             | -             | -             | -             | -             |
| SEMENANJUNG <i>Peninsular</i>    | 33,040        | 34,890        | 36,212        | 31,864        | 29,625        | 26,774        | 28,152        | 21,308        | 21,350        | 18,694        |
| SABAH                            | 3,181         | 2,141         | 2,220         | 2,267         | 2,136         | 1,351         | 905           | 180           | 21            | 16            |
| SARAWAK                          | 3,565         | 4,277         | 3,802         | 1,194         | 1,193         | 363           | 84            | 884           | 34            | 47            |
| <b>JUMLAH Total</b>              | <b>39,786</b> | <b>41,308</b> | <b>42,234</b> | <b>35,325</b> | <b>32,954</b> | <b>28,488</b> | <b>29,141</b> | <b>22,372</b> | <b>21,405</b> | <b>18,757</b> |

SUMBER *Source*: MALAYSIA AIRPORTS HOLDINGS BERHAD (MAHB), SENAI AIRPORT TERMINAL SERVICES SDN BHD (SATS)

JADUAL 4.9: JUMLAH MEL YANG DIKENDALIKAN MENGIKUT LAPANGAN TERBANG, MALAYSIA, 2022

Table 4.9: Total Mail Handled by Airports, Malaysia, 2022

METRIC TONNES

| LAPANGAN TERBANG<br><i>Airports</i> | DALAM NEGERI<br><i>Domestic</i> |                           |                        | ANTARABANGSA<br><i>International</i> |                           |                        | JUMLAH<br><i>Total</i>      |                           |                        | TRANSIT<br><i>Transit</i>       |                                      |                        | PERBANDINGAN TAHUN KE TAHUN<br><i>Year on Year Comparison</i> |               |               |
|-------------------------------------|---------------------------------|---------------------------|------------------------|--------------------------------------|---------------------------|------------------------|-----------------------------|---------------------------|------------------------|---------------------------------|--------------------------------------|------------------------|---------------------------------------------------------------|---------------|---------------|
|                                     | DIHANTAR<br><i>Unloaded</i>     | DIANGKUT<br><i>Loaded</i> | JUMLAH<br><i>Total</i> | DIHANTAR<br><i>Unloaded</i>          | DIANGKUT<br><i>Loaded</i> | JUMLAH<br><i>Total</i> | DIHANTAR<br><i>Unloaded</i> | DIANGKUT<br><i>Loaded</i> | JUMLAH<br><i>Total</i> | DALAM NEGERI<br><i>Domestic</i> | ANTARABANGSA<br><i>International</i> | JUMLAH<br><i>Total</i> | 2022                                                          | 2021          | %<br>+/-      |
| KLIA TERMINAL 1                     | 8                               | 17                        | 25                     | 8,700                                | 7,064                     | 15,764                 | 8,708                       | 7,081                     | 15,790                 | -                               | 145                                  | 145                    | 15,935                                                        | 16,647        | -4.3%         |
| KLIA TERMINAL 2                     | *                               | *                         | *                      | 3                                    | -                         | 3                      | 3                           | *                         | 3                      | -                               | -                                    | -                      | 3                                                             | -             | -             |
| PULAU PINANG                        | 1                               | 7                         | 8                      | *                                    | *                         | *                      | 2                           | 7                         | 9                      | 8                               | *                                    | 9                      | 17                                                            | 2             | 807.3%        |
| KOTA KINABALU                       | 10                              | 2                         | 12                     | 2                                    | *                         | 2                      | 12                          | 2                         | 14                     | -                               | 1                                    | 1                      | 15                                                            | 20            | -27.0%        |
| KUCHING                             | 15                              | 14                        | 29                     | -                                    | 2                         | 2                      | 15                          | 15                        | 30                     | -                               | 1                                    | 1                      | 31                                                            | 37            | -15.6%        |
| LANGKAWI                            | *                               | -                         | *                      | -                                    | -                         | -                      | *                           | -                         | *                      | -                               | -                                    | -                      | *                                                             | *             | 7550.0%       |
| JOHOR BAHRU                         | -                               | 1,212                     | 1,212                  | 1,680                                | -                         | 1,680                  | 1,680                       | 1,212                     | 2,892                  | -                               | -                                    | -                      | 2,892                                                         | 4,965         | -41.8%        |
| KOTA BHARU                          | *                               | -                         | *                      | -                                    | -                         | -                      | *                           | -                         | *                      | -                               | -                                    | -                      | *                                                             | *             | 67.9%         |
| IPOH                                | -                               | -                         | -                      | -                                    | -                         | -                      | -                           | -                         | -                      | -                               | -                                    | -                      | -                                                             | -             | -             |
| KUALA TERENGGANU                    | -                               | -                         | -                      | -                                    | -                         | -                      | -                           | -                         | -                      | -                               | -                                    | -                      | -                                                             | -             | -             |
| ALOR SETAR                          | -                               | *                         | *                      | -                                    | -                         | -                      | -                           | *                         | *                      | -                               | -                                    | -                      | *                                                             | -             | -             |
| MELAKA                              | -                               | -                         | -                      | -                                    | -                         | -                      | -                           | -                         | -                      | -                               | -                                    | -                      | -                                                             | -             | -             |
| SUBANG                              | -                               | *                         | *                      | -                                    | -                         | -                      | -                           | *                         | *                      | -                               | -                                    | -                      | *                                                             | -             | -             |
| KUANTAN                             | *                               | -                         | *                      | -                                    | -                         | -                      | *                           | -                         | *                      | -                               | -                                    | -                      | *                                                             | -             | -             |
| TIOMAN                              | *                               | -                         | *                      | -                                    | -                         | -                      | *                           | -                         | *                      | -                               | -                                    | -                      | *                                                             | -             | -             |
| PANGKOR                             | *                               | -                         | *                      | -                                    | -                         | -                      | *                           | *                         | *                      | -                               | -                                    | -                      | *                                                             | -             | -             |
| LABUAN                              | *                               | 1                         | 1                      | -                                    | -                         | -                      | *                           | 1                         | 1                      | -                               | -                                    | -                      | 1                                                             | 4             | -72.6%        |
| LAHAD DATU                          | -                               | -                         | -                      | -                                    | -                         | -                      | -                           | -                         | -                      | -                               | -                                    | -                      | -                                                             | -             | -             |
| SANDAKAN                            | 1                               | *                         | 1                      | -                                    | -                         | -                      | 1                           | *                         | 1                      | -                               | -                                    | -                      | 1                                                             | 1             | -31.7%        |
| TAWAU                               | *                               | -                         | *                      | -                                    | -                         | -                      | *                           | -                         | *                      | -                               | 1                                    | 1                      | 2                                                             | 5             | -69.6%        |
| BINTULU                             | *                               | -                         | *                      | -                                    | -                         | -                      | *                           | -                         | *                      | -                               | -                                    | -                      | *                                                             | *             | 137.7%        |
| MIRI                                | *                               | 10                        | 10                     | -                                    | -                         | -                      | *                           | 10                        | 10                     | *                               | -                                    | *                      | 10                                                            | 24            | -59.5%        |
| SIBU                                | 1                               | *                         | 1                      | -                                    | -                         | -                      | 1                           | *                         | 1                      | -                               | -                                    | -                      | 1                                                             | *             | 246.7%        |
| MULU                                | 3                               | *                         | 4                      | -                                    | -                         | -                      | 3                           | *                         | 4                      | -                               | -                                    | -                      | 4                                                             | 5             | -27.9%        |
| LIMBANG                             | -                               | 1                         | 1                      | -                                    | -                         | -                      | -                           | 1                         | 1                      | -                               | -                                    | -                      | 1                                                             | 1             | 3.0%          |
| MUKAH                               | -                               | 1                         | 1                      | -                                    | -                         | -                      | -                           | 1                         | 1                      | -                               | -                                    | -                      | 1                                                             | *             | 17666.7%      |
| STOL SABAH                          | -                               | -                         | -                      | -                                    | -                         | -                      | -                           | -                         | -                      | -                               | -                                    | -                      | -                                                             | -             | -             |
| STOL SARAWAK                        | -                               | -                         | -                      | -                                    | -                         | -                      | -                           | -                         | -                      | -                               | -                                    | -                      | -                                                             | -             | -             |
| SEMENANJUNG <i>Peninsular</i>       | 9                               | 1,237                     | 1,246                  | 10,384                               | 7,064                     | 17,448                 | 10,393                      | 8,301                     | 18,694                 | 8                               | 146                                  | 154                    | 18,847                                                        | 21,614        | -12.8%        |
| SABAH                               | 11                              | 3                         | 14                     | 2                                    | 0                         | 2                      | 13                          | 3                         | 16                     | -                               | 2                                    | 2                      | 18                                                            | 30            | -40.1%        |
| SARAWAK                             | 20                              | 26                        | 46                     | -                                    | 2                         | 2                      | 20                          | 28                        | 47                     | 0                               | 1                                    | 1                      | 49                                                            | 68            | -28.7%        |
| <b>JUMLAH Total</b>                 | <b>40</b>                       | <b>1,265</b>              | <b>1,306</b>           | <b>10,385</b>                        | <b>7,066</b>              | <b>17,451</b>          | <b>10,426</b>               | <b>8,331</b>              | <b>18,757</b>          | <b>8</b>                        | <b>149</b>                           | <b>157</b>             | <b>18,914</b>                                                 | <b>21,712</b> | <b>-12.9%</b> |

