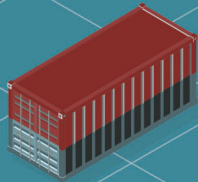
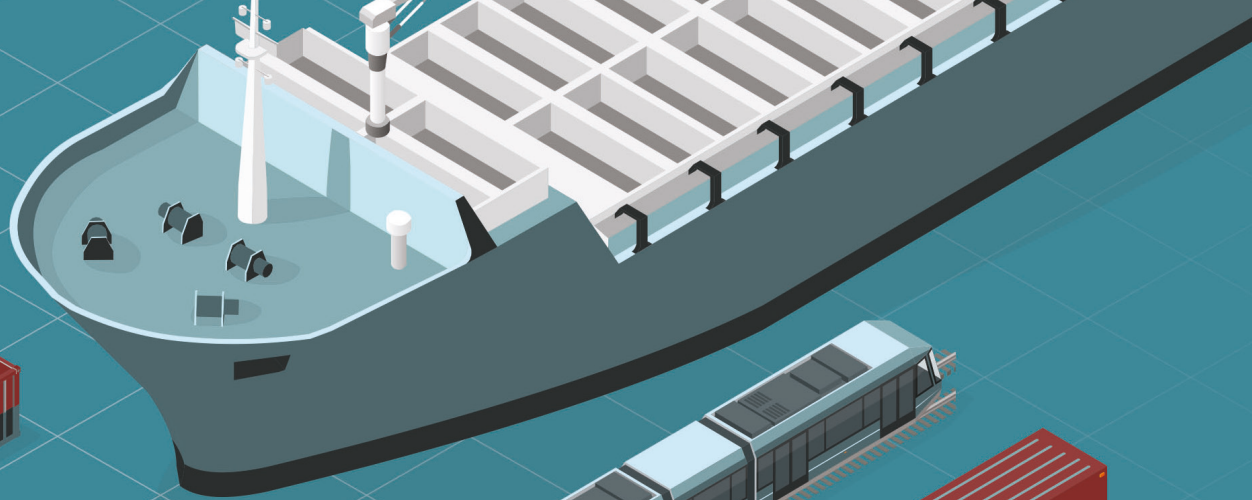




KEMENTERIAN PENGANGKUTAN  
MINISTRY OF TRANSPORT  
MALAYSIA



# STATISTIK PENGANGKUTAN MALAYSIA TRANSPORT STATISTICS MALAYSIA

# 2017





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# KATA PENGANTAR

## Preface



**DATUK SERI HJ. SARIPUDDIN B. HJ. KASIM**  
 KETUA SETIAUSAHA  
 KEMENTERIAN PENGANGKUTAN MALAYSIA  
 SECRETARY GENERAL  
 MINISTRY OF TRANSPORT MALAYSIA

Kementerian Pengangkutan dengan sukacitanya telah menerbitkan Laporan Statistik Pengangkutan Malaysia 2017. Adalah menjadi objektif Kementerian untuk menyediakan perangkaan yang komprehensif, sedia digunakan dan terkini mengenai semua mod pengangkutan di Malaysia melalui laporan ini. Beberapa petunjuk utama terpilih berserta carta dan graf telah dimasukkan sebagai panduan mudah untuk memahami arah aliran asas sektor pengangkutan di negara ini.

Sektor pengangkutan merupakan salah satu penyumbang utama kepada pertumbuhan dan pembangunan ekonomi negara. Adalah diharapkan Buku Statistik Pengangkutan ini dapat memberikan sedikit panduan atau rujukan yang berguna terutama kepada penggubal dasar, penyelidik, pelajar dan juga mereka yang berminat untuk mengetahui arah aliran dan perkembangan sektor pengangkutan di Malaysia.

Saya ingin merakamkan ucapan penghargaan kepada semua jabatan dan agensi di bawah Kementerian Pengangkutan, juga kepada pihak-pihak yang berkenaan atas kerjasama dan sumbangan mereka ke arah merealisasikan penerbitan laporan statistik ini. Segala cadangan dan pandangan bagi penambahbaikan kandungan, persembahan dan penyampaian maklumat untuk terbitan seterusnya amat dialu-alukan.

*The Ministry of Transport is pleased to present the Malaysia Transport Statistics 2017. It is the objective of the Ministry to provide comprehensive, readily available and up-to-date statistics on all modes of transport in Malaysia through this report. Some selected key indicators, accompanied by graphs and charts, have been included for a quick understanding of the basic trends of the transport sector in the country.*

*The transport sector is one of major contributors to the economic growth and development of the nation. It is hoped that this Transport Statistics Yearbook will serve as a useful guide to policy makers, researchers, students and those interested in knowing the trends and development of the transport sector in Malaysia.*

*I would like to express my appreciation to all departments and agencies under the Ministry of Transport as well as others for their cooperation and contribution toward realizing this publication. Any suggestions and comments towards improvement of content, presentation and delivery of information for future publication are most welcome.*



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*Ministry of Works*

**Polis Diraja Malaysia**  
*Royal Malaysian Police*

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

**Jabatan Laut Malaysia**  
*Marine Department Malaysia*

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

**Suruhanjaya Pengangkutan Awam Darat**  
*Land Public Transport Commission*

**Lembaga Perlesenan Kenderaan  
Perdagangan Sabah**  
*Commercial Vehicles Licensing  
Board Sabah*

**Lembaga Perlesenan Kenderaan  
Perdagangan Sarawak**  
*Commercial Vehicles Licensing  
Board Sarawak*

**Lembaga Pelabuhan Klang**  
*Klang Port Authority*

**Pelabuhan Tanjung Pelepas Sdn Bhd**  
*Port of Tanjung Pelepas Sdn Bhd*

**Johor Port Berhad**  
*Johor Port Berhad*

**Suruhanjaya Pelabuhan Pulau Pinang**  
*Penang Port Commission*

**Lembaga Pelabuhan Kuantan**  
*Kuantan Port Authority*

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

**Bintulu Port Sdn Bhd**  
*Bintulu Port Sdn Bhd*

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

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

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

**Lembaga Pelabuhan Miri**  
*Miri Port Authority*

**Pelabuhan Tanjung Bruas**  
*Tanjung Bruas Port*

**Malaysia Airport Holding Berhad**  
*Malaysia Airports Holdings Berhad*

**Senai Airport Terminal Services Sdn Bhd**  
*Senai Airport Terminal Services Sdn Bhd*

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

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



## GLOSARI AKRONIM

*Glosary of Acronyms*

<b>ADT</b>	<i>Average Daily Traffic</i>	<b>ILS</b>	<i>Instrument Landing System</i>
<b>FWT</b>	<i>Freightweight Tonnes</i>	<b>LLZ</b>	<i>Localizer</i>
<b>GRT</b>	<i>Gross Registered Tonnage</i>	<b>GP</b>	<i>Glide Path</i>
<b>NRT</b>	<i>Net Registered Tonnage</i>	<b>L</b>	<i>Locator</i>
<b>DWT</b>	<i>Dead Weight Tonnes</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 Dopple</i>	<b>TACAN</b>	<i>UHF Tactical Air Navigation Aid</i>
<b>DVOR</b>	<i>VHF Omnidirectional Radio Range</i>	<b>VOR</b>	<i>Very High Frequency Omnidirectional Radio</i>
<b>HJ</b>	<i>Sunrise to Sunset</i>	<b>VORTAC</b>	<i>Combination of Vor and Tacan</i>
		<b>n.a</b>	<i>Not Available</i>





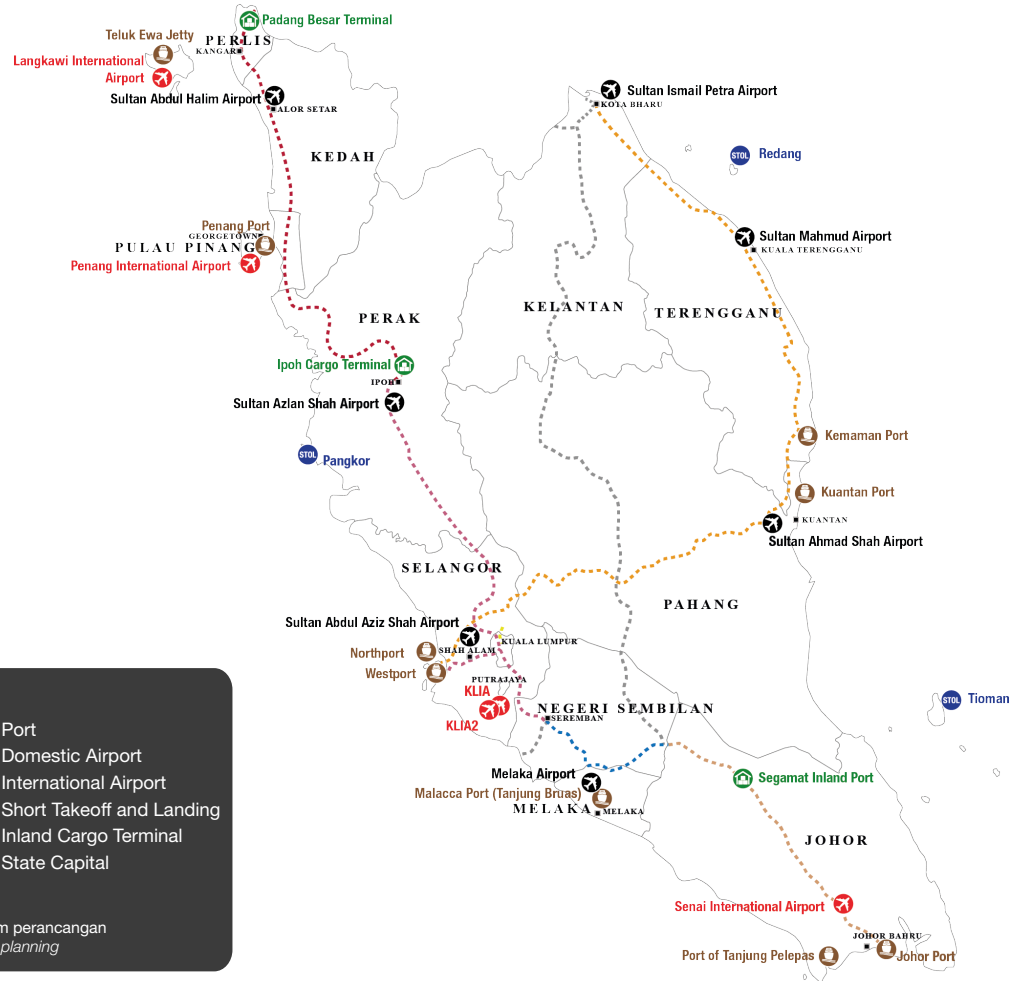


**PETA**  
*Maps*



## RANGKAIAN PENGANGKUTAN REL, LOKASI PELABUHAN-PELABUHAN DAN LAPANGAN-PELABUHAN TERBANG DI SEMENANJUNG MALAYSIA

*Rail Transport Networks, Ports and Airports Location of Peninsular Malaysia*



### LEGEND

- East Coast Rail Line
- EDTP Ipoh - Padang Besar
- EDTP Gemas - Johor Bahru
- EDTP Sentul - Batu Caves
- EDTP Seremban - Gemas
- Existing Single Track
- Existing Double Track
- Port
- Domestic Airport
- International Airport
- Short Takeoff and Landing
- Inland Cargo Terminal
- State Capital

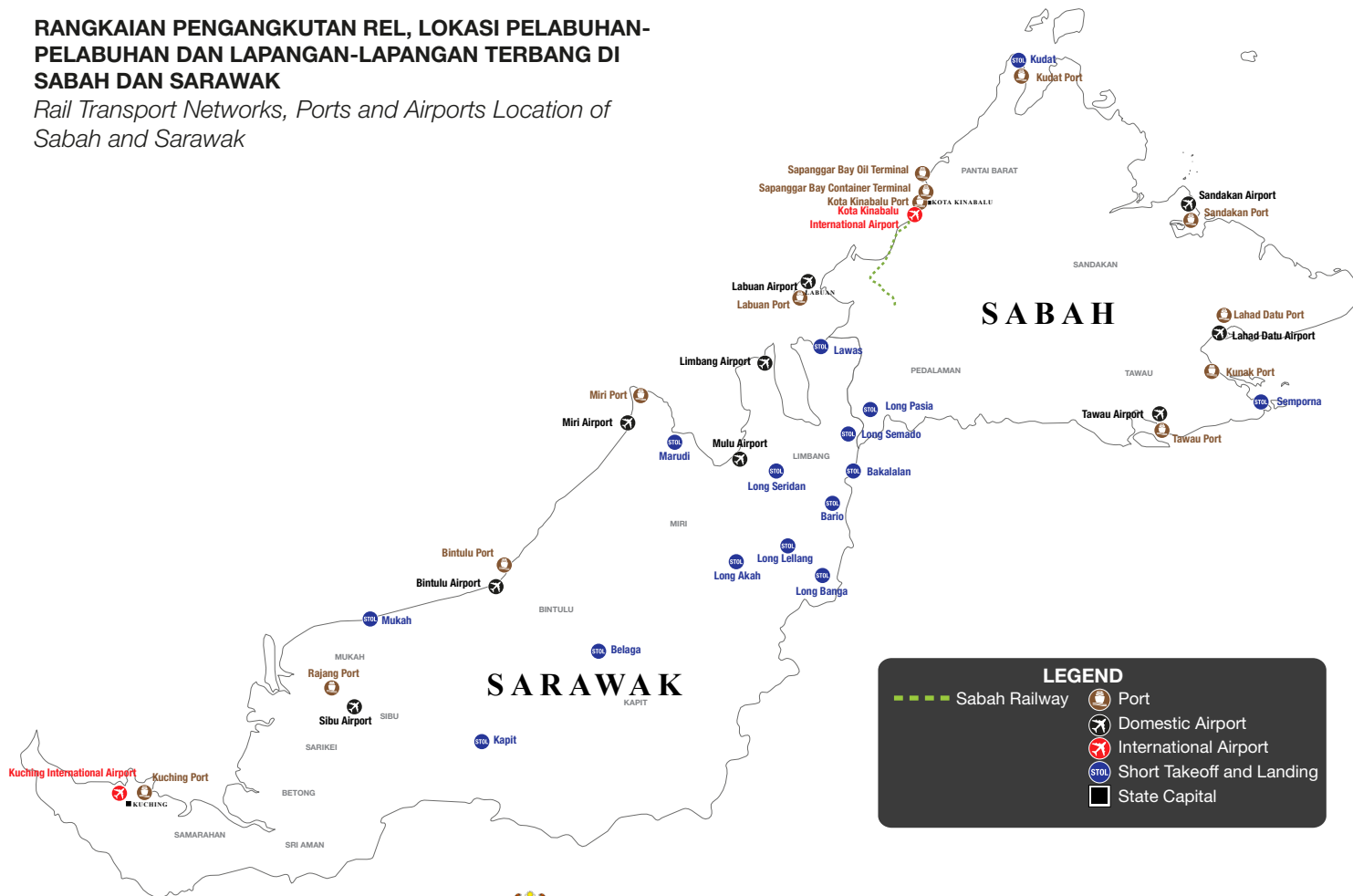
*Nota: East Coast Rail Line dalam perancangan  
Note: East Coast Rail Line under planning*