SUMBER Source: MALAYSIA AIRPORTS HOLDINGS BERHAD (MAHB), SENAI AIRPORT TERMINAL SERVICES SDN BHD (SATS)

JADUAL 4.10: JUMLAH PERGERAKAN PESAWAT PERDAGANGAN YANG DIKENDALIKAN MENGIKUT LAPANGAN TERBANG, MALAYSIA, 2013-2022

Table 4.10: Total Commercial Aircraft Movements Handled by Airports, Malaysia, 2013-2022

| LAPANGAN TERBANG <i>Airports</i> | 2013           | 2014           | 2015           | 2016           | 2017           | 2018           | 2019           | 2020           | 2021           | 2022           |
|----------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| KLIA TERMINAL 1                  | 325,537        | 176,947        | 172,668        | 186,569        | 202,326        | 201,106        | 200,831        | 68,633         | 56,434         | 117,161        |
| KLIA TERMINAL 2                  | -              | 162,703        | 180,602        | 168,950        | 183,728        | 197,646        | 206,484        | 55,896         | 17,239         | 81,141         |
| PULAU PINANG                     | 56,760         | 63,396         | 64,527         | 64,428         | 69,157         | 73,462         | 78,400         | 28,497         | 15,978         | 46,257         |
| KOTA KINABALU                    | 67,601         | 68,776         | 66,945         | 69,292         | 71,922         | 77,516         | 82,125         | 29,214         | 21,126         | 49,762         |
| KUCHING                          | 53,095         | 50,917         | 50,738         | 48,562         | 48,034         | 54,177         | 53,610         | 25,069         | 18,308         | 42,126         |
| LANGKAWI                         | 17,675         | 21,722         | 22,232         | 23,797         | 24,807         | 23,708         | 25,673         | 10,385         | 7,483          | 20,673         |
| JOHOR BAHRU                      | 37,998         | 42,976         | 41,892         | 42,557         | 46,497         | 52,030         | 58,313         | 21,481         | 8,988          | 19,596         |
| KOTA BHARU                       | 20,527         | 25,028         | 28,228         | 26,666         | 27,067         | 22,361         | 24,514         | 13,117         | 9,527          | 19,027         |
| IPOH                             | 1,464          | 1,960          | 3,684          | 3,632          | 3,632          | 3,932          | 3,788          | 1,445          | 994            | 3,051          |
| KUALA TERENGGANU                 | 7,365          | 9,659          | 10,625         | 11,049         | 11,314         | 10,462         | 10,816         | 5,090          | 3,193          | 8,075          |
| ALOR SETAR                       | 5,795          | 8,421          | 9,472          | 10,260         | 10,801         | 9,544          | 10,312         | 4,288          | 3,036          | 6,730          |
| MELAKA                           | 580            | 320            | 1,536          | 1,294          | 1,714          | 1,480          | 2,502          | 478            | -              | 532            |
| SUBANG                           | 41,707         | 56,629         | 62,911         | 61,450         | 67,351         | 50,125         | 52,082         | 29,091         | 22,352         | 43,110         |
| KUANTAN                          | 3,289          | 3,572          | 3,906          | 3,186          | 2,698          | 2,818          | 3,849          | 978            | 327            | 1,227          |
| TIOMAN                           | 1,538          | 272            | -              | -              | -              | -              | -              | -              | 6              | 603            |
| PANGKOR                          | 258            | 8              | -              | -              | -              | -              | -              | -              | 6              | 90             |
| REDANG                           | 955            | 430            | -              | -              | -              | 6              | -              | 316            | 167            | 775            |
| LABUAN                           | 15,072         | 15,533         | 13,168         | 10,924         | 10,134         | 10,617         | 12,106         | 5,987          | 3,586          | 7,875          |
| LAHAD DATU                       | 3,321          | 3,689          | 3,646          | 3,455          | 3,014          | 2,902          | 4,620          | 2,504          | 1,792          | 3,238          |
| SANDAKAN                         | 11,536         | 11,715         | 11,267         | 10,820         | 9,901          | 10,571         | 11,401         | 5,289          | 2,968          | 7,231          |
| TAWAU                            | 11,784         | 12,832         | 12,401         | 11,687         | 11,763         | 14,353         | 14,635         | 6,351          | 5,070          | 11,054         |
| BINTULU                          | 12,428         | 12,246         | 12,197         | 11,807         | 11,526         | 12,654         | 12,439         | 6,235          | 3,537          | 7,978          |
| MIRI                             | 44,875         | 46,504         | 45,039         | 42,633         | 38,392         | 42,527         | 42,076         | 24,902         | 20,326         | 35,225         |
| SIBU                             | 17,196         | 17,878         | 18,252         | 17,156         | 16,588         | 18,573         | 16,753         | 7,120          | 3,538          | 12,002         |
| MULU                             | 2,306          | 2,701          | 2,381          | 2,375          | 2,221          | 2,318          | 2,800          | 1,208          | 746            | 2,728          |
| LIMBANG                          | 2,075          | 2,154          | 2,226          | 2,647          | 1,974          | 2,240          | 3,110          | 2,372          | 2,331          | 3,911          |
| MUKAH                            | 2,996          | 3,370          | 3,258          | 4,482          | 4,234          | 4,360          | 4,318          | 3,150          | 3,110          | 3,534          |
| STOL SABAH                       | 231            | 226            | 440            | 608            | 536            | 624            | 408            | 214            | -              | -              |
| STOL SARAWAK                     | 9,890          | 11,954         | 13,197         | 13,855         | 13,278         | 13,872         | 13,791         | 10,958         | 12,171         | 14,302         |
| SEMANAJUNG <i>Peninsular</i>     | 521,448        | 574,043        | 602,283        | 603,838        | 651,092        | 648,680        | 677,564        | 239,695        | 145,730        | 368,048        |
| SABAH                            | 109,545        | 112,771        | 107,867        | 106,786        | 107,270        | 116,583        | 125,295        | 49,559         | 34,542         | 79,160         |
| SARAWAK                          | 144,861        | 147,724        | 147,288        | 143,517        | 136,247        | 150,721        | 148,897        | 81,014         | 64,067         | 121,806        |
| <b>JUMLAH Total</b>              | <b>775,854</b> | <b>834,538</b> | <b>857,438</b> | <b>854,141</b> | <b>894,609</b> | <b>915,984</b> | <b>951,756</b> | <b>370,268</b> | <b>244,339</b> | <b>569,014</b> |

SUMBER *Source* : MALAYSIA AIRPORTS HOLDINGS BERHAD (MAHB), SENAI AIRPORT TERMINAL SERVICES SDN BHD (SATS)

JADUAL 4.11: JUMLAH PERGERAKAN PESAWAT PERDAGANGAN YANG DIKENDALIKAN MENGIKUT LAPANGAN TERBANG, MALAYSIA, 2022

Table 4.11: Total Commercial Aircraft Movements Handled by Airports, Malaysia, 2022

| LAPANGAN TERBANG<br><i>Airports</i> | DALAM NEGERI<br><i>Domestic</i> |                                         |                        | ANTARABANGSA<br><i>International</i> |                                         |                        | JUMLAH<br><i>Total</i>        |                                         |                        | PERBANDINGAN TAHUN KE TAHUN<br><i>Year on Year Comparison</i> |                |               |
|-------------------------------------|---------------------------------|-----------------------------------------|------------------------|--------------------------------------|-----------------------------------------|------------------------|-------------------------------|-----------------------------------------|------------------------|---------------------------------------------------------------|----------------|---------------|
|                                     | BERJADUAL<br><i>Scheduled</i>   | TIDAK BERJADUAL<br><i>Non Scheduled</i> | JUMLAH<br><i>Total</i> | BERJADUAL<br><i>Scheduled</i>        | TIDAK BERJADUAL<br><i>Non Scheduled</i> | JUMLAH<br><i>Total</i> | BERJADUAL<br><i>Scheduled</i> | TIDAK BERJADUAL<br><i>Non Scheduled</i> | JUMLAH<br><i>Total</i> | 2022                                                          | 2021           | %<br>+/-      |
| KLIA TERMINAL 1                     | 41,380                          | 234                                     | 41,614                 | 69,414                               | 6,133                                   | 75,547                 | 110,794                       | 6,367                                   | 117,161                | 117,161                                                       | 56,434         | 107.6%        |
| KLIA TERMINAL 2                     | 45,842                          | 18                                      | 45,860                 | 34,408                               | 873                                     | 35,281                 | 80,250                        | 891                                     | 81,141                 | 81,141                                                        | 17,239         | 370.7%        |
| PULAU PINANG                        | 30,531                          | 2                                       | 30,533                 | 15,724                               | -                                       | 15,724                 | 46,255                        | 2                                       | 46,257                 | 46,257                                                        | 15,978         | 189.5%        |
| KOTA KINABALU                       | 37,188                          | 8,502                                   | 45,690                 | 2,941                                | 1,131                                   | 4,072                  | 40,129                        | 9,633                                   | 49,762                 | 49,762                                                        | 21,126         | 135.5%        |
| KUCHING                             | 37,028                          | 3,050                                   | 40,078                 | 1,881                                | 167                                     | 2,048                  | 38,909                        | 3,217                                   | 42,126                 | 42,126                                                        | 18,308         | 130.1%        |
| LANGKAWI                            | 19,482                          | 378                                     | 19,860                 | 707                                  | 106                                     | 813                    | 20,189                        | 484                                     | 20,673                 | 20,673                                                        | 7,483          | 176.3%        |
| JOHOR BAHRU                         | 18,356                          | 12,474                                  | 30,830                 | 1,240                                | 873                                     | 2,113                  | 19,596                        | 13,347                                  | 32,943                 | 32,943                                                        | 8,988          | 266.5%        |
| KOTA BHARU                          | 15,268                          | 3,740                                   | 19,008                 | -                                    | 19                                      | 19                     | 15,268                        | 3,759                                   | 19,027                 | 19,027                                                        | 9,527          | 99.7%         |
| IPOH                                | 1,004                           | 506                                     | 1,510                  | 1,488                                | 53                                      | 1,541                  | 2,492                         | 559                                     | 3,051                  | 3,051                                                         | 994            | 206.9%        |
| KUALA TERENGGANU                    | 7,946                           | 125                                     | 8,071                  | -                                    | 4                                       | 4                      | 7,946                         | 129                                     | 8,075                  | 8,075                                                         | 3,193          | 152.9%        |
| ALOR SETAR                          | 6,730                           | -                                       | 6,730                  | -                                    | -                                       | -                      | 6,730                         | -                                       | 6,730                  | 6,730                                                         | 3,036          | 121.7%        |
| MELAKA                              | 224                             | 35                                      | 259                    | 220                                  | 53                                      | 273                    | 444                           | 88                                      | 532                    | 532                                                           | -              | -             |
| SUBANG                              | 34,558                          | 1,589                                   | 36,147                 | 4,943                                | 2,020                                   | 6,963                  | 39,501                        | 3,609                                   | 43,110                 | 43,110                                                        | 22,352         | 92.9%         |
| KUANTAN                             | 1,071                           | 124                                     | 1,195                  | 28                                   | 4                                       | 32                     | 1,099                         | 128                                     | 1,227                  | 1,227                                                         | 327            | 275.2%        |
| TIOMAN                              | 510                             | 56                                      | 566                    | -                                    | 37                                      | 37                     | 510                           | 93                                      | 603                    | 603                                                           | 6              | 9950.0%       |