## RANGKAIAN PENGANGKUTAN REL, LOKASI PELABUHAN- PELABUHAN DAN LAPANGAN-LAPANGAN TERBANG DI SABAH DAN SARAWAK

*Rail Transport Networks, Ports and Airports Location of  
Sabah and Sarawak*



# RANGKAIAN PENGANGKUTAN TRANSIT REL LEMBAH KLANG

Rail Transport Network of Klang Valley







## RAIL LINE

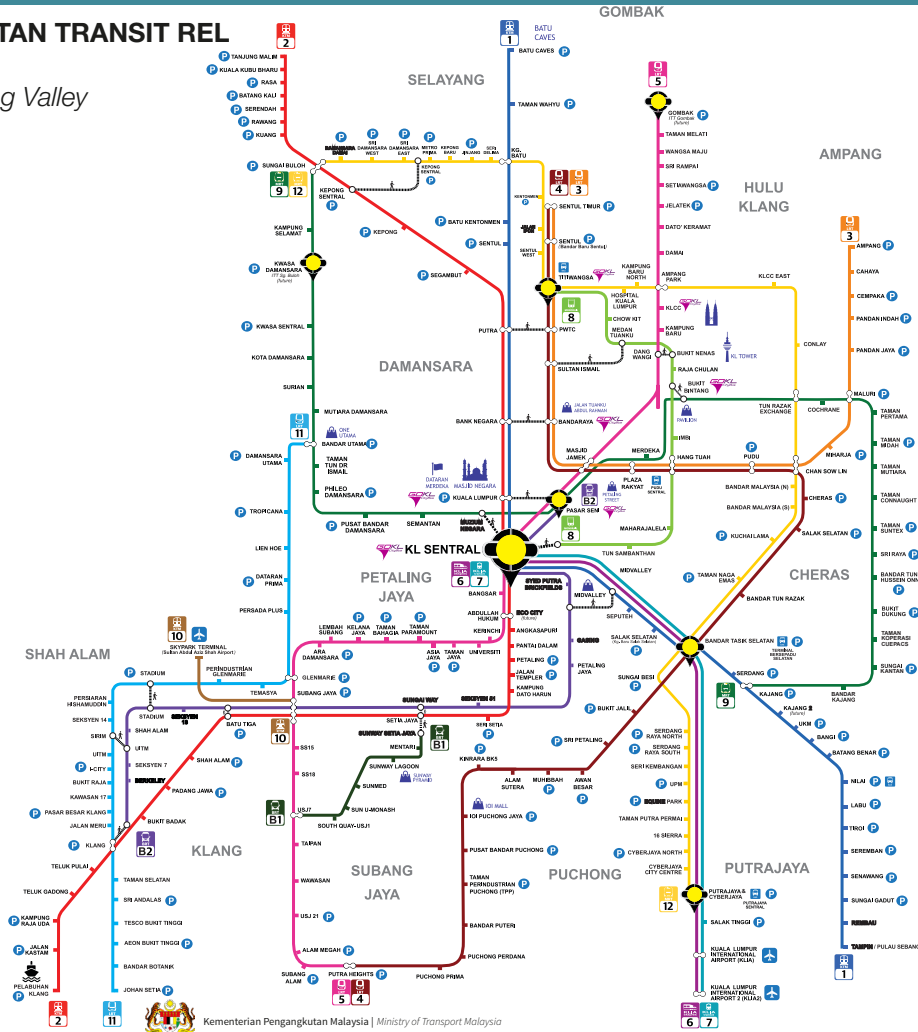
-  **1** KTM SEREMBAN LINE
-  **2** KTM PORT KLANG LINE
-  **3** LRT AMPANG LINE
-  **4** LRT SRI PETALING LINE
-  **5** LRT KELANA JAYA LINE
-  **6** ERL KLIA EKSPRES
-  **7** ERL KLIA TRANSIT
-  **8** KL MONORAIL LINE
-  **9** MRT SG.BULOH-KAJANG LINE  
*Ready by 2017*
-  **10** KTM SKYPARK LINE  
*Ready by 2017*
-  **11** LRT BANDAR UTAMA KLANG LINE  
*Ready by 2005*
-  **12** MRT SG BULOH-PUTRAJAYA LINE  
*Ready by 2022*

## BUS RAPID TRANSIT LINE

-  **B1** BRT SUNWAY LINE
-  **B2** BRT KLANG LINE  
*Future Project*

## LEGEND

-  Park & Ride
-  Airport Terminal
-  Bus Terminal
-  Interchange Station
-  Connecting Station
-  Main Integrated Station





**PENGANGKUTAN DARAT**  
*Land Transport*



JADUAL 1.13: PURATA TRAFIK HARIAN (ADT) DI 63 LOKASI, SEMENANJUNG MALAYSIA, 2008-2017  
 Table 1.13: Average Daily Traffic (ADT) at 63 Locations, Peninsular Malaysia, 2008-2017

BIL No	STESEN Station	KM	LOKASI Location	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
<b>PERAK</b>													
1	AR 101	106.6	Ipoh-Tanjung Malim (Slim River Toll house)	13,854	15,038	15,322	14,039	14,431	15,328	16,501	16,736	15,187	14,913
2	AR 204	78.9	Ipoh-Lumut	21,138	23,920	22,389	23,758	25,283	25,942	23,834	26,494	25,939	27,384
3	AR 301	35.9	Ipoh-Kampar	23,050	23,659	31,022	30,311	27,497	28,520	27,126	30,592	24,654	29,911
4	AR 303	5.6	Ipoh-Gopeng	71,205	79,513	84,135	73,487	85,819	77,195	78,210	78,136	77,483	87,006
5	AR 501	30.4	Ipoh-Kuala Kangsar (500m North of Sg. Siput Town)	18,036	19,085	19,426	22,500	19,251	20,478	18,578	19,895	19,936	20,443
6	AR 601	79.7	Ipoh-Batu Hampar-Changkat Jering	16,091	16,752	14,128	11,726	19,410	20,588	19,881	20,664	21,327	19,058
7	AR 603	82.1	Ipoh-Changkat Jering-Semanggol	10,034	7,076	10,270	18,646	12,586	12,938	12,531	12,949	13,919	9,227
8	AR 703	106.3	Ipoh-Teluk Intan-Simpang Empat	24,244	25,159	25,365	25,004	28,465	25,489	25,865	27,249	33,024	26,218
9	AR 801	96.6	Ipoh-Kuala Kangsar-Gerik	2,509	2,715	1,724	3,110	3,562	3,487	2,826	3,139	3,017	2,798
10	AR 803	2.4	Lebuhraya Timur-Barat	2,945	3,078	3,337	3,148	3,944	3,796	3,636	3,293	3,818	3,923
<b>SELANGOR</b>													
11	BR 102	3.5	Klang-Port Klang (Jalan Watson)	47,817	46,690	52,901	53,983	57,835	56,513	52,563	49,706	47,687	47,521
12	BR 108	-	300m From The Federal Highway's Junction-North Klang Straits Bypass	129,408	122,468	141,121	135,678	140,780	143,223	136,424	131,348	128,988	101,893
13	BR 203	48.3	Klang-Morib-Batu Laut	6,711	7,023	7,101	6,852	7,128	7,777	7,741	7,890	7,999	5,903
14	BR 405	45.1	Kuala Lumpur-Kepong-Kuala Selangor	19,991	20,938	22,822	23,003	23,648	21,278	22,618	21,611	22,277	21,568
15	BR 501	72.1	Klang-Sabak Bernam	17,977	19,773	20,466	21,743	23,370	22,174	22,443	20,838	24,554	21,642
16	BR 604	21.7	Kuala Lumpur-Kajang	57,286	58,929	56,609	57,591	53,689	59,023	54,222	48,737	48,199	46,607
17	BR 701	58.6	Kuala Lumpur-Kuala Kubu Baru Junction (South of Junction)	12,307	13,209	18,293	13,430	13,320	15,082	15,022	15,538	16,063	13,476
18	BR 902	19.0	Kuala Lumpur-Karak Highway	137,870	150,213	129,345	144,334	151,486	147,449	144,308	129,579	138,711	153,545
<b>PAHANG</b>													
19	CR 102	67.0	Kuala Lumpur-Kuantan (along KL-Karak Highway)	20,703	22,224	28,109	27,653	28,470	26,509	28,300	30,436	31,036	1,833
20	CR 403	233.0	Kuantan-Marang	23,395	26,064	28,248	29,142	31,138	31,416	31,876	29,856	30,231	33,247
21	CR 410	32.5	Kuantan-Kemaman	20,260	22,249	22,079	23,278	22,911	21,601	22,995	20,827	24,850	30,052
22	CR 503	282.0	Kuala Lumpur-Kuala Lipis- Kampung Padang Tuanku-Kota Bharu	6,609	6,159	6,253	7,053	7,513	6,985	7,319	8,063	8,757	8,302
23	CR 603	3.0	Pekan-Nenas	5,746	7,783	8,650	9,761	10,319	11,563	11,535	10,741	11,620	11,606
24	CR 801	115.0	Kuantan-Karak	11,567	11,614	11,771	11,597	13,281	13,328	15,673	14,874	15,730	16,731
25	CR 805	189.0	Kuantan-Marang	6,587	6,761	6,980	8,049	7,088	6,952	6,714	6,369	6,841	6,915
26	CR 902	-	Kuantan-Segamat (400m. Bkt. Ibam-Rompin Junction North Bound)	7,316	11,634	8,102	8,427	9,545	8,763	9,314	9,985	10,514	10,416

SUMBER: KEMENTERIAN KERJA RAYA  
 Source: Ministry of Works



JADUAL 1.13: PURATA TRAFIK HARIAN (ADT) DI 63 LOKASI, SEMENANJUNG MALAYSIA, 2008-2017 (SAMB.)

Table 1.13: Average Daily Traffic (ADT) at 63 Locations, Peninsular Malaysia, 2008-2017 (Cont'd)

BIL No	STESEN Station	KM	LOKASI Location	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
<b>KELANTAN</b>													
27	DR 201	19.3	Kota Bharu - Melor	30,698	43,222	31,602	37,939	42,433	32,263	26,043	39,257	28,405	65,518
28	DR 603	6.1	Km Lebuha raya Timur-Barat	5,224	5,296	5,440	5,863	6,275	6,029	6,141	4,718	6,344	6,300
29	DR 802	61.5	Kota Bharu - Kuala Krai	18,707	19,521	20,632	22,308	23,381	21,200	22,523	23,345	21,969	2,160
<b>JOHOR</b>													
30	JR 101	142.0	Johor Bahru - Batu Pahat - Muar	10,736	12,735	11,162	11,711	14,847	18,659	15,491	13,321	12,562	13,424
31	JR 104	127.2	Johor Bahru - Yong Peng - Muar	32,094	33,381	25,916	40,092	23,361	34,672	32,757	25,310	16,289	23,996
32	JR 108	116.0	Johor Bahru - Segamat	12,557	12,869	12,262	13,025	12,369	11,628	11,521	11,985	9,733	11,199
33	JR 205	12.7	Johor Bahru - Skudai	154,952	218,035	221,084	213,390	162,454	189,292	191,427	178,012	184,136	176,725
34	JR 218	-	1000m east junction to Masai	43,457	46,426	49,309	40,428	47,563	26,552	26,502	29,045	43,134	42,306
35	JR 305	76.0	Johor Bahru - Ayer Hitam	14,708	15,261	14,810	14,894	15,398	13,911	15,847	17,359	17,598	20,602
36	JR 306	49.5	Batu Pahat - Ayer Hitam - Kluang	33,897	33,572	34,964	36,952	39,674	38,053	38,366	41,632	41,936	43,771
37	JR 404	38.6	Johor Bahru - Kota Tinggi	19,417	19,182	20,302	20,106	23,273	22,103	19,750	19,745	18,984	17,601
38	JR 501	135.2	Johor Bahru - Endau (2.4km north of Mersing town)	17,192	16,688	15,598	13,445	13,411	14,412	14,391	14,672	15,336	15,599
39	JR 503	111.1	Johor Bahru - Kota Tinggi - Jemaluang (500 m south of Jemaluang)	4,246	4,477	4,633	4,481	4,490	4,720	4,143	2,656	4,969	4,349
40	JR 702	60.0	Johor Bahru - Pontian Kecil - Pontian Besar (near Pontian Hospital)	17,789	14,480	14,406	12,125	16,772	15,061	14,678	15,945	16,690	13,050
41	JR 801	199.5	Johor Bahru - Segamat - Batu Anam	14,145	14,648	15,237	15,781	15,875	16,826	16,800	17,751	15,954	16,518
<b>KEDAH</b>													
42	KR 202	20.6	Alor Setar - Changlun	51,314	34,715	30,402	32,311	42,822	47,474	34,003	36,660	38,036	39,669
43	KR 401	70.8	Alor Setar - Sungai Petani - Butterworth	16,123	19,052	24,002	22,195	23,141	23,971	23,672	24,779	21,656	20,749
44	KR 501	29.0	Alor Setar - Sungai Petani	17,586	19,169	19,387	19,618	19,249	18,853	17,797	19,854	18,221	17,748
<b>MELAKA</b>													
45	MR 206	22.9	Melaka - Muar	14,057	15,501	15,679	16,426	17,044	16,779	17,112	17,182	15,640	16,329
46	MR 301	25.0	Melaka - Kendong	11,057	9,986	11,472	11,465	11,170	15,715	15,665	16,885	19,662	17,780
47	MR 313	43.5	Melaka - Lubok Cina	8,179	7,709	7,858	8,084	8,480	9,097	9,013	11,202	8,165	8,457

SUMBER: KEMENTERIAN KERJA RAYA

Source: Ministry of Works



JADUAL 1.13: PURATA TRAFIK HARIAN (ADT) DI 63 LOKASI, SEMENANJUNG MALAYSIA, 2008-2017 (SAMB.)  
 Table 1.13: Average Daily Traffic (ADT) at 63 Locations, Peninsular Malaysia, 2008-2017 (Cont'd)

BIL No	STESEN Station	KM	LOKASI Location	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
<b>NEGERI SEMBILAN</b>													
48	NR 304	21.7	Seremban-Port Dickson	68,327	67,092	65,580	46,201	54,394	59,864	62,112	57,613	41,295	48,851
49	NR 403	42.7	Seremban-Tampin	12,990	13,073	12,690	12,565	12,832	12,645	11,459	12,465	12,737	13,415
50	NR 501	20.0	Seremban-Kuala Lumpur	14,329	12,530	12,052	11,964	11,397	10,671	11,810	11,870	10,984	11,314
51	NR 505	9.3	Seremban-Tampin (500m outside Town area)	38,197	33,697	35,708	38,378	57,639	50,484	48,002	47,976	48,966	49,199
<b>PULAU PINANG</b>													
52	PR 116	16.9	Butterworth-Taiping	53,451	56,601	56,349	60,230	56,932	64,993	48,588	65,716	59,320	52,095
53	PR 201	11.1	" Georgetown-Teluk Bahang (Jln. Keliling Pulau) "	24,392	24,799	27,334	26,085	28,442	27,106	28,419	24,774	23,255	22,006
54	PR 203	57.2	" Georgetown-Bayan Lepas-Gelugor (Jln. Keliling Pulau) "	43,232	47,285	50,776	50,950	59,900	62,207	63,049	62,464	56,678	61,819
<b>PERLIS</b>													
55	RR 105	3.2	Kangar-Alor Setar (Melalui Simpang Empat)	20,769	21,321	21,758	23,234	25,577	26,155	25,092	27,257	27,827	33,233
<b>KUALA TERENGGANU</b>													
56	TR 103	61.5	K. Terengganu-Jerteh-Kota Bharu	23,357	21,313	24,196	25,551	27,325	27,066	19,490	23,584	22,605	21,136
57	TR 202	78.9	K. Terengganu-Dungun-Kemaman	23,463	29,051	28,602	30,035	27,856	29,864	28,124	28,171	24,852	23,209
58	TR 305	48.0	" Kuantan-K. Terengganu (Jln. Jabor-Jerangau) "	5,363	5,381	5,590	6,553	7,566	8,036	7,667	4,105	3,992	4,268
59	TR 402	17.0	K. Terengganu-Kuantan	24,933	24,852	25,887	27,451	29,532	31,227	31,686	24,887	34,408	35,427
60	TR 502	33.0	K. Terengganu-Kg. Ajil-Jerangau	13,132	14,701	14,695	12,649	10,092	8,715	8,739	9,561	9,047	10,410
<b>KUALA LUMPUR</b>													
61	WR 102	12.1	Kuala Lumpur-Ipoh	161,161	214,746	277,797	276,092	252,341	253,179	214,760	211,188	169,218	138,477
62	WR 103	8.1	Kuala Lumpur-Ipoh	205,867	194,287	196,796	209,224	203,277	216,424	192,223	162,596	205,686	144,046
63	WR 105	8.1	Kuala Lumpur-Seremban Expressway	229,713	213,522	201,260	192,649	213,161	206,140	219,336	221,066	150,233	MANSUH

SUMBER: KEMENTERIAN KERJA RAYA

Source: Ministry of Works



JADUAL 1.14: PURATA TRAFIK HARIAN (ADT) DI 16 LOKASI, SABAH DAN SARAWAK, 2008-2017

Table 1.14: Average Daily Traffic (ADT) at 16 Locations, Sabah and Sarawak, 2008-2017