| PANGKOR                             | 90                              | -                                       | 90                     | -                                    | -                                       | -                      | 90                            | -                                       | 90                     | 90                                                            | 6              | 1400.0%       |
| REDANG                              | 753                             | 22                                      | 775                    | -                                    | -                                       | -                      | 753                           | 22                                      | 775                    | 775                                                           | 167            | 364.1%        |
| LABUAN                              | 7,178                           | 593                                     | 7,771                  | 102                                  | 2                                       | 104                    | 7,280                         | 595                                     | 7,875                  | 7,875                                                         | 3,586          | 119.6%        |
| LAHAD DATU                          | 3,160                           | 78                                      | 3,238                  | -                                    | -                                       | -                      | 3,160                         | 78                                      | 3,238                  | 3,238                                                         | 1,792          | 80.7%         |
| SANDAKAN                            | 7,036                           | 194                                     | 7,230                  | -                                    | 1                                       | 1                      | 7,036                         | 195                                     | 7,231                  | 7,231                                                         | 2,968          | 143.6%        |
| TAWAU                               | 10,696                          | 240                                     | 10,936                 | 114                                  | 4                                       | 118                    | 10,810                        | 244                                     | 11,054                 | 11,054                                                        | 5,070          | 118.0%        |
| BINTULU                             | 6,932                           | 1,040                                   | 7,972                  | -                                    | 6                                       | 6                      | 6,932                         | 1,046                                   | 7,978                  | 7,978                                                         | 3,537          | 125.6%        |
| MIRI                                | 28,135                          | 6,607                                   | 34,742                 | 476                                  | 7                                       | 483                    | 28,611                        | 6,614                                   | 35,225                 | 35,225                                                        | 20,326         | 73.3%         |
| SIBU                                | 11,954                          | 30                                      | 11,984                 | 18                                   | -                                       | 18                     | 11,972                        | 30                                      | 12,002                 | 12,002                                                        | 3,538          | 239.2%        |
| MULU                                | 2,588                           | 140                                     | 2,728                  | -                                    | -                                       | -                      | 2,588                         | 140                                     | 2,728                  | 2,728                                                         | 746            | 265.7%        |
| LIMBANG                             | 3,609                           | 302                                     | 3,911                  | -                                    | -                                       | -                      | 3,609                         | 302                                     | 3,911                  | 3,911                                                         | 2,331          | 67.8%         |
| MUKAH                               | 3,326                           | 208                                     | 3,534                  | -                                    | -                                       | -                      | 3,326                         | 208                                     | 3,534                  | 3,534                                                         | 3,110          | 13.6%         |
| STOL SABAH                          | -                               | -                                       | -                      | -                                    | -                                       | -                      | -                             | -                                       | -                      | -                                                             | -              | -             |
| STOL SARAWAK                        | 13,384                          | 918                                     | 14,302                 | -                                    | -                                       | -                      | 13,384                        | 918                                     | 14,302                 | 14,302                                                        | 12,171         | 17.5%         |
| SEMANANJUNG <i>Peninsular</i>       | 223,745                         | 19,303                                  | 243,048                | 128,172                              | 10,175                                  | 138,347                | 351,917                       | 29,478                                  | 381,395                | 381,395                                                       | 145,730        | 161.7%        |
| SABAH                               | 65,258                          | 9,607                                   | 74,865                 | 3,157                                | 1,138                                   | 4,295                  | 68,415                        | 10,745                                  | 79,160                 | 79,160                                                        | 34,542         | 129.2%        |
| SARAWAK                             | 106,956                         | 12,295                                  | 119,251                | 2,375                                | 180                                     | 2,555                  | 109,331                       | 12,475                                  | 121,806                | 121,806                                                       | 64,067         | 90.1%         |
| <b>JUMLAH Total</b>                 | <b>395,959</b>                  | <b>41,205</b>                           | <b>437,164</b>         | <b>133,704</b>                       | <b>11,493</b>                           | <b>145,197</b>         | <b>529,663</b>                | <b>52,698</b>                           | <b>582,361</b>         | <b>582,361</b>                                                | <b>244,339</b> | <b>138.3%</b> |

SUMBER *Source* : MALAYSIA AIRPORTS HOLDINGS BERHAD (MAHB), SENAI AIRPORT TERMINAL SERVICES SDN BHD (SATS)

JADUAL 4.12: PERGERAKAN TRAFIK DI ANTARA LAPANGAN TERBANG MALAYSIA (TERMASUK SINGAPURA), 2022  
Table 4.12: Traffic Movements Between Malaysian Airports (Including Singapore), 2022

| SEKTOR<br><i>Sector</i> |   |               | PENUMPANG<br><i>Passenger</i> |           |                        | KARGO(KG)<br><i>Cargo (KG)</i> |            |                        | MEL (KG)<br><i>Mail (KG)</i> |           |                        |
|-------------------------|---|---------------|-------------------------------|-----------|------------------------|--------------------------------|------------|------------------------|------------------------------|-----------|------------------------|
| A                       | - | B             | (A-B)                         | (B-A)     | JUMLAH<br><i>Total</i> | (A-B)                          | (B-A)      | JUMLAH<br><i>Total</i> | (A-B)                        | (B-A)     | JUMLAH<br><i>Total</i> |
| KUALA LUMPUR            | - | ALOR SETAR    | 161,179                       | 156,657   | 317,836                | 2,039                          | 2,658      | 4,697                  | 3                            | -         | 3                      |
| KUALA LUMPUR            | - | IPOH          | -                             | -         | -                      | -                              | -          | -                      | -                            | -         | -                      |
| KUALA LUMPUR            | - | JOHOR BAHRU   | 161,279                       | 176,010   | 337,289                | 543,770                        | 857,442    | 1,401,212              | -                            | 1,214,111 | 1,214,111              |
| KUALA LUMPUR            | - | KOTA BHARU    | 397,265                       | 387,321   | 784,586                | 5,392                          | 70,097     | 75,489                 | -                            | 94        | 94                     |
| KUALA LUMPUR            | - | KOTA KINABALU | 1,098,429                     | 1,073,175 | 2,171,604              | 6,934,598                      | 34,710,802 | 41,645,400             | 1,596                        | 643       | 2,239                  |
| KUALA LUMPUR            | - | TERENGGANU    | 211,204                       | 204,087   | 415,291                | 594                            | 5,283      | 5,877                  | -                            | -         | -                      |
| KUALA LUMPUR            | - | KUANTAN       | 51,538                        | 48,846    | 100,384                | 5                              | 2,107      | 2,112                  | -                            | 1         | 1                      |
| KUALA LUMPUR            | - | KUCHING       | 879,599                       | 877,365   | 1,756,964              | 7,642,884                      | 31,577,981 | 39,220,865             | 5,400                        | 13,765    | 19,165                 |
| KUALA LUMPUR            | - | LABUAN        | 129,528                       | 130,453   | 259,981                | 434,437                        | 1,873,053  | 2,307,490              | 814                          | 15        | 829                    |
| KUALA LUMPUR            | - | LANGKAWI      | 739,072                       | 732,439   | 1,471,511              | 2,533                          | 135,957    | 138,490                | -                            | 153       | 153                    |
| KUALA LUMPUR            | - | MIRI          | 266,780                       | 262,138   | 528,918                | 569,039                        | 6,519,463  | 7,088,502              | -                            | 30        | 30                     |
| KUALA LUMPUR            | - | PULAU PINANG  | 528,455                       | 516,440   | 1,044,895              | 2,964,175                      | 6,169,431  | 9,133,606              | 6                            | 1,280     | 1,286                  |
| KUALA LUMPUR            | - | SINGAPURA     | 1,145,912                     | 1,223,660 | 2,369,572              | 10,529,384                     | 13,242,285 | 23,771,669             | 188,357                      | 105,198   | 293,555                |
| KUALA LUMPUR            | - | SIBU          | 248,095                       | 245,834   | 493,929                | 264,736                        | 2,470,848  | 2,735,584              | -                            | 854       | 854                    |
| KUALA LUMPUR            | - | TAWAU         | 380,716                       | 370,282   | 750,998                | 10,733,375                     | 2,638,594  | 13,371,969             | -                            | 261       | 261                    |
| JOHOR BAHRU             | - | SUBANG        | 95,906                        | 94,356    | 190,262                | 292                            | 74         | 366                    | -                            | -         | -                      |
| JOHOR BAHRU             | - | PENANG        | 298,797                       | 288,197   | 586,994                | 20,945                         | 5,788      | 26,733                 | -                            | -         | -                      |
| JOHOR BAHRU             | - | ALOR SETAR    | 22,053                        | 22,375    | 44,428                 | -                              | -          | -                      | -                            | -         | -                      |
| JOHOR BAHRU             | - | LANGKAWI      | 47,377                        | 47,110    | 94,487                 | -                              | -          | -                      | -                            | -         | -                      |
| JOHOR BAHRU             | - | IPOH          | 44,710                        | 44,659    | 89,369                 | -                              | -          | -                      | -                            | -         | -                      |
| JOHOR BAHRU             | - | SIBU          | 48,549                        | 51,348    | 99,897                 | 152,499                        | 43,526     | 196,025                | -                            | -         | -                      |
| JOHOR BAHRU             | - | TAWAU         | 29,327                        | 30,708    | 60,035                 | 28,664                         | 695,680    | 724,344                | -                            | -         | -                      |
| JOHOR BAHRU             | - | KOTA BHARU    | 20,110                        | 19,630    | 39,740                 | -                              | -          | -                      | -                            | -         | -                      |
| PULAU PINANG            | - | LANGKAWI      | 20,110                        | 19,630    | 39,740                 | -                              | -          | -                      | -                            | -         | -                      |

SUMBER *Source* : MALAYSIA AIRPORTS HOLDINGS BERHAD (MAHB), SENAI AIRPORT TERMINAL SERVICES SDN BHD (SATS)

JADUAL 4.12: PERGERAKAN TRAFIK DI ANTARA LAPANGAN TERBANG MALAYSIA (TERMASUK SINGAPURA), 2022 (SAMB)  
 Table 4.12: Traffic Movements Between Malaysian Airports (Including Singapore), 2022 (Cont'd)

| SEKTOR<br><i>Sector</i> |   |              | PENUMPANG<br><i>Passenger</i> |         |                        | KARGO(KG)<br><i>Cargo (KG)</i> |           |                        | MEL (KG)<br><i>Mail (KG)</i> |       |                        |
|-------------------------|---|--------------|-------------------------------|---------|------------------------|--------------------------------|-----------|------------------------|------------------------------|-------|------------------------|
| A                       | - | B            | (A-B)                         | (B-A)   | JUMLAH<br><i>Total</i> | (A-B)                          | (B-A)     | JUMLAH<br><i>Total</i> | (A-B)                        | (B-A) | JUMLAH<br><i>Total</i> |
| PULAU PINANG            | - | SINGAPURA    | 329,658                       | 348,676 | 678,334                | 9,658,352                      | 4,258,752 | 13,917,104             | -                            | 2     | 2                      |
| KOTA KINABALU           | - | JOHOR BAHRU  | 112,579                       | 117,655 | 230,234                | 366,649                        | 666,483   | 1,033,132              | -                            | -     | -                      |
| KOTA KINABALU           | - | TAWAU        | 274,572                       | 266,189 | 540,761                | 668,337                        | 2,728,413 | 3,396,750              | -                            | -     | -                      |
| KOTA KINABALU           | - | LABUAN       | 52,431                        | 51,486  | 103,917                | 141,365                        | 67,113    | 208,478                | 138                          | 1     | 139                    |
| KOTA KINABALU           | - | LAHAD DATU   | 57,705                        | 54,321  | 112,026                | 28,905                         | 74,734    | 103,639                | -                            | -     | -                      |
| KOTA KINABALU           | - | MIRI         | 78,738                        | 77,895  | 156,633                | 208,145                        | 228,437   | 436,582                | -                            | -     | -                      |
| KOTA KINABALU           | - | SIBU         | 40,434                        | 39,875  | 80,309                 | 1,697                          | 16,553    | 18,250                 | -                            | -     | -                      |
| KOTA KINABALU           | - | KUCHING      | 202,130                       | 202,100 | 404,230                | 1,549,701                      | 2,621,361 | 4,171,062              | 8,454                        | -     | 8,454                  |
| KOTA KINABALU           | - | SINGAPURA    | 71,335                        | 71,719  | 143,054                | 44,473                         | 99,813    | 144,286                | -                            | -     | -                      |
| KUCHING                 | - | JOHOR BAHRU  | 118,622                       | 116,359 | 234,981                | 349,468                        | 798,433   | 1,147,901              | -                            | -     | -                      |
| KUCHING                 | - | PULAU PINANG | 137,958                       | 143,494 | 281,452                | 192,740                        | 114,263   | 307,003                | -                            | -     | -                      |
| KUCHING                 | - | SINGAPURA    | 87,426                        | 90,808  | 178,234                | 112,118                        | 53,821    | 165,939                | -                            | 1,443 | 1,443                  |
| BINTULU                 | - | MIRI         | 6,746                         | 8,996   | 15,742                 | 2,060                          | 2,044     | 4,104                  | 40                           | -     | 40                     |
| MIRI                    | - | LABUAN       | 42,108                        | 45,586  | 87,694                 | 3,968                          | 9,589     | 13,557                 | -                            | -     | -                      |
| LANGKAWI                | - | SINGAPURA    | 42,909                        | 44,563  | 87,472                 | 34,506                         | 33,210    | 67,716                 | -                            | -     | -                      |
| MIRI                    | - | JOHOR BAHRU  | 14,986                        | 14,767  | 29,753                 | 708                            | 231,549   | 232,257                | -                            | -     | -                      |