BIL No	STESEN Station	KM	LOKASI Location	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
<b>SABAH</b>													
1	HR 101	4.8	Beaufort - Sindumin	7,454	4,811	4,924	5,965	5,422	5,694	6,508	6,710	6,493	6,269
2	HR 104	9.0	Tenom - Toman - Bekuku Highway	4,566	4,566	4,294	4,425	2,123	2,450	2,378	2,299	6,943	5,618
3	HR 201	22.5	Kota Kinabalu - Papar	6,453	7,968	9,370	11,791	14,491	14,406	15,329	15,786	15,999	15,892
4	HR 202	8.1	Donggongan - Tambunan	3,578	3,701	3,835	3,881	3,353	3,839	4,478	4,105	3,351	4,307
5	HR 204	69.0	Kota Kinabalu - Kudat (100mm From Longtigi Junction)	9,855	9,450	11,189	11,138	9,953	13,909	11,923	12,388	13,887	15,654
6	HR 501	31.4	Tawau - Semporna	16,850	9,407	10,074	10,035	10,455	10,327	10,229	11,508	11,694	12,649
7	HR 504	14.5	Sg. Segama Crossing	6,987	6,781	8,294	8,691	7,641	9,407	8,739	6,335	7,412	6,832
8	HR 506	68.0	20km from Semporna towards Tawau	2,585	2,663	2,711	3,074	2,742	2,704	3,087	2,310	3,609	2,689
9	HR 507	82.0	Tawau - Sandakan (Near Kunak Junction)	7,168	8,600	11,141	11,633	9,706	7,831	7,699	6,700	8,169	8,389
<b>SARAWAK</b>													
10	SR 101	16.1	Bau - Semantan	3,188	3,143	3,091	3,504	5,780	3,512	3,582	4,090	3,429	5,138
11	SR 103	27.4	Kucing - Serian	22,225	24,564	30,616	31,112	32,889	27,987	32,808	34,874	34,950	22,171
12	SR 401	20.0	Bintulu - Sibul	7,250	9,808	10,957	14,520	4,342	4,476	5,125	5,841	5,563	5,685
13	SR 402	29.0	Bintulu - Miri	5,924	7,880	8,507	4,178	5,355	9,139	8,677	7,452	7,428	8,000
14	SR 403	6.2	Miri - Bintulu (before junction to Airport)	9,984	11,060	10,506	12,211	11,805	10,865	10,887	12,329	9,092	9,861
15	SR 503	1.6	Limbang - Brunei Border (Sg. Padaruan)	16,319	14,141	19,032	13,519	11,014	12,742	11,150	12,807	13,245	15,221
16	SR 504	1.6	Lawas - Trusan	4,519	5,139	3,653	6,683	6,448	7,243	7,200	7,912	11,701	9,640

SUMBER: KEMENTERIAN KERJA RAYA

Source: Ministry of Works



JADUAL 1.15: KOMPOSISI TRAFIK (%) MENGIKUT JENIS KENDERAAN DI 14 STESEN TERPILIH, MALAYSIA, 2017  
 Table 1.15: Traffic Composition (%) by Type of Vehicle at 14 Selected Stations, Malaysia, 2017

BIL No	STESEN Station	LOKASI Location	16 JAM TRAFIK 16 Hours Traffic	JENIS KENDERAAN <i>Type of Vehicle</i>					
				KERETA / TEKSI <i>Car / Taxi</i>	LORI KECIL <i>Light Lorry</i>	LORI SEDERHANA <i>Medium Lorry</i>	LORI BESAR <i>Heavy Lorry</i>	BAS <i>Bus</i>	MOTOSIKAL <i>Motorcycle</i>
<b>SEMENANJUNG MALAYSIA</b> <i>Peninsular Malaysia</i>									
1	JR 204	Johor Bahru - Kulai	145,079	73	7	5	2	2	12
2	JR 501	Johor Bahru - Endau	15,599	60	7	5	3	1	25
3	NR 501	Seremban - Kuala Lumpur	11,314	62	9	6	5	1	17
4	PR 115	Butterworth - Taiping	43,569	57	7	6	2	1	27
5	AR 301	Ipoh - Kampar	29,911	64	8	8	4	1	15
6	KR 501	Alor Setar - Sungai Petani	17,748	55	9	8	3	1	24
7	CR 805	Kuantan - Maran	6,915	61	12	9	6	0	13
8	CR 902	Persimpangan Bukit Iban - Rompin Di Lebu Raya Kuantan - Segamat	10,416	59	15	6	9	1	11
9	TR 402	Kuala Terengganu - Kuantan	35,427	68	8	3	1	1	20
10	DR 802	Kota Bharu - Kuala Krai	22,160	60	15	6	2	1	16
<b>SABAH</b>									
11	HR 201	Kota Kinabalu - Papar	15,829	58	26	6	3	1	6
12	HR 501	Tawau - Semporna	12,649	34	33	13	9	1	11
<b>SARAWAK</b>									
13	SR 103	Kuching - Serian	22,171	60	11	7	7	1	14
14	SR 402	Bintulu - Miri	8,000	58	27	7	2	1	7

SUMBER: KEMENTERIAN KERJA RAYA  
 Source: Ministry of Works





JADUAL 1.16: JUMLAH KEMALANGAN JALAN RAYA MENGIKUT NEGERI, MALAYSIA, 2008-2017

Table 1.16: Total Road Accidents by States, Malaysia, 2008-2017

NEGERI State	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
PERLIS	1,417	1,633	1,548	1,791	1,881	1,895	1,888	1,861	2,062	1,925
KEDAH	16,520	17,701	17,966	19,699	19,935	20,228	20,159	22,016	23,200	23,262
PULAU PINANG	34,049	33,719	34,306	37,158	37,851	39,361	38,747	39,856	42,244	43,007
PERAK	30,539	32,327	32,072	33,506	34,714	35,408	35,131	36,736	38,531	38,587
SELANGOR	100,380	107,429	115,565	128,876	129,106	135,024	137,809	140,957	151,253	154,958
W.P. KUALA LUMPUR	48,671	51,942	53,493	58,795	61,872	64,527	63,535	64,664	68,866	72,940
NEGERI SEMBILAN	17,362	18,369	19,407	21,157	22,146	23,066	23,748	22,939	24,428	24,941
MELAKA	12,105	13,275	14,110	14,720	15,195	16,083	16,375	17,069	18,601	18,771
JOHOR	48,667	51,747	55,381	59,501	62,316	64,600	64,473	67,112	73,116	76,121
PAHANG	15,629	17,068	17,315	19,001	20,554	20,130	19,071	19,635	20,465	20,813
KELANTAN	8,842	9,549	9,707	9,603	9,968	9,748	10,326	9,960	10,544	10,786
TERENGGANU	8,814	10,118	10,106	10,684	10,861	10,996	9,383	10,381	10,793	10,713
SABAH	14,588	15,798	16,192	16,585	17,446	17,438	17,858	17,290	17,298	17,244
SARAWAK	15,488	16,655	17,253	17,964	18,578	18,700	17,693	19,130	20,065	19,807
<b>JUMLAH Total</b>	<b>373,071</b>	<b>397,330</b>	<b>414,421</b>	<b>449,040</b>	<b>462,423</b>	<b>477,204</b>	<b>476,196</b>	<b>489,606</b>	<b>521,466</b>	<b>533,875</b>

SUMBER: JABATAN SIASATAN DAN PENGUATKUASAAN TRAFIK, POLIS DIRAJA MALAYSIA (PDRM)

Source: Traffic Investigation and Enforcement Department, Bukit Aman



JADUAL 1.17: JUMLAH KENDERAAN YANG TERLIBAT DALAM KEMALANGAN JALAN RAYA MENGIKUT JENIS KENDERAAN, MALAYSIA, 2008-2017

Table 1.17: Total Motor Vehicles Involved in Road Accidents by Type of Vehicle, Malaysia, 2008-2017

TAHUN Year	MOTOSIKAL Motorcycle	MOTOKAR Motocar	VAN Van	BAS Bus	LORI Lorry	PEMACU 4 RODA Four Wheel Drive	TEKSI Taxi	BASIKAL Bicycle	LAIN-LAIN Others	JUMLAH Total
2008	111,819	435,665	20,392	9,356	48,250	22,793	8,769	2,463	11,571	671,078
2009	113,962	472,307	19,220	9,380	46,724	23,581	8,669	2,486	9,294	705,623
2010	120,156	511,861	18,788	9,580	50,438	25,777	9,899	2,178	11,756	760,433
2011	129,017	546,702	17,916	9,986	53,078	30,828	11,197	2,033	16,394	817,151
2012	130,080	655,813	15,143	10,617	42,158	32,891	11,680	1,310	21,540	921,232
2013	121,700	632,602	17,148	10,123	39,276	52,512	11,651	1,370	15,441	901,823
2014	125,712	617,578	15,041	9,193	37,481	41,464	10,856	1,275	27,743	886,343
2015	123,408	625,758	14,565	8,804	34,942	46,163	9,591	1,119	29,924	894,274
2016	135,181	670,935	14,470	9,462	35,064	48,907	8,399	1,318	36,833	960,569
2017	108,221	564,491	13,347	7,258	34,747	44,297	5,328	787	24,047	802,523

SUMBER: JABATAN SIASATAN DAN PENGUATKUASAAN TRAFIK, POLIS DIRAJA MALAYSIA (PDRM)

Source: Traffic Investigation and Enforcement Department, Bukit Aman



JADUAL 1.18: JUMLAH KEMATIAN DISEBABKAN KEMALANGAN JALAN RAYA MENGIKUT TAHUN DAN NEGERI, MALAYSIA, 2008-2017

Table 1.18: Total Deaths Caused by Road Accidents by Year and States, Malaysia, 2008-2017

NEGERI State	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
PERLIS	69	90	66	79	71	72	61	65	67	62
KEDAH	496	550	532	515	548	517	525	530	572	560
PULAU PINANG	354	395	370	392	400	381	378	360	411	401
PERAK	829	829	820	811	753	770	750	726	789	711
SELANGOR	1,083	976	1,061	1,070	1,102	1,019	1,068	1,028	1,140	1,087
W.P. KUALA LUMPUR	237	230	233	236	249	243	238	256	232	236
NEGERI SEMBILAN	389	377	399	374	352	396	379	355	414	370
MELAKA	243	248	235	240	243	258	236	256	247	230
JOHOR	1,065	1,060	1,076	1,073	1,073	1,128	1,018	1,040	1,135	1,067
PAHANG	446	512	574	563	540	592	539	532	539	485
KELANTAN	380	453	380	392	392	378	354	426	453	442
TERENGGANU	293	348	314	292	301	320	276	307	342	330
SABAH	325	345	447	398	450	420	420	392	379	351
SARAWAK	318	332	365	442	443	421	432	433	432	408
<b>JUMLAH Total</b>	<b>6,527</b>	<b>6,745</b>	<b>6,872</b>	<b>6,877</b>	<b>6,917</b>	<b>6,915</b>	<b>6,674</b>	<b>6,706</b>	<b>7,152</b>	<b>6,740</b>

SUMBER: JABATAN SIASATAN DAN PENGUATKUASAAN TRAFIK, POLIS DIRAJA MALAYSIA (PDRM)

Source: Traffic Investigation and Enforcement Department, Bukit Aman



JADUAL 1.19: JUMLAH KECEDERAAN DAN KEMATIAN DISEBABKAN KEMALANGAN JALAN RAYA, MALAYSIA, 2008-2017  
 Table 1.19: Total Casualties and Damages Caused by Road Accidents, Malaysia, 2008-2017

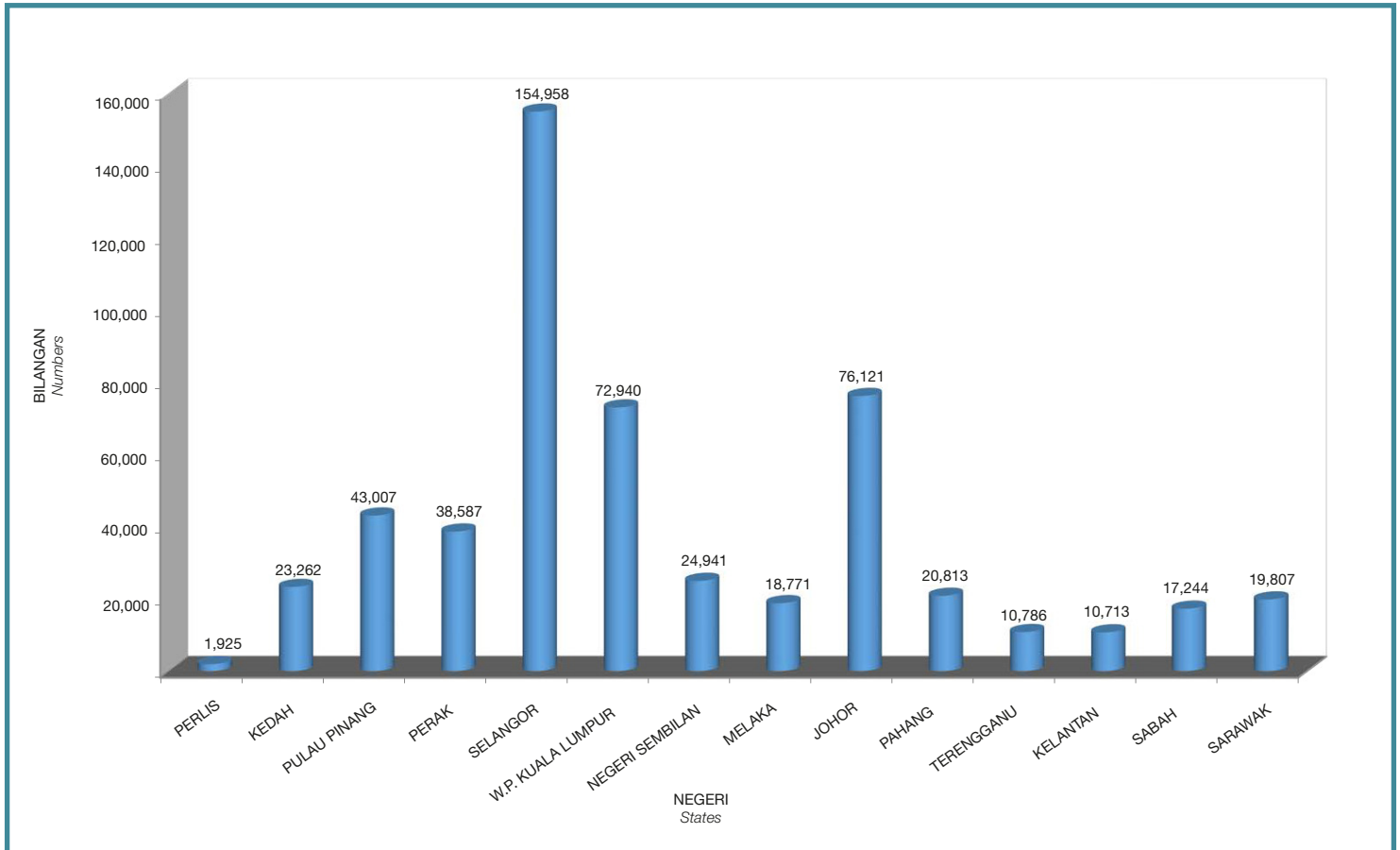
TAHUN Year	JUMLAH KEMALANGAN Total Number of Accidents	KECEDERAAN DAN KEMATIAN Casualties			
		MATI Death	PARAH Serious	RINGAN Minor	JUMLAH Total
2008	373,071	6,527	8,868	16,879	32,274
2009	397,330	6,745	8,849	15,823	31,417
2010	414,421	6,872	7,781	13,616	28,269
2011	449,040	6,877	6,328	12,365	25,570
2012	462,423	6,917	5,868	11,654	24,439
2013	477,204	6,915	4,597	8,388	19,900
2014	476,196	6,674	4,432	8,598	19,704
2015	489,606	6,706	4,120	7,432	18,258
2016	521,466	7,152	4,506	7,415	19,073
2017	533,875	6,740	3,310	6,539	16,589

SUMBER: JABATAN SIASATAN DAN PENGUATKUASAAN TRAFIK, POLIS DIRAJA MALAYSIA (PDRM)  
 Source: Traffic Investigation and Enforcement Department, Bukit Aman

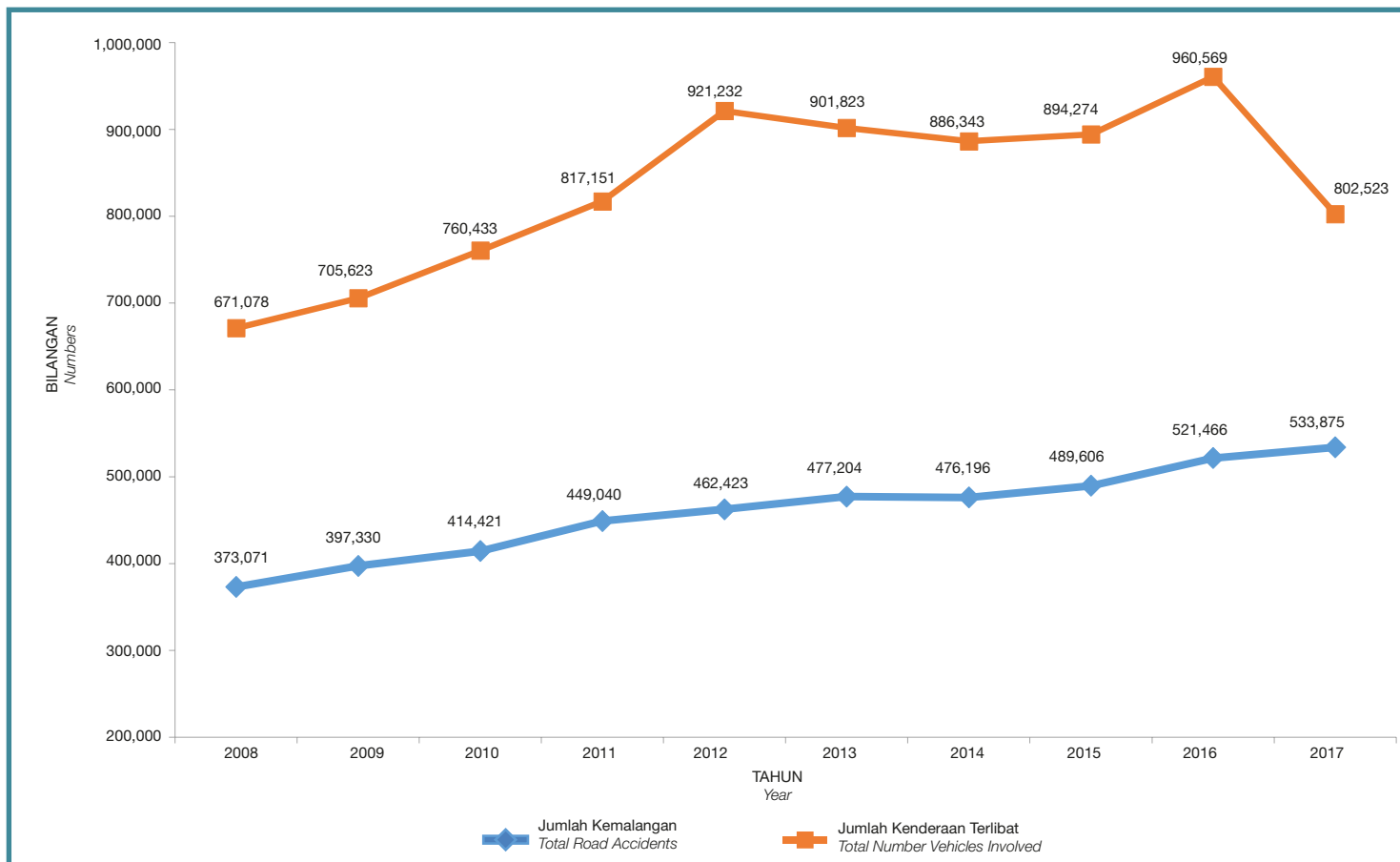


CARTA 1.5: JUMLAH KEMALANGAN JALAN RAYA MENGIKUT NEGERI, MALAYSIA, 2017

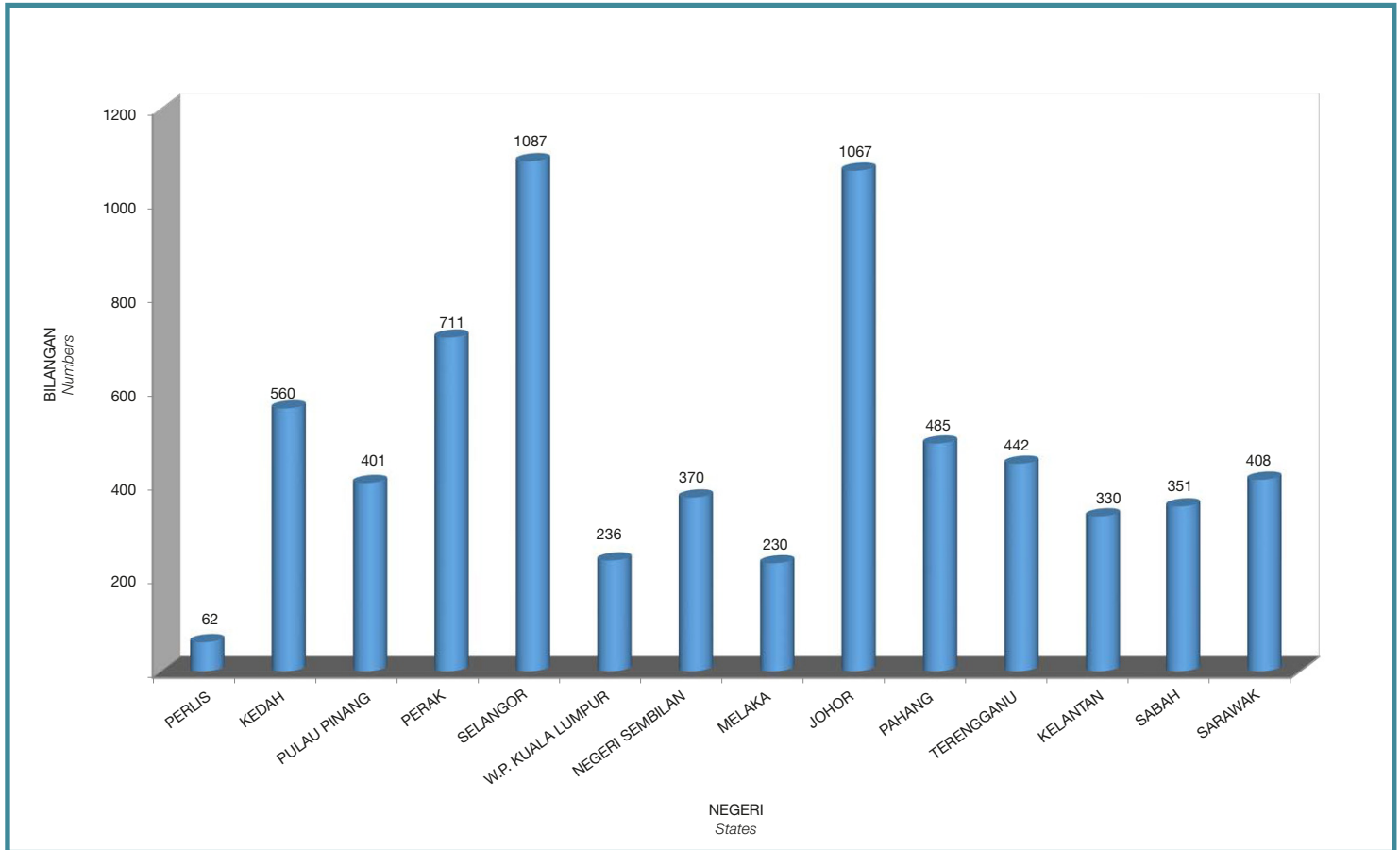
Chart 1.5: Total Road Accidents by States, Malaysia, 2017



CARTA 1.6: JUMLAH KEMALANGAN JALAN RAYA DAN KENDERAAN TERLIBAT, MALAYSIA, 2008-2017  
Chart 1.6: Total Road Accidents and Motor Vehicles Involved, Malaysia, 2008-2017

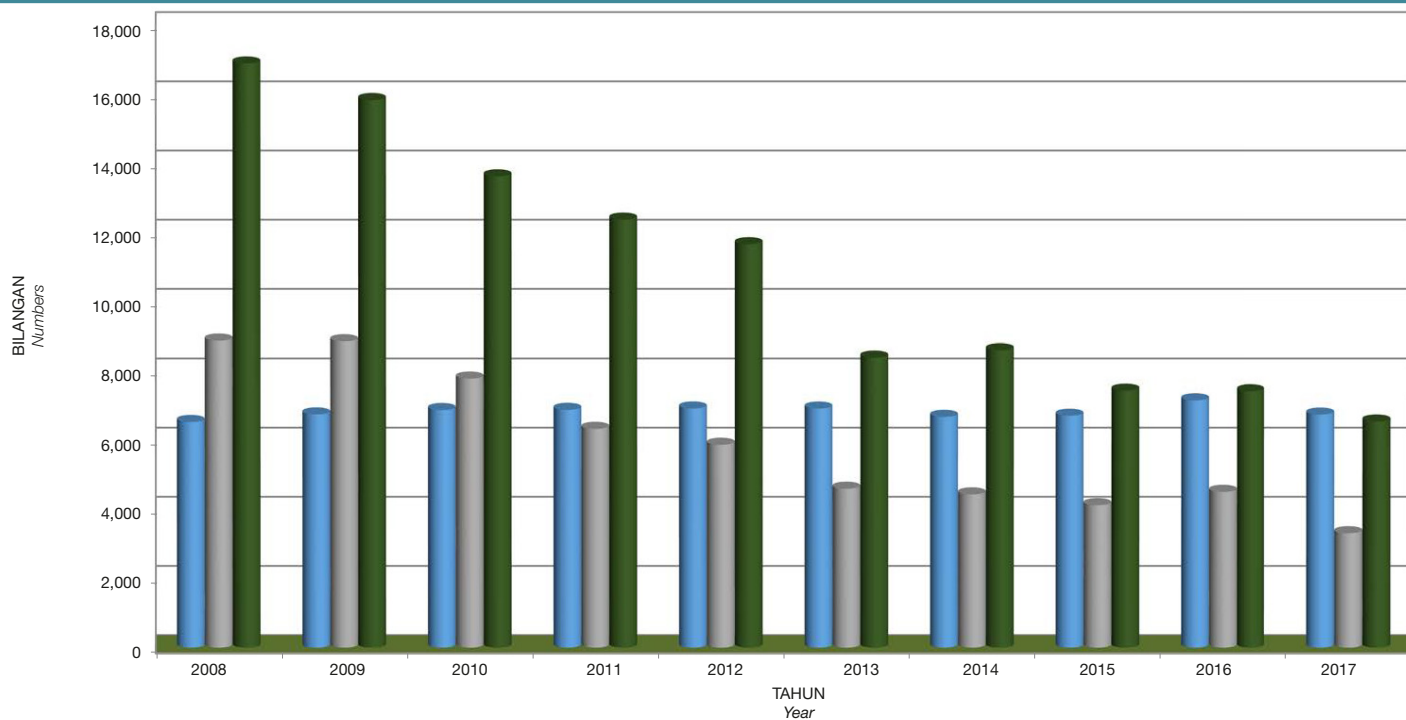


CARTA 1.7: KEMATIAN DISEBABKAN KEMALANGAN JALAN RAYA MENGIKUT NEGERI, MALAYSIA, 2017  
Chart 1.7: Deaths Caused by Road Accidents by States, Malaysia, 2017



CARTA 1.8: KECEDERAAN DAN KEMATIAN DISEBABKAN OLEH KEMALANGAN JALAN RAYA, MALAYSIA, 2008-2017

Chart 1.8: Casualties and Deaths Caused by Road Accidents, Malaysia, 2008-2017

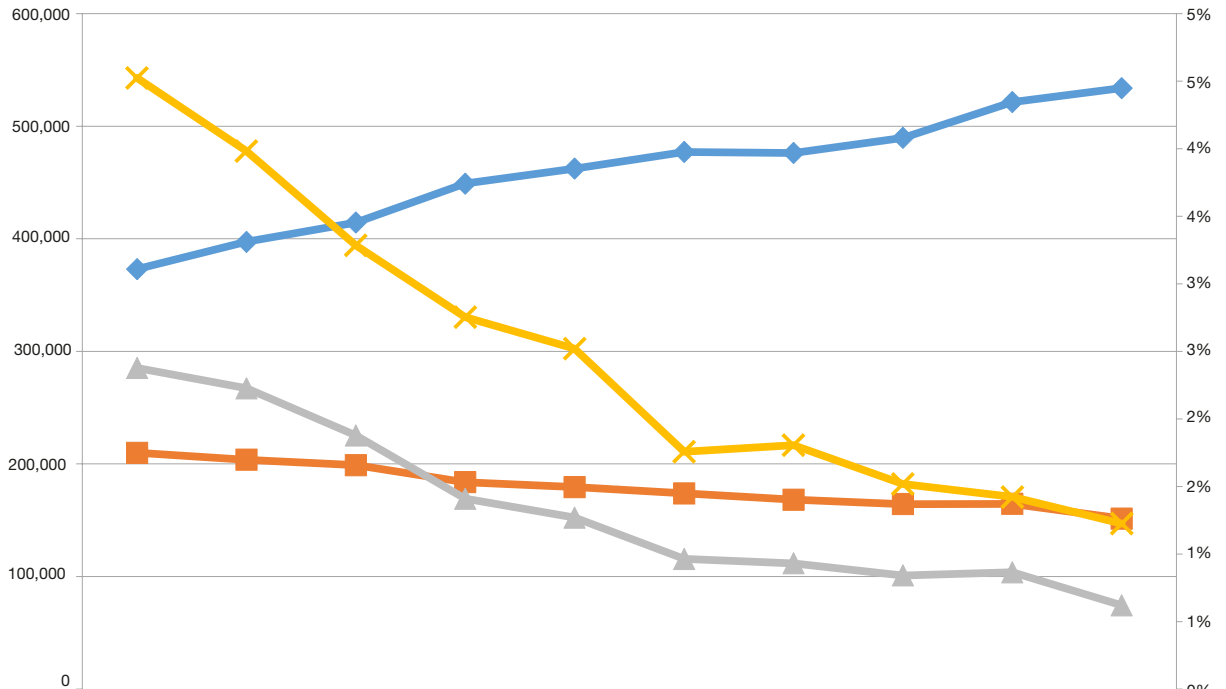


	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
<span style="color: blue;">■</span> Mati / Death	6,527	6,745	6,872	6,877	6,917	6,915	6,674	6,706	7,152	6,740
<span style="color: grey;">■</span> Cedera Parah / Severe Injuries	8,868	8,849	7,781	6,328	5,868	4,597	4,432	4,120	4,506	3,310
<span style="color: green;">■</span> Cedera Ringan / Minor Injuries	16,879	15,823	13,616	12,365	11,654	8,388	8,598	7,432	7,415	6,539





CARTA 1.9: KEMALANGAN, PERATUS KECEDEeraan DAN KEMATIAN DISEBABKAN KEMALANGAN JALAN RAYA, MALAYSIA, 2008-2017  
 Chart 1.9: Total Accidents, Percentage of Casualties and Deaths Caused by Road Accidents, Malaysia, 2008-2017



	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Kemalangan / Accidents	373,071	397,330	414,421	449,040	462,423	477,204	476,196	489,606	521,466	533,875
% Mati / % Death	1.75%	1.70%	1.66%	1.53%	1.50%	1.45%	1.40%	1.36%	1.37%	1.26%
% Parah / % Severe	2.38%	2.23%	1.88%	1.41%	1.27%	0.96%	0.93%	0.91%	0.86%	0.62%
% Ringan / % Minor	4.53%	3.98%	3.29%	2.75%	2.52%	1.76%	1.81%	1.52%	1.42%	1.22%