SUMBER *Source*: MALAYSIA AIRPORTS HOLDINGS BERHAD (MAHB), SENAI AIRPORT TERMINAL SERVICES SDN BHD (SATS)

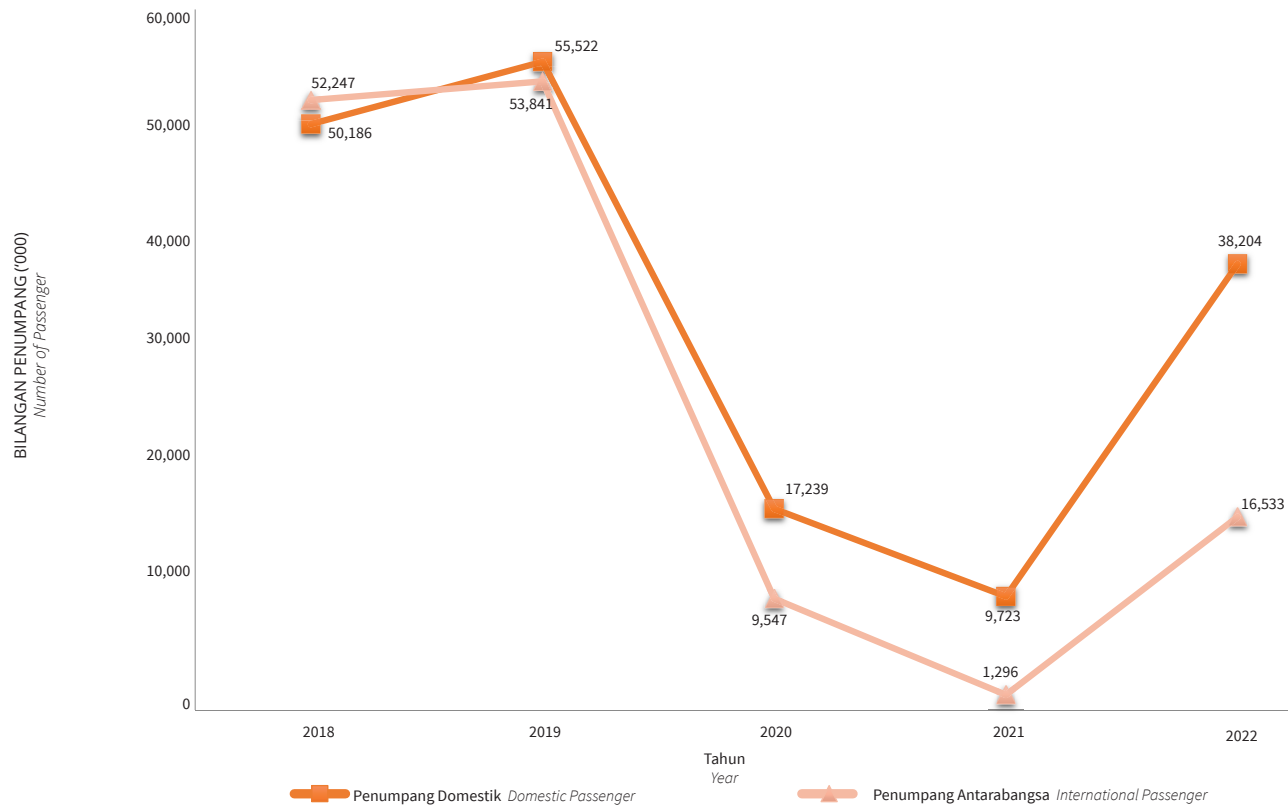
JADUAL 4.13: PERGERAKAN TRAFIK UNTUK PERKHIDMATAN UDARA LUAR BANDAR, SABAH DAN SARAWAK, 2022