**PENGANGKUTAN DARAT: REL**  
*Land Transport: Rail*



JADUAL 2.1: STATISTIK TRAFIK KERETAPI TANAH MELAYU BERHAD (KTMB), 2008-2017

Table 2.1: Malayan Railways Limited Traffic Statistics, 2008-2017

TAHUN Year	PERKHIDMATAN KERETAPI <i>Rail Services</i>					KTM KOMUTER <i>KTM Commuter</i>		ELECTRIC TRAIN SERVICES (ETS)		
	PENUMPANG <i>Passenger</i>		BARANGAN <i>Freight</i>		KONTENA <i>Container</i>	PENUMPANG <i>Passenger</i>		PENUMPANG <i>Passenger</i>		
	BIL <i>No</i> ( ' 000 )	KM PENUMPANG <i>Passenger</i> <i>Km</i> ( ' 000,000 )	TONNE <i>Tonnes</i> ( ' 000 )	TONNE KM <i>Tonnes Km</i> ( ' 000,000 )	TEU <i>Teus</i>	BIL <i>No</i> ( ' 000 )	RINGGIT MALAYSIA <i>Malaysia</i> <i>Ringgit</i> (RM)	BIL <i>No</i> ( ' 000 )	KM PENUMPANG <i>Passenger</i> <i>Km</i> ( ' 000,000 )	RINGGIT MALAYSIA <i>Malaysia</i> <i>Ringgit</i> (RM)
2008	3,974	1,468	4,824	1,350	203,939	36,557	88,621,721	-	-	-
2009	4,267	1,521	5,230	1,384	266,722	34,683	83,145,452	-	-	-
2010	4,216	1,529	5,431	1,483	238,251	34,995	82,631,250	215	53	5,569,532
2011	3,686	1,426	5,914	1,535	282,352	35,510	82,860,126	913	226	24,313,451
2012	3,056	1,216	6,096	1,564	331,870	34,847	79,268,057	1,180	276	31,885,949
2013	2,703	1,081	6,622	1,760	343,395	43,942	105,250,159	1,563	371	40,621,860
2014	2,223	618	7,136	1,741	318,033	46,957	112,853,011	1,692	323	44,328,039
2015	2,014	428	6,205	1,474	283,063	49,690	120,541,289	2,059	441	60,314,988
2016	2,791	272	5,991	1,349	331,901	41,469	151,530,125	3,565	966	145,521,561
2017	3,092	180	5,617	1,234	330,859	37,274	146,202,698	4,148	1,189	174,433,140

SUMBER: KERETAPI TANAH MELAYU BERHAD (KTMB)

Source: Malayan Railways Limited

Nota: ETS-Mula operasi pada Bulan Ogos 2010

Note: Electric Train Services (ETS) start operation on August 2010



JADUAL 2.2: BILANGAN PENUMPANG DAN KILOMETER PENUMPANG MENGIKUT KELAS, 2008-2017  
 Table 2.2: Number of Passengers and Passenger Kilometres by Classes, 2008-2017

TAHUN Year	BILANGAN PENUMPANG Number of Passengers ( '000 )				KILOMETER PENUMPANG Passenger Kilometres ( '000,000 )			
	KELAS SATU First Class	KELAS DUA Second Class	KELAS TIGA Third Class	JUMLAH Total	KELAS SATU First Class	KELAS DUA Second Class	KELAS TIGA Third Class	JUMLAH Total
2008	123.0	1,690.0	2,161.0	3,974.0	57.0	756.0	655.0	1,468.0
2009	114.0	2,014.0	2,139.0	4,267.0	50.0	829.0	642.0	1,521.0
2010	121.5	2,224.4	1,870.6	4,216.5	51.3	955.0	522.6	1,528.9
2011	134.0	2,199.6	1,351.6	3,685.2	59.8	1,010.6	355.3	1,425.6
2012	134.6	1,943.5	977.9	3,056.0	59.1	911.7	245.3	1,216.1
2013	124.4	1,857.2	721.2	2,702.8	52.0	856.3	172.6	1,080.9
2014	119.6	1,574.8	528.3	2,222.7	33.7	494.1	90.0	617.8
2015	81.4	1,678.5	254.8	2,014.7	24.7	346.5	56.5	427.7
2016	17.8	2,498.7	275.2	2,791.7	5.6	231.5	35.1	272.2
2017	-	2,851.5	240.8	3,092.3	-	160.3	19.4	179.6

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



JADUAL 2.3: BILANGAN PENUMPANG DAN KILOMETER PENUMPANG BAGI PERKHIDMATAN KERETAPI EKSPRES, 2008-2017  
 Table 2.3: Number of Passengers and Passenger Kilometres for Express Services, 2008-2017

TAHUN Year	EKSPRESS Express RAKYAT								EKSPRESS Express SINARAN							
	BILANGAN PENUMPANG Number of Passengers ('000)				KILOMETER PENUMPANG Passenger KM ('000,000)				BILANGAN PENUMPANG Number of Passengers ('000)				KILOMETER PENUMPANG Passenger KM ('000,000)			
	KELAS SATU First Class	KELAS DUA Second Class	KELAS TIGA Third Class	JUMLAH Total	KELAS SATU First Class	KELAS DUA Second Class	KELAS TIGA Third Class	JUMLAH Total	KELAS SATU First Class	KELAS DUA Second Class	KELAS TIGA Third Class	JUMLAH Total	KELAS SATU First Class	KELAS DUA Second Class	KELAS TIGA Third Class	JUMLAH Total
2008	51.0	322.0	-	<b>373.0</b>	22.0	136.0	-	<b>158.0</b>	34.0	212.0	22.0	<b>268.0</b>	12.0	84.0	8.0	<b>104.0</b>
2009	47.0	320.0	-	<b>367.0</b>	19.0	131.0	-	<b>150.0</b>	29.0	234.0	31.0	<b>294.0</b>	10.0	83.0	10.0	<b>103.0</b>
2010	46.0	335.0	-	<b>381.0</b>	14.0	134.0	-	<b>148.0</b>	26.0	208.0	1.0	<b>235.0</b>	9.4	75.0	0.4	<b>84.8</b>
2011	43.0	349.0	-	<b>392.0</b>	17.3	146.0	-	<b>163.3</b>	35.8	332.9	-	<b>368.7</b>	13.2	123.7	-	<b>136.9</b>
2012	38.0	290.0	-	<b>328.0</b>	12.0	120.0	-	<b>132.0</b>	36.0	318.0	-	<b>354.0</b>	12.0	122.0	-	<b>134.0</b>
2013	43.0	320.0	-	<b>363.0</b>	14.0	126.0	-	<b>140.0</b>	24.0	184.0	-	<b>208.0</b>	8.1	68.0	-	<b>76.1</b>
2014	70.0	299.0	-	<b>369.0</b>	24.0	110.0	-	<b>134.0</b>	36.0	141.0	-	<b>177.0</b>	12.0	44.0	-	<b>56.0</b>
2015	43.2	393.4	-	<b>436.6</b>	14.3	149.0	-	<b>163.3</b>	18.0	89.4	-	<b>107.4</b>	5.6	30.2	-	<b>35.8</b>
2016	5.9	150.8	-	<b>156.7</b>	5.3	21.6	-	<b>26.9</b>	-	-	-	-	-	-	-	-
2017	DIBATALKAN Cancelled															
TAHUN Year	EKSPRESS Express LANGKAWI								EKSPRESS Express WAU							
	BILANGAN PENUMPANG Number of Passengers ('000)				KILOMETER PENUMPANG Passenger KM ('000,000)				BILANGAN PENUMPANG Number of Passengers ('000)				KILOMETER PENUMPANG Passenger KM ('000,000)			
	KELAS SATU First Class	KELAS DUA Second Class	KELAS TIGA Third Class	JUMLAH Total	KELAS SATU First Class	KELAS DUA Second Class	KELAS TIGA Third Class	JUMLAH Total	KELAS SATU First Class	KELAS DUA Second Class	KELAS TIGA Third Class	JUMLAH Total	KELAS SATU First Class	KELAS DUA Second Class	KELAS TIGA Third Class	JUMLAH Total
2008	12.0	208.0	407.0	<b>627.0</b>	6.0	98.0	136.0	<b>240.0</b>	11.0	165.0	307.0	<b>483.0</b>	5.0	89.0	166.0	<b>260.0</b>
2009	11.0	209.0	387.0	<b>607.0</b>	4.0	116.0	137.0	<b>257.0</b>	12.0	169.0	280.0	<b>461.0</b>	7.0	94.0	160.0	<b>261.0</b>
2010	9.1	204.0	264.0	<b>477.1</b>	5.4	105.0	101.0	<b>211.4</b>	10.4	183.0	249.0	<b>442.4</b>	9.1	106.0	136.6	<b>251.7</b>
2011	9.7	211.1	167.3	<b>388.1</b>	4.9	112.0	64.8	<b>181.7</b>	8.7	203.4	210.1	<b>422.2</b>	5.5	120.1	117.8	<b>243.4</b>
2012	10.2	215.0	151.0	<b>376.2</b>	5.2	117.0	57.0	<b>179.2</b>	8.3	203.0	168.0	<b>379.3</b>	4.6	121.0	90.0	<b>215.6</b>
2013	10.5	269.0	121.0	<b>400.5</b>	5.4	139.0	43.0	<b>187.4</b>	8.0	231.0	102.0	<b>341.0</b>	4.3	130.0	51.0	<b>185.3</b>
2014	2.3	292.0	97.0	<b>391.3</b>	1.2	141.0	36.0	<b>178.2</b>	1.5	206.0	84.0	<b>291.5</b>	0.7	114.0	38.0	<b>152.7</b>
2015	6.1	291.6	184.9	<b>482.6</b>	2.0	149.7	66.2	<b>217.9</b>	-	-	-	-	-	-	-	-
2016	6.2	105.0	41.1	<b>152.3</b>	2.0	39.7	10.6	<b>52.3</b>	-	-	-	-	-	-	-	-
2017	DIBATALKAN Cancelled															

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



JADUAL 2.3: BILANGAN PENUMPANG DAN KILOMETER PENUMPANG BAGI PERKHIDMATAN KERETAPI EKSPRES, 2008-2017 (SAMB.)

Table 2.3: Number of Passengers and Passenger Kilometres for Express Services, 2008-2017 (Cont'd)

TAHUN Year	EKSPRESS <i>Express</i> SENANDUNG SUMATERA								EKSPRESS <i>Express</i> TIMURAN							
	BILANGAN PENUMPANG Number of Passengers ('000)				KILOMETER PENUMPANG Passenger KM ('000,000)				BILANGAN PENUMPANG Number of Passengers ('000)				KILOMETER PENUMPANG Passenger KM ('000,000)			
	KELAS SATU <i>First Class</i>	KELAS DUA <i>Second Class</i>	KELAS TIGA <i>Third Class</i>	JUMLAH <i>Total</i>	KELAS SATU <i>First Class</i>	KELAS DUA <i>Second Class</i>	KELAS TIGA <i>Third Class</i>	JUMLAH <i>Total</i>	KELAS SATU <i>First Class</i>	KELAS DUA <i>Second Class</i>	KELAS TIGA <i>Third Class</i>	JUMLAH <i>Total</i>	KELAS SATU <i>First Class</i>	KELAS DUA <i>Second Class</i>	KELAS TIGA <i>Third Class</i>	JUMLAH <i>Total</i>
2008	12.0	208.0	407.0	<b>627.0</b>	6.0	98.0	136.0	<b>240.0</b>	11.0	165.0	307.0	<b>483.0</b>	5.0	89.0	166.0	<b>260.0</b>
2009	6.0	247.2	0.5	<b>253.7</b>	6.0	116.1	0.2	<b>122.3</b>	-	281.0	263.0	<b>544.0</b>	-	144.0	130.0	<b>274.0</b>
2010	8.4	307.0	1.0	<b>316.4</b>	6.6	155.0	0.8	<b>162.4</b>	-	288.0	215.0	<b>503.0</b>	-	156.0	100.0	<b>256.0</b>
2011	16.7	246.3	-	<b>263.0</b>	9.7	136.9	-	<b>146.6</b>	3.9	293.4	116.8	<b>414.1</b>	2.8	162.8	62.3	<b>227.9</b>
2012	23.5	232.0	-	<b>255.5</b>	10.9	111.0	-	<b>121.9</b>	5.3	240.0	82.0	<b>327.3</b>	3.8	136.0	40.0	<b>179.8</b>
2013	25.0	248.0	-	<b>273.0</b>	11.6	113.0	-	<b>124.6</b>	-	246.0	71.0	<b>317.0</b>	-	137.0	36.0	<b>173.0</b>
2014	9.7	256.0	-	<b>265.7</b>	5.2	100.0	-	<b>105.2</b>	-	225.0	29.0	<b>254.0</b>	-	118.0	15.2	<b>133.2</b>
2015	7.9	238.9	-	<b>246.8</b>	3.3	106.3	-	<b>109.6</b>	-	60.1	9.5	<b>69.6</b>	-	28.3	5.7	<b>34.0</b>
2016	5.1	63.9	-	<b>69.0</b>	1.5	19.6	-	<b>21.1</b>	0.5	203.0	36.5	<b>240.0</b>	0.3	90.4	10.4	<b>101.1</b>
2017	DIBATALKAN <i>Cancelled</i>								-	264.4	3.1	<b>267.5</b>	-	116.6	0.8	<b>117.3</b>

Nota: Ekspres Rakyat, Ekspres Langkawi dan Ekspres Senandung Sutura perkhidmatan tren dibatalkan dari Jun-Dis 2016 akibat banjir (Chegar-Kuala Krai) pada 23 Disember 2014 dan penutupan Landasan oleh SPAD.  
: Ekspres Sinaran dan Ekspres Wau perkhidmatan tren dibatalkan dari Jan - Dis 2016 akibat banjir (Chegar-Kuala Krai) pada 23 Disember 2014 dan penutupan Landasan oleh SPAD.

SUMBER: KERETAPI TANAH MELAYU BERHAD (KTMB)

Source: *Malayan Railways Limited*

JADUAL 2.4: TRAFIK BARANGAN MENGIKUT JENIS KARGO, 2008–2017  
 Table 2.4: Freight Traffic by Type of Cargo, 2008–2017

JENIS KARGO <i>Type of Cargo</i>	(' 000)	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
SIMEN & KLINKER <i>Cement &amp; Clinker</i>	Tonne	1,474	1,704	1,814	2,224	2,353	2,594	2,358	2,166	1,870	1,727
	t km	390,869	531,335	605,926	732,170	800,581	926,262	794,218	709,409	561,405	496,426
KONTENA PERKAPALAN <i>Maritime Container</i>	Tonne	2,272	2,603	2,588	2,702	2,691	2,864	3,776	3,157	3,138	2,954
	t km	490,127	455,843	408,893	383,866	390,237	406,723	633,616	532,817	543,274	514,733
LANDBRIDGE <i>Landbridge</i>	Tonne	105	55	39	26	19	19	88	131	186	326
	t km	72,286	15,710	17,189	22,954	25,724	30,512	53,258	46,216	60,303	70,630
PETROL & MINYAK GALIAN <i>Petrol &amp; Mineral Oil</i>	Tonne	45	-	-	-	-	-	-	-	-	-
	t km	13,935	-	-	-	-	-	-	-	-	-
MAKANAN & MINUMAN PROSES <i>Processed Food &amp; Drink</i>	Tonne	433	476	487	459	417	413	418	421	431	377
	t km	315,429	319,811	308,923	221,428	168,725	169,418	187,878	161,968	150,592	135,934
BERAS, PADI & BRAN <i>Rice, Paddy &amp; Bran</i>	Tonne	-	-	-	-	-	-	-	-	-	-
	t km	-	-	-	-	-	-	-	-	-	-
GETAH <i>Rubber</i>	Tonne	-	-	-	-	-	-	-	-	-	-
	t km	-	-	-	-	-	-	-	-	-	-
GETAH CECAIR <i>Latex</i>	Tonne	-	-	-	-	-	-	-	-	-	-
	t km	-	-	-	-	-	-	-	-	-	-
KAYU BALAK <i>Logs</i>	Tonne	-	-	-	-	-	-	-	-	-	-
	t km	-	-	-	-	-	-	-	-	-	-
KAYU GERGAJI <i>Swan Timber</i>	Tonne	-	-	-	-	-	-	-	-	-	-
	t km	-	-	-	-	-	-	-	-	-	-
BIJIH & LAIN-LAIN GALIAN <i>Ore &amp; Other Minerals</i>	Tonne	11	6	2	0	-	-	-	-	-	-
	t km	1,573	102	38	2	-	-	-	-	-	-
KIMIA <i>Chemicals</i>	Tonne	347	259	298	287	337	341	377	327	348	234
	t km	21,935	18,390	22,422	19,770	19,774	21,047	25,256	21,838	23,423	15,919
MINYAK MAKAN <i>Edible Oil</i>	Tonne	-	-	-	-	-	-	-	-	-	-
	t km	-	-	-	-	-	-	-	-	-	-
LAIN-LAIN <i>Others</i>	Tonne	138	130	204	216	279	390	118	4	17	-
	t km	44,244	42,916	119,294	155,284	159,253	205,671	47,236	2,109	10,379	-
<b>JUMLAH</b> <i>Total</i>	Tonne	<b>4,825</b>	<b>5,233</b>	<b>5,432</b>	<b>5,915</b>	<b>6,096</b>	<b>6,621</b>	<b>7,135</b>	<b>6,206</b>	<b>5,990</b>	<b>5,617</b>
	t km	<b>1,350,398</b>	<b>1,384,107</b>	<b>1,482,685</b>	<b>1,535,474</b>	<b>1,564,294</b>	<b>1,759,633</b>	<b>1,741,462</b>	<b>1,474,357</b>	<b>1,349,376</b>	<b>1,233,642</b>