Table 4.13: Traffic Movements for Rural Air Services, Sabah and Sarawak, 2022

| SEKTOR <i>Sector</i> |   |               | PENUMPANG <i>Passenger</i> |         |                     | KARGO (KG) <i>Cargo (KG)</i> |         |                     | MEL (KG) <i>Mail (KG)</i> |       |                     |
|----------------------|---|---------------|----------------------------|---------|---------------------|------------------------------|---------|---------------------|---------------------------|-------|---------------------|
| A                    | - | B             | (A-B)                      | (B-A)   | JUMLAH <i>Total</i> | (A-B)                        | (B-A)   | JUMLAH <i>Total</i> | (A-B)                     | (B-A) | JUMLAH <i>Total</i> |
| SABAH                |   |               |                            |         |                     |                              |         |                     |                           |       |                     |
| BARIO                | - | MARUDI        | 2,263                      | 2,288   | 4,551               | 42,538                       | 216     | 42,754              | -                         | -     | -                   |
| BELAGA               | - | BINTULU       | -                          | -       | -                   | -                            | -       | -                   | -                         | -     | -                   |
| BINTULU              | - | MUKAH         | 437                        | 400     | 837                 | -                            | -       | -                   | 112                       | -     | 112                 |
| KOTA KINABALU        | - | KUDAT         | -                          | -       | -                   | -                            | -       | -                   | -                         | -     | -                   |
| KOTA KINABALU        | - | SANDAKAN      | 195,323                    | 186,725 | 382,048             | 8,984                        | 45,873  | 54,857              | -                         | -     | -                   |
| KOTA KINABALU        | - | BINTULU       | 22,352                     | 22,323  | 44,675              | 4,393                        | 13,068  | 17,461              | -                         | -     | -                   |
| KUDAT                | - | SANDAKAN      | -                          | -       | -                   | -                            | -       | -                   | -                         | -     | -                   |
| LAWAS                | - | KOTA KINABALU | 341                        | 728     | 1,069               | 153                          | -       | 153                 | -                         | 475   | 475                 |
| LIMBANG              | - | KOTA KINABALU | 1,607                      | 1,648   | 3,255               | 1                            | -       | 1                   | -                         | 610   | 610                 |
| MIRI                 | - | BARIO         | 5,774                      | 5,469   | 11,243              | 738                          | 16,433  | 17,171              | -                         | 6,611 | 6,611               |
| SANDAKAN             | - | TOMANGGONG    | -                          | -       | -                   | -                            | -       | -                   | -                         | -     | -                   |
| SANDAKAN             | - | TAWAU         | 10,602                     | 9,682   | 20,284              | 1,168                        | 11,770  | 12,938              | -                         | 70    | 70                  |
| JUMLAH <i>Total</i>  |   |               | 238,699                    | 229,263 | 467,962             | 57,975                       | 87,360  | 145,335             | 112                       | 7,766 | 7,878               |
| SARAWAK              |   |               |                            |         |                     |                              |         |                     |                           |       |                     |
| KUCHING              | - | BINTULU       | 164,165                    | 162,266 | 326,431             | 3,305                        | 70,289  | 73,594              | -                         | -     | -                   |
| KUCHING              | - | LABUAN        | -                          | -       | -                   | 14,286                       | 89,612  | 103,898             | -                         | -     | -                   |
| KUCHING              | - | MIRI          | 273,440                    | 271,013 | 544,453             | 302,947                      | 220,509 | 523,456             | -                         | 21    | 21                  |
| KUCHING              | - | SIBU          | 223,337                    | 220,026 | 443,363             | 397                          | 2,497   | 2,894               | -                         | -     | -                   |
| KUCHING              | - | MUKAH         | 25,801                     | 24,918  | 50,719              | 2,432                        | 13,167  | 15,599              | 498                       | -     | 498                 |
| LAWAS                | - | MIRI          | 28,117                     | 28,545  | 56,662              | 85,869                       | 42,637  | 128,506             | -                         | -     | -                   |
| LIMBANG              | - | MIRI          | 61,070                     | 60,469  | 121,539             | 219,205                      | 79,477  | 298,682             | -                         | -     | -                   |
| LIMBANG              | - | LAWAS         | 994                        | 1,079   | 2,073               | 1,758                        | 842     | 2,600               | -                         | -     | -                   |
| MARUDI               | - | MIRI          | 3,467                      | 4,053   | 7,520               | 1,922                        | 197     | 2,119               | -                         | -     | -                   |
| MIRI                 | - | MULU          | 16,982                     | 18,898  | 35,880              | 1,135                        | 223,945 | 225,080             | 52                        | 3,091 | 3,143               |
| MIRI                 | - | SIBU          | 41,394                     | 40,923  | 82,317              | 16,837                       | 17,889  | 34,726              | -                         | 50    | 50                  |
| MUKAH                | - | MIRI          | 3,739                      | 4,251   | 7,990               | 999                          | 152     | 1,151               | -                         | -     | -                   |
| MUKAH                | - | SIBU          | 955                        | 597     | 1,552               | -                            | 13      | 13                  | -                         | 456   | 456                 |
| SIBU                 | - | BINTULU       | 8,495                      | 9,372   | 17,867              | 13,231                       | 17,141  | 30,372              | -                         | 20    | 20                  |
| JUMLAH <i>Total</i>  |   |               | 851,956                    | 846,410 | 1,698,366           | 664,323                      | 778,367 | 1,442,690           | 550                       | 3,638 | 4,188               |

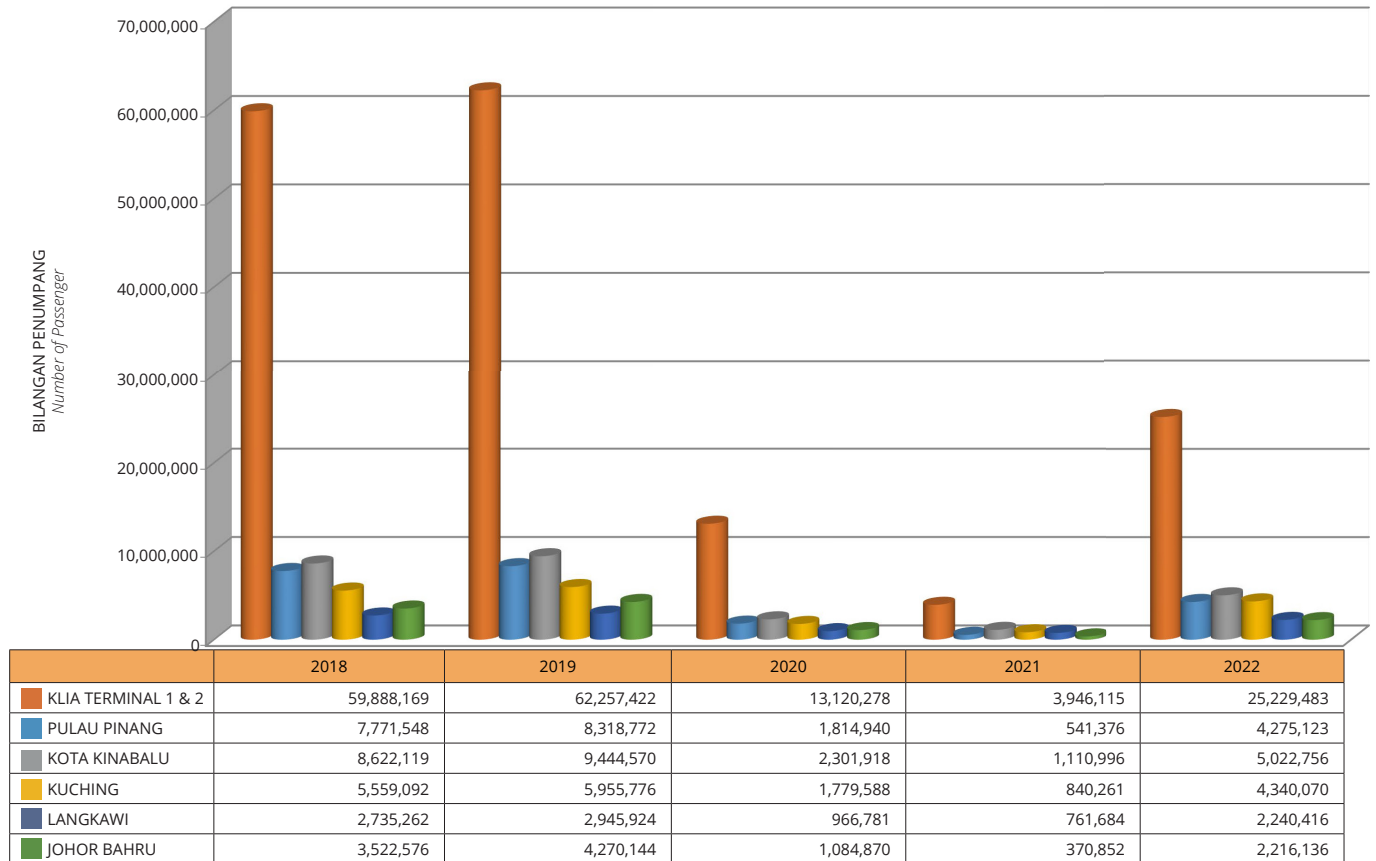
SUMBER *Source* : MALAYSIA AIRPORTS HOLDINGS BERHAD (MAHB)