SUMBER: KERETAPI TANAH MELAYU BERHAD (KTMB)

Source: Malayan Railways Limited





JADUAL 2.5: JUMLAH HASIL BARANGAN MENGIKUT JENIS KARGO, 2008–2017  
 Table 2.5: Goods Revenue by Type of Cargo, 2008–2017

RM '000

JENIS KARGO <i>Type of Cargo</i>	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
SIMEN & KLINKER <i>Cement &amp; Clinker</i>	26,200	29,350	32,421	41,627	45,036	50,722	55,807	58,482	46,593	41,459
KONTENA PERKAPALAN <i>Maritime Container</i>	43,871	47,583	47,217	48,132	48,324	52,607	56,453	55,688	58,585	54,127
LANDBRIDGE <i>Landbridge</i>	20,500	13,644	8,054	5,610	5,367	4,072	4,892	5,740	10,929	14,150
PETROL & MINYAK GALIAN <i>Petrol &amp; Mineral Oil</i>	1,710	-	-	-	-	-	-	-	-	-
MAKANAN & MINUMAN PROSES <i>Processed Food &amp; Drink</i>	11,706	12,047	12,436	12,232	10,743	10,606	12,764	12,027	11,183	9,903
BERAS, PADI & BRAN <i>Rice, Paddy &amp; Bran</i>	-	-	-	-	-	-	-	-	-	-
GETAH <i>Rubber</i>	-	-	-	-	-	-	-	-	-	-
GETAH CECAIR <i>Latex</i>	-	-	-	-	-	-	-	-	-	-
KAYU BALAK <i>Logs</i>	-	-	-	-	-	-	-	-	-	-
KAYU GERGAJI <i>Swan Timber</i>	-	-	-	-	-	-	-	-	-	-
BIJIH & LAIN-LAIN GALIAN <i>Ore &amp; Other Minerals</i>	99	72	23	1	-	-	-	-	-	-
KIMIA <i>Chemicals</i>	4,592	3,064	3,653	3,460	3,959	4,678	5,269	4,255	6,667	5,365
MINYAK MAKAN <i>Edible Oil</i>	-	-	-	-	-	-	-	-	-	-
LAIN-LAIN <i>Others</i>	6,418	9,763	12,291	13,625	13,555	15,714	11,920	13,835	13,255	1,409
<b>JUMLAH</b> <i>Total</i>	<b>115,096</b>	<b>115,523</b>	<b>116,095</b>	<b>124,687</b>	<b>126,984</b>	<b>138,399</b>	<b>147,105</b>	<b>150,027</b>	<b>147,212</b>	<b>126,415</b>

SUMBER: KERETAPI TANAH MELAYU BERHAD (KTMB)

Source: *Malayan Railways Limited*

JADUAL 2.6: DAFTAR LOKOMOTIF, 2008–2017  
Table 2.6: Locomotive Inventory, 2008–2017

TAHUN Year	LALUAN UTAMA Mainline								TREN SET ELEKTRIK Electric Train Set				ENJIN LANGSIR Shunting				
	HIDRAULIK KELAS 21 Class 21 Hydraulic	KELAS Class 22	KELAS Class 23	KELAS Class 24	KELAS Class 25	KELAS Class 26	KELAS Class 29	JUMLAH Total	RELKAR (RELBAS) Rail-Car (Rail-Bus)	SET EMU Sets	SET ETS Sets	JUMLAH Total	LETRIK KELAS 15 Class 15 Electric	HIDRAULIK KELAS 16/17 Class 16/17 Hydraulic	LETRIK KELAS 18 Class 18 Electric	LETRIK KELAS 19 Class 19 Electric	JUMLAH Total
2008	-	5.0	11.0	21.0	17.0	20.0	-	74	-	54.0	-	54	-	-	-	10.0	10
2009	-	4.0	11.0	18.0	17.0	20.0	20.0	90	-	58.0	-	58	-	-	-	10.0	10
2010	-	-	7.0	18.0	17.0	20.0	20.0	82	-	58.0	-	58	-	-	-	10.0	10
2011	-	-	7.0	18.0	17.0	20.0	20.0	82	-	67.0	5.0	72	-	-	-	10.0	10
2012	-	-	7.0	18.0	17.0	20.0	20.0	82	-	60.0	5.0	65	-	-	-	1.0	1
2013	-	-	7.0	18.0	17.0	20.0	20.0	82	-	50.0	5.0	55	-	-	-	0.0	-
2014	-	-	7.0	17.0	17.0	20.0	20.0	81	-	96.0	5.0	101	-	-	-	4.0	4
2015	-	-	6.0	16.0	17.0	20.0	20.0	79	-	57.0	5.0	62	-	-	-	6.0	6
2016	-	-	6.0	16.0	17.0	20.0	20.0	79	-	57.0	15.0	72	-	-	-	6.0	6
2017	-	-	6.0	16.0	16.0	19.0	20.0	77	-	57.0	15.0	72	-	-	-	6.0	6

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



JADUAL 2.7: DAFTAR GERABAK BARANG, 2008-2017  
 Table 2.7: Freight Wagon Inventory, 2008-2017

TAHUN Year	GERABAK TERTUTUP Covered Wagons	GERABAK TEBING TINGGI High Side Wagons	GERABAK TEBING RENDAH Low Side Wagons	GERABAK TANGKI Tank Wagons				GERABAK BOLSTER Bolster Wagons	GERABAK TERNAKAN Livestock Wagons	LAIN-LAIN GERABAK Other Wagons	JUMLAH Total
				PETROLEUM Petroleum	MINYAK SAWIT Palm Oil	GETAH CECAIR Latex	AMMONIA Ammonia				
2008	244	2	234	116	-	2	12	1,901	3	1,097	<b>3,611</b>
2009	110	1	211	99	-	1	-	1,913	2	936	<b>3,273</b>
2010	85	-	173	95	-	1	-	1,882	-	925	<b>3,161</b>
2011	70	-	170	84	-	1	-	1,879	-	932	<b>3,136</b>
2012	70	-	170	84	-	1	-	1,879	-	932	<b>3,136</b>
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>

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



JADUAL 2.8: BILANGAN PENUMPANG BAGI PERKHIDMATAN SISTEM ALIRAN RINGAN, 2008-2017

Table 2.8: Number of Passengers for Light Rail Transit (LRT) Services, 2008-2017

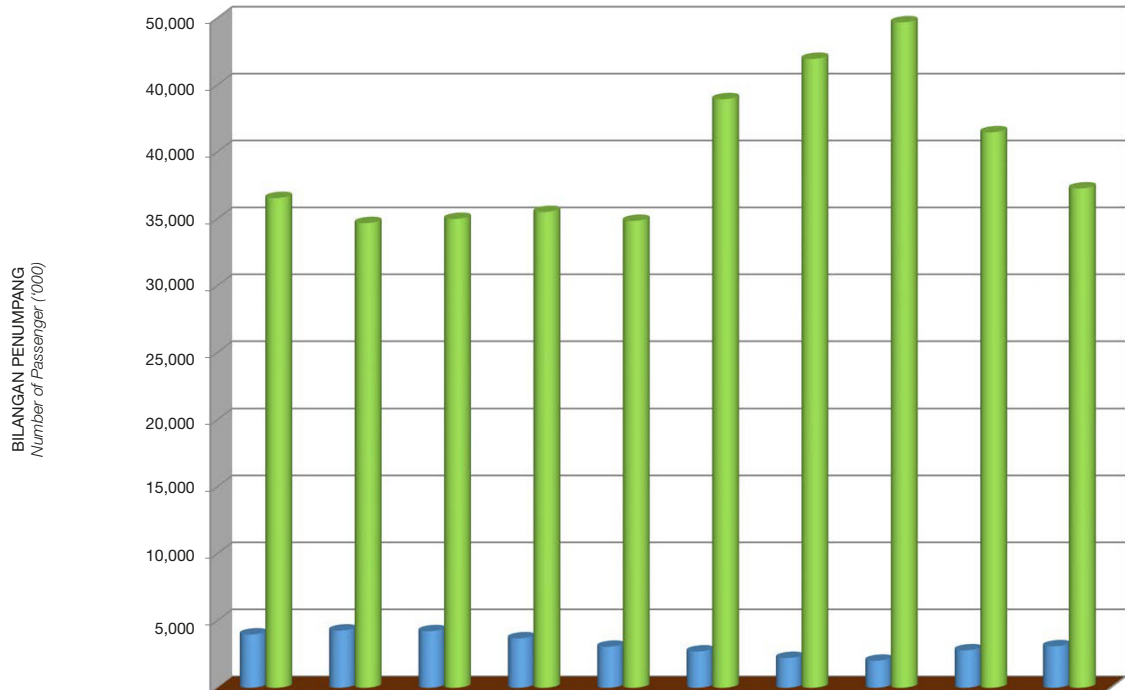
JENIS PERKHIDMATAN <i>Type of Services</i>	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
LALUAN KELANA JAYA	58,168,337	55,580,190	58,037,633	68,398,561	71,574,675	78,702,931	81,971,322	82,144,674	79,002,829	83,585,412
LALUAN AMPANG	51,009,480	49,375,077	51,572,177	53,568,672	56,809,978	60,207,397	63,270,432	62,809,412	59,192,907	59,462,032
LALUAN MRT SBK	-	-	-	-	-	-	-	-	-	22,350,508
KL MONORAIL	21,765,233	21,021,390	22,108,308	24,200,299	24,435,931	25,437,621	24,303,465	25,067,866	21,990,242	16,841,630
KLIA EKSPRES	1,578,706	1,419,827	1,508,734	1,581,476	1,649,410	2,063,419	2,928,302	3,470,710	2,419,883	2,275,650
KLIA TRANSIT	2,508,884	2,441,736	2,626,119	3,238,389	3,713,536	4,374,219	6,310,323	6,496,617	6,485,272	6,443,667

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

Note: MRT Sungai Buloh-Kajang (SBK) start operation on January 2017. Data 2017 is inclusive of non fare Ridership (Free ride).



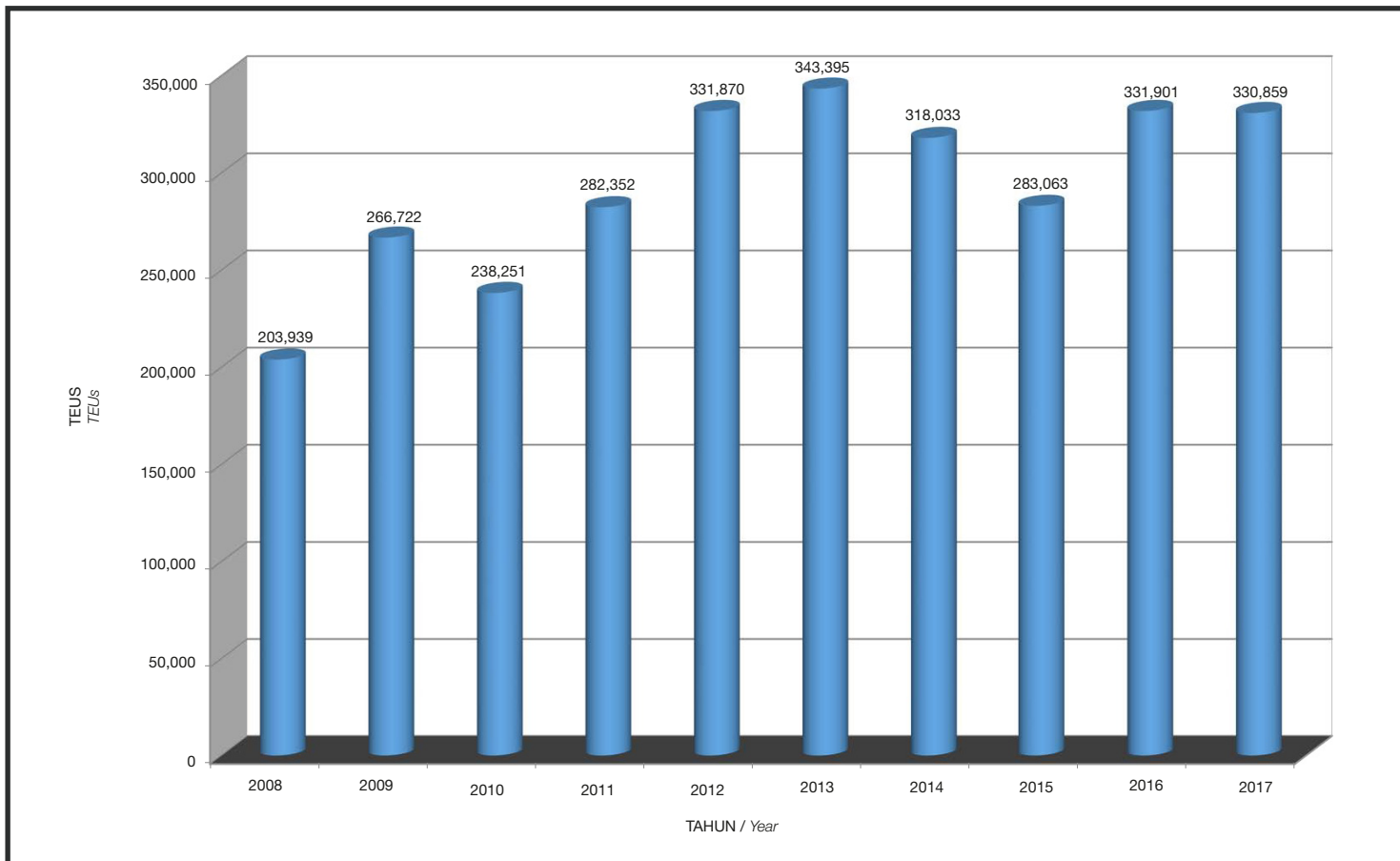
Carta 2.1: BILANGAN PENUMPANG KTMB DAN KTM KOMUTER BAGI PERKHIDMATAN KERETAPI TANAH MELAYU BERHAD, 2008-2017  
 Chart 2.1: Number of KTMB and Commuter Passengers for Malaysian Railways Limited, 2008-2017



	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Penumpang KTMB / <i>KTMB Passenger</i>	3,974	4,267	4,216	3,686	3,056	2,703	2,223	2,014	2,791	3,092
Penumpang Komuter / <i>Commuter Passenger</i>	36,557	34,683	34,995	35,510	34,847	43,942	46,957	49,690	41,469	37,274