CARTA 4.1: JUMLAH PENUMPANG DOMESTIK DAN ANTARABANGSA YANG DIKENDALIKAN DI LAPANGAN TERBANG, MALAYSIA, 2018-2022  
*Chart 4.1: Total Number of Domestic and International Passengers Handled by Airport, Malaysia, 2018-2022*

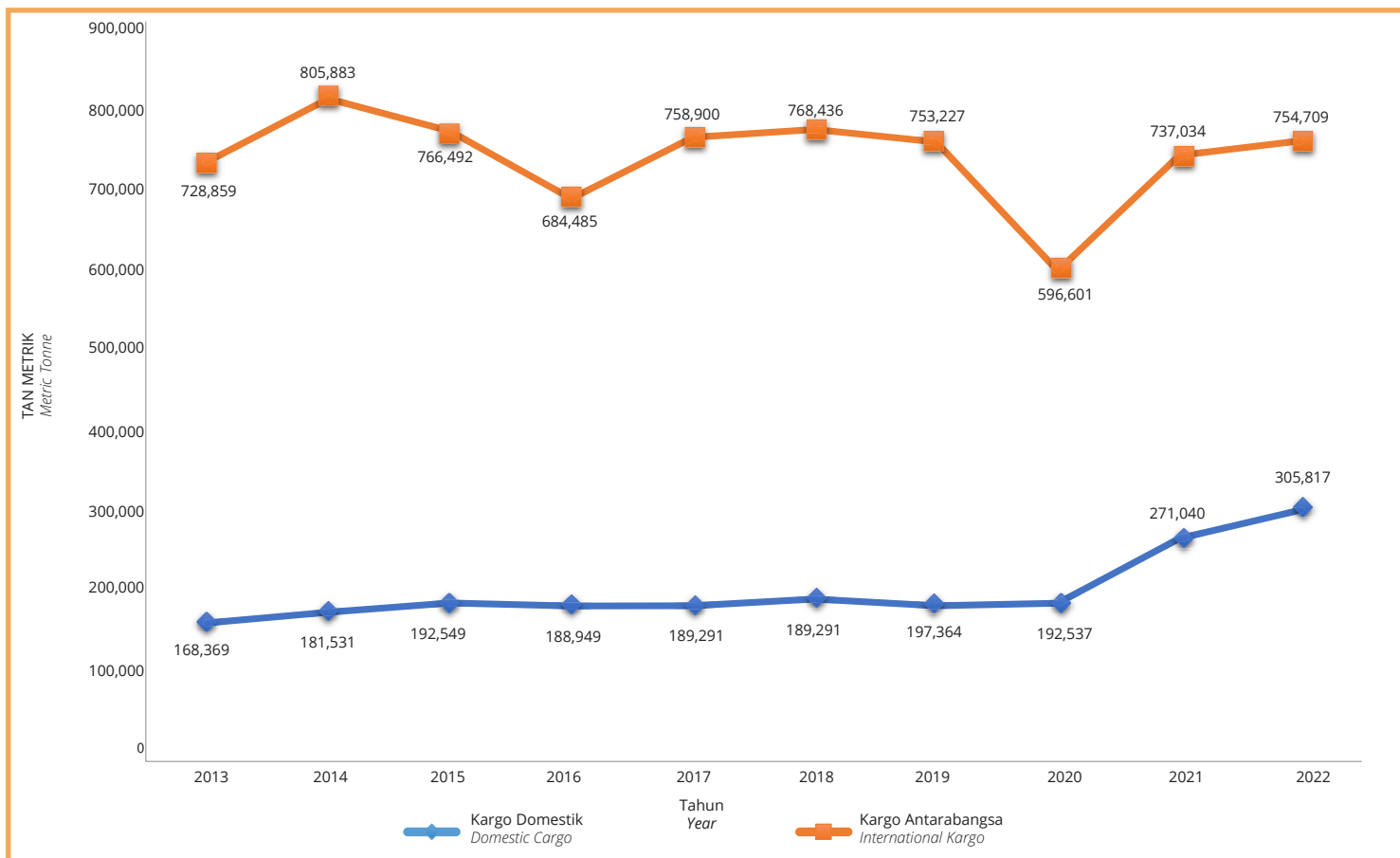


CARTA 4.2: JUMLAH PENUMPANG YANG DIKENDALIKAN OLEH LAPANGAN TERBANG ANTARABANGSA, MALAYSIA, 2018-2022

Chart 4.2: Total Passengers Handled by International Airport, Malaysia, 2018-2022



CARTA 4.3: JUMLAH KARGO DOMESTIK DAN ANTARABANGSA YANG DIKENDALIKAN DI LAPANGAN TERBANG, MALAYSIA, 2013-2022  
Chart 4.3: Total Domestic and International Cargo Handled by Airport, Malaysia, 2013-2022



CARTA 4.4: JUMLAH KARGO YANG DIKENDALIKAN OLEH LAPANGAN TERBANG ANTARABANGSA, MALAYSIA, 2018-2022  
 Chart 4.4: Total Cargo Handled by International Airports, Malaysia, 2018-2022