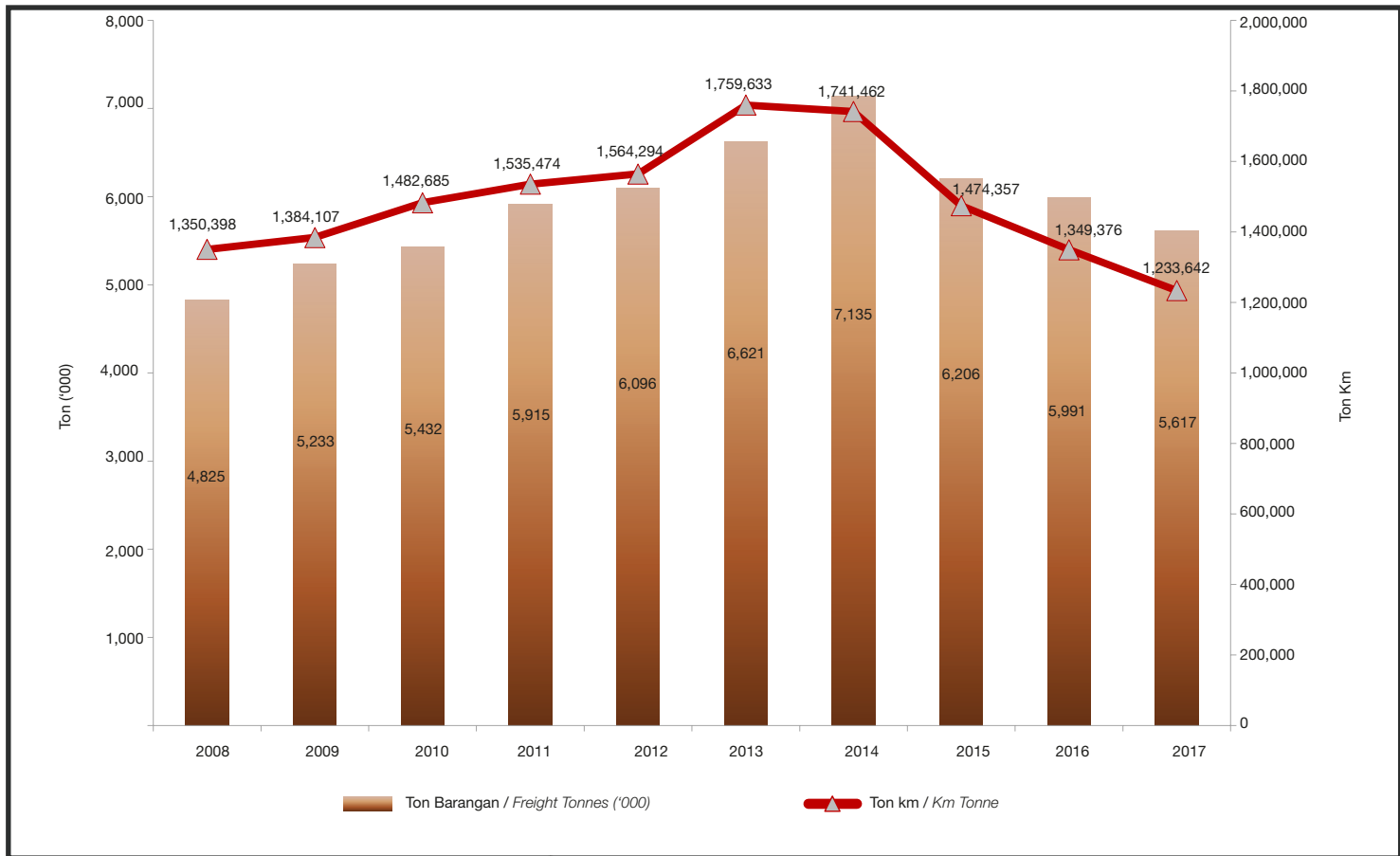
CARTA 2.2: JUMLAH KONTENA YANG DIKENDALIKAN KERETAPI TANAH MELAYU BERHAD, 2008-2017

Chart 2.2: Total Container Handled by Malayan Railways Limited, 2008-2017

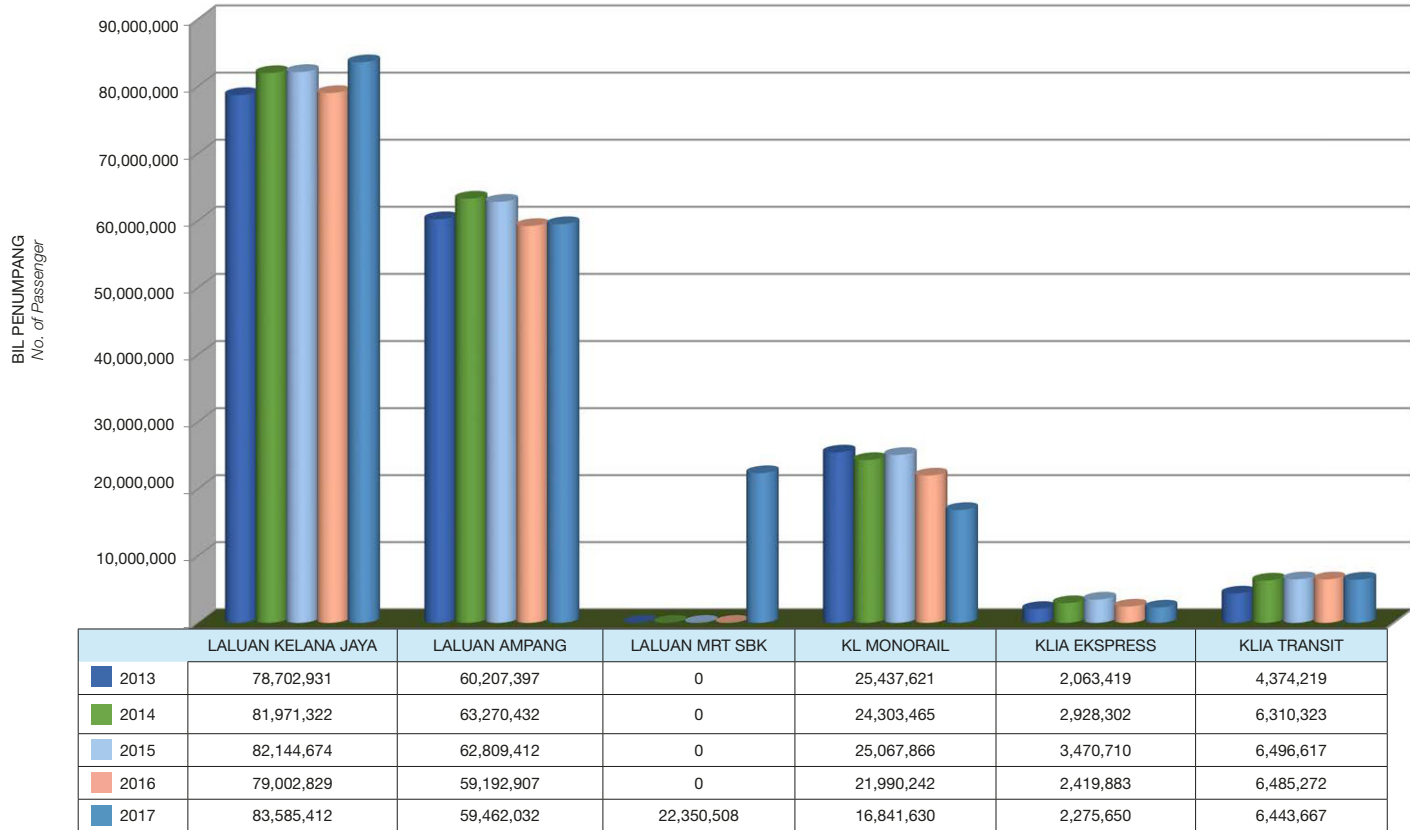


CARTA 2.3: TRAFIK BARANGAN BAGI PERKHIDMATAN KERETA TAPI TANAH MELAYU BERHAD (KTMB), 2008-2017

Chart 2.3: Freight Traffic for Malayan Railways Limited, 2008-2017



CARTA 2.4: BILANGAN PENUMPANG BAGI PERKHIDMATAN SISTEM ALIRAN RINGAN, 2013-2017  
 Chart 2.4: Number of Passengers for Light Rail Transit (LRT) Services, 2013-2017







**PENGANGKUTAN MARITIM**  
*Maritime Transport*



JADUAL 3.1: JUMLAH KARGO YANG DIKENDALIKAN MENGIKUT PELABUHAN, MALAYSIA, 2008-2017

Table 3.1: Total Cargo Throughput by Ports, Malaysia, 2008-2017

('000) FREIGHTWEIGHT TONNES

BIL No	PELABUHAN Ports		2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	
1	KELANG	EKSPORT Export	70,342	65,262	78,983	89,517	90,551	90,423	95,559	100,644	113,709	104,202	
		IMPORT Import	82,007	72,353	91,773	104,651	107,356	109,855	121,730	119,142	131,748	108,106	
		PINDAH KAPAL Trans-shipment	-	-	73	-	-	-	-	-	-	-	-
		<b>JUMLAH Total</b>	<b>152,349</b>	<b>137,615</b>	<b>170,829</b>	<b>194,168</b>	<b>197,907</b>	<b>200,278</b>	<b>217,289</b>	<b>219,786</b>	<b>245,457</b>	<b>212,308</b>	
2	PULAU PINANG	EKSPORT Export	10,707	10,531	12,434	12,870	12,894	12,934	12,865	13,024	13,816	14,715	
		IMPORT Import	14,967	13,251	15,861	15,899	15,918	16,497	16,421	16,676	16,482	17,416	
		PINDAH KAPAL Trans-shipment	325	496	551	620	515	650	761	614	679	642	
		<b>JUMLAH Total</b>	<b>25,999</b>	<b>24,278</b>	<b>28,846</b>	<b>29,390</b>	<b>29,328</b>	<b>30,081</b>	<b>30,047</b>	<b>30,314</b>	<b>30,978</b>	<b>32,773</b>	
3	JOHOR	EKSPORT Export	14,211	11,601	11,585	11,774	10,494	10,402	10,728	11,389	11,174	11,842	
		IMPORT Import	15,561	13,633	16,544	20,900	15,415	16,577	16,575	17,263	16,948	16,534	
		PINDAH KAPAL Trans-shipment	-	-	-	-	-	-	-	-	-	-	-
		<b>JUMLAH Total</b>	<b>29,772</b>	<b>25,234</b>	<b>28,129</b>	<b>32,674</b>	<b>25,909</b>	<b>26,979</b>	<b>27,303</b>	<b>28,652</b>	<b>28,122</b>	<b>28,376</b>	
4	KUANTAN	EKSPORT Export	5,574	6,835	8,050	11,073	12,021	15,099	17,001	36,255	12,149	11,734	
		IMPORT Import	3,831	3,438	4,030	4,133	4,043	4,233	4,365	3,775	4,192	5,728	
		PINDAH KAPAL Trans-shipment	-	-	-	-	-	-	-	-	-	-	-
		<b>JUMLAH Total</b>	<b>9,405</b>	<b>10,273</b>	<b>12,079</b>	<b>15,207</b>	<b>16,064</b>	<b>19,332</b>	<b>21,367</b>	<b>40,030</b>	<b>16,341</b>	<b>17,462</b>	

SUMBER: SEMUA PELABUHAN DAN JABATAN LAUT

Source: All Ports and Marine Department



JADUAL 3.1: JUMLAH KARGO YANG DIKENDALIKAN MENGIKUT PELABUHAN, MALAYSIA, 2008-2017 (SAMB.)

Table 3.1: Total Cargo Throughput by Ports, Malaysia, 2008-2017 (Cont'd)

('000) FREIGHTWEIGHT TONNES

BIL No	PELABUHAN Ports	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	
5	BINTULU	EKSPORT <i>Export</i>	34,724	33,302	34,777	36,138	35,134	37,652	38,149	37,463	38,310	40,433
		IMPORT <i>Import</i>	3,446	3,128	3,854	4,252	4,888	4,824	5,644	5,824	6,310	5,919
		PINDAH KAPAL <i>Trans-shipment</i>	2,301	2,014	1,995	1,313	1,136	1,329	1,602	1,450	1,379	1,293
		<b>JUMLAH <i>Total</i></b>	<b>40,471</b>	<b>38,444</b>	<b>40,625</b>	<b>41,703</b>	<b>41,158</b>	<b>43,805</b>	<b>45,395</b>	<b>44,737</b>	<b>45,999</b>	<b>47,645</b>
6	TANJUNG BRUAS	EKSPORT <i>Export</i>	14	25	37	82	115	177	144	44	84	63
		IMPORT <i>Import</i>	543	437	414	361	304	301	299	479	561	805
		PINDAH KAPAL <i>Trans-shipment</i>	-	-	-	-	-	-	-	-	-	-
		<b>JUMLAH <i>Total</i></b>	<b>557</b>	<b>463</b>	<b>451</b>	<b>443</b>	<b>420</b>	<b>477</b>	<b>443</b>	<b>523</b>	<b>645</b>	<b>868</b>
7	KUCHING	EKSPORT <i>Export</i>	2,136	1,815	2,144	2,148	1,875	2,183	2,284	2,529	2,260	1,900
		IMPORT <i>Import</i>	5,347	5,077	6,069	6,532	7,314	7,395	6,851	6,800	6,902	6,807
		PINDAH KAPAL <i>Trans-shipment</i>	68	-	-	-	-	-	-	-	-	-
		<b>JUMLAH <i>Total</i></b>	<b>7,551</b>	<b>6,892</b>	<b>8,213</b>	<b>8,679</b>	<b>9,189</b>	<b>9,578</b>	<b>9,134</b>	<b>9,329</b>	<b>9,162</b>	<b>8,707</b>
8	MIRI	EKSPORT <i>Export</i>	6,155	5,028	5,410	4,908	4,823	5,563	5,226	4,701	4,494	4,321
		IMPORT <i>Import</i>	684	605	746	865	842	866	697	579	591	682
		PINDAH KAPAL <i>Trans-shipment</i>	-	-	-	-	-	-	-	-	-	-
		<b>JUMLAH <i>Total</i></b>	<b>6,839</b>	<b>5,633</b>	<b>6,156</b>	<b>5,773</b>	<b>5,665</b>	<b>6,429</b>	<b>5,923</b>	<b>5,280</b>	<b>5,086</b>	<b>5,003</b>

SUMBER: SEMUA PELABUHAN DAN JABATAN LAUT

Source: All Ports and Marine Department



JADUAL 3.1: JUMLAH KARGO YANG DIKENDALIKAN MENGIKUT PELABUHAN, MALAYSIA, 2008-2017 (SAMB.)

Table 3.1: Total Cargo Throughput by Ports, Malaysia, 2008-2017 (Cont'd)

('000) FREIGHTWEIGHT TONNES

BIL No	PELABUHAN Ports		2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	
9	RAJANG	EKSPORT <i>Export</i>	3,404	3,191	3,506	3,225	1,649	613	453	374	298	185	
		IMPORT <i>Import</i>	1,604	1,546	1,680	1,825	1,614	1,513	1,325	1,150	1,109	1,000	
		PINDAH KAPAL <i>Trans-shipment</i>	-	-	-	-	-	-	-	-	-	-	-
		<b>JUMLAH <i>Total</i></b>	<b>5,008</b>	<b>4,737</b>	<b>5,186</b>	<b>5,050</b>	<b>3,263</b>	<b>2,126</b>	<b>1,778</b>	<b>1,524</b>	<b>1,407</b>	<b>1,185</b>	
10	SABAH	EKSPORT <i>Export</i>	16,493	14,095	14,963	14,595	13,852	13,931	14,308	15,101	21,692	23,424	
		IMPORT <i>Import</i>	12,660	10,675	13,427	13,340	13,851	13,487	14,064	12,744	11,850	12,083	
		PINDAH KAPAL <i>Trans-shipment</i>	-	-	-	-	-	-	-	-	-	-	-
		<b>JUMLAH <i>Total</i></b>	<b>29,153</b>	<b>24,770</b>	<b>28,391</b>	<b>27,936</b>	<b>27,703</b>	<b>27,418</b>	<b>28,372</b>	<b>27,844</b>	<b>33,542</b>	<b>35,507</b>	
11	PORT DICKSON	EKSPORT <i>Export</i>	3,047	3,072	2,372	2,114	2,613	2,928	2,470	2,331	2,064	4,155	
		IMPORT <i>Import</i>	8,810	10,976	10,285	11,256	11,755	10,179	9,542	11,714	11,711	11,811	
		PINDAH KAPAL <i>Trans-shipment</i>	-	-	-	-	-	-	-	-	-	-	-
		<b>JUMLAH <i>Total</i></b>	<b>11,857</b>	<b>14,048</b>	<b>12,657</b>	<b>13,370</b>	<b>14,368</b>	<b>13,107</b>	<b>12,013</b>	<b>14,045</b>	<b>13,774</b>	<b>15,966</b>	
12	KEMAMAN	EKSPORT <i>Export</i>	1,713	1,834	1,944	2,062	3,432	2,506	2,655	3,524	3,694	3,335	
		IMPORT <i>Import</i>	2,200	1,889	2,364	1,936	3,249	1,853	2,208	2,956	2,129	2,181	
		PINDAH KAPAL <i>Trans-shipment</i>	-	-	-	-	-	-	-	-	-	-	-
		<b>JUMLAH <i>Total</i></b>	<b>3,913</b>	<b>3,723</b>	<b>4,308</b>	<b>3,998</b>	<b>6,681</b>	<b>4,359</b>	<b>4,864</b>	<b>6,480</b>	<b>5,824</b>	<b>5,516</b>	

SUMBER: SEMUA PELABUHAN DAN JABATAN LAUT

Source: All Ports and Marine Department



JADUAL 3.1: JUMLAH KARGO YANG DIKENDALIKAN MENGIKUT PELABUHAN, MALAYSIA, 2008-2017 (SAMB.)

Table 3.1: Total Cargo Throughput by Ports, Malaysia, 2008-2017 (Cont'd)

('000) FREIGHTWEIGHT TONNES

BIL No	PELABUHAN Ports		2008	2009	2010	2011	2012	2014	2013	2015	2016	2017	
13	TELUK EWA	EKSPORT Export	3,379	3,381	3,223	3,057	3,237	3,473	3,059	2,794	2,927	2,338	
		IMPORT Import	744	637	729	788	696	706	717	596	516	535	
		PINDAH KAPAL Trans-shipment	-	-	-	-	-	-	-	-	-	-	-
		<b>JUMLAH Total</b>	<b>4,123</b>	<b>4,019</b>	<b>3,952</b>	<b>3,845</b>	<b>3,933</b>	<b>4,180</b>	<b>3,776</b>	<b>3,391</b>	<b>3,443</b>	<b>2,873</b>	
14	TANJUNG PELEPAS	EKSPORT Export	3,349	3,322	3,587	4,727	5,187	5,178	5,393	5,484	5,547	5,813	
		IMPORT Import	1,378	1,312	1,224	1,259	1,412	1,584	1,823	1,988	2,134	2,203	
		PINDAH KAPAL Trans-shipment	83,228	90,521	95,154	109,474	112,392	115,905	126,825	130,994	121,661	122,506	
		<b>JUMLAH Total</b>	<b>87,955</b>	<b>95,155</b>	<b>99,965</b>	<b>115,459</b>	<b>118,991</b>	<b>122,667</b>	<b>134,040</b>	<b>138,466</b>	<b>129,342</b>	<b>130,522</b>	
<b>JUMLAH BESAR Grand Total</b>		EKSPORT Export	175,248	163,295	183,014	198,290	197,878	203,063	210,295	235,657	232,219	228,459	
		IMPORT Import	153,782	138,957	169,000	187,997	188,656	189,868	202,260	201,686	213,182	191,810	
		PINDAH KAPAL Trans-shipment	85,922	93,031	97,774	111,407	114,043	117,884	129,188	133,058	123,719	124,441	
		<b>JUMLAH Total</b>	<b>414,952</b>	<b>395,284</b>	<b>449,787</b>	<b>497,695</b>	<b>500,578</b>	<b>510,815</b>	<b>541,744</b>	<b>570,401</b>	<b>569,120</b>	<b>544,711</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, 2017  
 Table 3.2: Total Cargo Throughput by Ports and Type, Malaysia, 2017

(‘000) FREIGHTWEIGHT TONNES

PELABUHAN <i>Ports</i>	PUKAL KERING <i>Dry Bulk</i>		PUKAL CECAIR <i>Liquid Bulk</i>		KARGO AM <i>General Cargo</i>		JUMLAH <i>Total</i>	KARGO DI DALAM KONTENA <i>Containerised Cargo</i>	JUMLAH BESAR <i>Grand Total</i>
	PERDAGANGAN LUAR NEGERI <i>Foreign Trade</i>	PERDAGANGAN DALAM NEGERI <i>Local Trade</i>	PERDAGANGAN LUAR NEGERI <i>Foreign Trade</i>	PERDAGANGAN DALAM NEGERI <i>Local Trade</i>	PERDAGANGAN LUAR NEGERI <i>Foreign Trade</i>	PERDAGANGAN LUAR NEGERI <i>Foreign Trade</i>			
KELANG	9,027	1,366	4,274	2,208	5,539	3,049	25,463	186,845	<b>212,308</b>
PULAU PINANG	494	3,803	515	3,893	512	770	9,987	22,786	<b>32,773</b>
JOHOR	-	-	-	-	-	-	28,376	-	<b>28,376</b>
KUANTAN	7,812	20	2,712	1,205	2,940	54	14,744	2,718	<b>17,462</b>
BINTULU	948	3,378	5,400	31,404	218	1,393	42,741	4,904	<b>47,645</b>
TANJUNG BRUAS	343	-	23	5	493	3	868	-	<b>868</b>
KUCHING	612	-	444	592	823	1,004	3,475	5,232	<b>8,707</b>
MIRI	322	68	1,301	1,430	597	1,286	5,003	-	<b>5,003</b>
RAJANG	18	-	3	-	9	49	79	1,106	<b>1,185</b>
SABAH	-	-	-	-	-	-	35,507	-	<b>35,507</b>
PORT DICKSON	88	-	8,115	3,926	3,837	-	15,966	-	<b>15,966</b>
KEMAMAN	1,667	183	3,380	239	34	14	5,516	-	<b>5,516</b>
TELOK EWA	2,338	453	-	82	-	-	2,873	-	<b>2,873</b>
TANJUNG PELEPAS	-	-	-	-	-	-	-	130,522	<b>130,522</b>
<b>JUMLAH <i>Total</i></b>	<b>23,669</b>	<b>9,270</b>	<b>26,167</b>	<b>44,984</b>	<b>15,002</b>	<b>7,621</b>	<b>190,597</b>	<b>354,114</b>	<b>544,711</b>

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



JADUAL 3.3: BARANGAN YANG DIISI MENGIKUT PELABUHAN DAN JENIS, MALAYSIA, 2017  
 Table 3.3: Commodities Loaded by Ports And Types, Malaysia, 2017

(‘000) FREIGHTWEIGHT TONNES

PELABUHAN Ports	MINYAK KELAPA SAWIT Palm Oil	BUANGAN ISI SAWIT Palm Kemel Waste	PETROLEUM & MINYAK PEMBAKAR Petroleum & Fuel Oil	GAS ASLI CECAIR Liquefied Natural Gas	GAS PETROLEUM CAIR Liquefied Petroleum Gas	KAYU KAYAN PROSES Processed Timber	KAYU BALAK Logs	BIJIRIN Grains/ Cereals	BESI/ BESI WAJA Iron/ Steel	BAHAN KIMIA/ BAJA Chemical/ Fertilizer	GETAH & SUSU GETAH Rubber & Latex	SIMEN/ KLINKER Cement/ Clinker	BIJIH & GALIAN Ore & Mineral	LAIN- LAIN Others	JUMLAH Total
KELANG	1,476	392	186	-	-	35	28	-	388	510	-	-	77	101,110	<b>104,202</b>
PULAU PINANG	338	0	1	-	-	937	1,498	6	370	946	3,043	0	-	7,575	<b>14,715</b>
JOHOR	-	-	-	-	-	-	-	-	-	-	-	-	-	11,842	<b>11,842</b>
KUANTAN	779	164	16	-	-	128	-	-	-	861	-	-	5,492	4,294	<b>11,734</b>
BINTULU	4,022	597	4,386	27,138	25	778	568	-	-	-	-	83	-	2,836	<b>40,433</b>
TANJUNG BRUAS	-	-	-	-	-	-	-	-	-	-	-	27	-	36	<b>63</b>
KUCHING	271	-	0	-	-	250	-	13	95	38	44	-	-	1,188	<b>1,900</b>
MIRI	-	-	-	-	-	-	-	-	-	-	-	-	-	4,321	<b>4,321</b>
RAJANG	-	2	3	-	-	77	-	-	12	-	-	-	-	91	<b>185</b>
SABAH	-	-	-	-	-	-	-	-	-	-	-	-	-	23,424	<b>23,424</b>
PORT DICKSON	-	-	4,155	-	-	-	-	-	-	-	-	-	-	-	<b>4,155</b>
KEMAMAN	-	-	262	-	515	-	-	-	-	-	-	-	1,422	1,138	<b>3,335</b>
TELOK EWA	-	-	-	-	-	-	-	-	-	-	-	2,338	-	-	<b>2,338</b>
TANJUNG PELEPAS	611	-	-	-	-	-	-	-	153	635	195	-	-	4,219	<b>5,813</b>
<b>JUMLAH Total</b>	<b>7,497</b>	<b>1,155</b>	<b>9,008</b>	<b>27,138</b>	<b>540</b>	<b>2,206</b>	<b>2,094</b>	<b>19</b>	<b>1,018</b>	<b>2,989</b>	<b>3,283</b>	<b>2,448</b>	<b>6,991</b>	<b>162,073</b>	<b>228,459</b>

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



JADUAL 3.4: BARANGAN YANG DIPUNGGAH MENGIKUT PELABUHAN DAN JENIS, MALAYSIA, 2017

Table 3.4: Commodities Unloaded by Ports And Types, Malaysia, 2017

('000) FREIGHTWEIGHT TONNES

PELABUHAN Ports	MINYAK KELAPA SAWIT Palm Oil	PETROLEUM & MINYAK PEMBAKAR Petroleum & Fuel Oil	BESI/ BESI WAJA Iron/ Steel	BIJIRIN Grains/ Cereals	GULA Sugar	BAHAN KIMIA/ BAJA Chemical/ Fertilizer	MESIN/ PERALATAN CKD Machinery/ Component CKD	KERTAS Paper Reels	KAIN Textiles	SIMEN/ KLINKER Cement/ Clinker	MAKANAN PROSES Processed Foodstuff	LAIN-LAIN Others	JUMLAH Total
KELANG	1,115	793	2,263	1,842	438	1,333	7	-	-	-	-	100,315	<b>108,106</b>
PULAU PINANG	181	3,267	889	1,338	1,244	426	955	578	157	-	485	7,894	<b>17,416</b>
JOHOR	-	-	-	-	-	-	-	-	-	-	-	16,534	<b>16,534</b>
KUANTAN	65	1,349	369	-	-	1,131	-	-	-	-	-	2,814	<b>5,728</b>
BINTULU	199	994	-	-	-	877	-	-	-	341	-	3,508	<b>5,919</b>
TANJUNG BRUAS	-	-	423	-	-	-	-	-	-	-	-	382	<b>805</b>
KUCHING	-	759	316	540	68	373	129	65	55	355	466	3,680	<b>6,807</b>
MIRI	-	-	-	-	-	-	-	-	-	-	-	682	<b>682</b>
RAJANG	-	26	68	20	7	83	109	19	25	-	207	436	<b>1,000</b>
SABAH	-	-	-	-	-	-	-	-	-	-	-	12,083	<b>12,083</b>
PORT DICKSON	-	-	-	-	-	-	-	-	-	-	-	11,811	<b>11,811</b>
KEMAMAN	-	-	-	-	-	-	-	-	-	-	-	2,181	<b>2,181</b>
TELOK EWA	-	-	-	-	-	-	-	-	-	-	-	535	<b>535</b>
TANJUNG PELEPAS	-	-	255	-	-	167	-	34	400	-	428	919	<b>2,203</b>
<b>JUMLAH Total</b>	<b>1,561</b>	<b>7,189</b>	<b>4,583</b>	<b>3,740</b>	<b>1,757</b>	<b>4,391</b>	<b>1,200</b>	<b>696</b>	<b>637</b>	<b>696</b>	<b>1,586</b>	<b>163,774</b>	<b>191,810</b>

SUMBER: SEMUA PELABUHAN DAN JABATAN LAUT

Source: All Ports and Marine Department





JADUAL 3.5 : JUMLAH KONTENA YANG DIKENDALIKAN MENGIKUT PELABUHAN, MALAYSIA, 2008-2017  
 Table 3.5 : Total Container Throughput By Ports, Malaysia, 2008-2017

TEUs

BIL No	PELABUHAN Ports		2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
1	KELANG	EKSPORT <i>Export</i>	1,598,544	1,478,354	1,718,845	1,720,542	1,821,995	1,860,613	1,942,773	1,979,828	2,063,736	2,161,053
		IMPORT <i>Import</i>	1,629,977	1,515,743	1,716,304	1,794,508	1,872,867	1,907,495	1,962,431	1,976,188	2,038,527	2,174,755
		PINDAH KAPAL <i>Trans-shipment</i>	4,745,058	4,315,682	5,436,596	6,088,876	6,306,633	6,582,299	7,040,600	7,930,669	9,107,314	7,642,358
		<b>JUMLAH <i>Total</i></b>	<b>7,973,579</b>	<b>7,309,779</b>	<b>8,871,745</b>	<b>9,603,926</b>	<b>10,001,495</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>
2	PULAU PINANG	EKSPORT <i>Export</i>	487,049	450,999	532,936	570,500	565,516	593,785	594,255	612,993	681,463	723,632
		IMPORT <i>Import</i>	401,727	444,530	506,841	557,050	538,074	565,894	563,557	603,007	661,323	705,922
		PINDAH KAPAL <i>Trans-shipment</i>	28,855	62,947	66,321	74,629	62,143	78,034	107,900	101,352	94,334	94,274
		<b>JUMLAH <i>Total</i></b>	<b>917,631</b>	<b>958,476</b>	<b>1,106,098</b>	<b>1,202,179</b>	<b>1,165,733</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>
3	JOHOR	EKSPORT <i>Export</i>	400,849	367,368	394,192	344,213	332,905	339,939	350,721	364,705	373,986	411,989
		IMPORT <i>Import</i>	374,281	334,140	371,463	349,632	350,826	380,055	383,407	408,481	428,793	474,096
		PINDAH KAPAL <i>Trans-shipment</i>	159,637	143,348	110,613	136,495	117,327	37,029	58,373	27,338	24,234	14,607
		<b>JUMLAH <i>Total</i></b>	<b>934,767</b>	<b>844,856</b>	<b>876,268</b>	<b>830,340</b>	<b>801,058</b>	<b>757,023</b>	<b>792,501</b>	<b>800,524</b>	<b>827,013</b>	<b>900,692</b>
4	KUANTAN	EKSPORT <i>Export</i>	64,545	66,567	72,850	67,204	69,356	63,482	67,150	72,319	73,952	76,061
		IMPORT <i>Import</i>	61,936	65,320	69,134	64,943	66,726	62,746	63,902	68,360	67,687	70,978
		PINDAH KAPAL <i>Trans-shipment</i>	580	365	96	649	19	320	192	280	-	2
		<b>JUMLAH <i>Total</i></b>	<b>127,061</b>	<b>132,252</b>	<b>142,080</b>	<b>132,796</b>	<b>136,101</b>	<b>126,548</b>	<b>131,244</b>	<b>140,959</b>	<b>141,639</b>	<b>147,041</b>

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



JADUAL 3.5: JUMLAH KONTENA YANG DIKENDALIKAN MENGIKUT PELABUHAN, MALAYSIA, 2008-2017 (SAMB.)

Table 3.5: Total Container Throughput By Ports, Malaysia, 2008-2017 (Cont'd)

TEUs

BIL No	PELABUHAN Ports		2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
5	BINTULU	EKSPORT <i>Export</i>	78,645	68,926	74,600	70,707	84,809	89,986	94,434	86,669	99,703	119,215
		IMPORT <i>Import</i>	72,839	66,830	73,127	77,703	88,410	90,505	94,620	84,939	103,086	121,595
		PINDAH KAPAL <i>Trans-shipment</i>	138,683	112,634	103,569	67,041	57,834	69,862	81,441	72,091	74,322	68,339
		<b>JUMLAH Total</b>	<b>290,167</b>	<b>248,390</b>	<b>251,296</b>	<b>215,451</b>	<b>231,053</b>	<b>250,353</b>	<b>270,495</b>	<b>243,699</b>	<b>277,111</b>	<b>309,149</b>
6	KUCHING	EKSPORT <i>Export</i>	82,235	76,753	92,458	104,568	112,500	122,508	110,416	108,653	106,441	108,208
		IMPORT <i>Import</i>	87,836	82,677	94,631	103,441	108,141	108,492	109,222	111,541	113,198	114,277
		PINDAH KAPAL <i>Trans-shipment</i>	1,872	1,661	3,553	6,811	11,185	18,690	8,022	5,134	4,149	3,555
		<b>JUMLAH Total</b>	<b>171,943</b>	<b>161,091</b>	<b>190,642</b>	<b>214,820</b>	<b>231,826</b>	<b>249,690</b>	<b>227,660</b>	<b>225,328</b>	<b>223,788</b>	<b>226,040</b>
7	MIRI	EKSPORT <i>Export</i>	13,555	12,095	14,599	14,234	14,676	15,224	14,519	12,919	14,445	15,167
		IMPORT <i>Import</i>	14,530	13,007	15,174	17,605	16,823	18,723	18,373	16,458	16,266	14,681
		PINDAH KAPAL <i>Trans-shipment</i>	-	-	-	-	-	-	-	-	-	-
		<b>JUMLAH Total</b>	<b>28,085</b>	<b>25,102</b>	<b>29,773</b>	<b>31,839</b>	<b>31,499</b>	<b>33,947</b>	<b>32,892</b>	<b>29,377</b>	<b>30,711</b>	<b>29,848</b>
8	RAJANG	EKSPORT <i>Export</i>	37,698	31,679	39,278	43,861	43,653	34,181	29,830	28,081	23,496	18,044
		IMPORT <i>Import</i>	36,622	34,531	41,055	44,839	45,878	46,896	46,258	42,375	39,282	37,321
		PINDAH KAPAL <i>Trans-shipment</i>	-	-	-	-	-	-	-	-	-	-
		<b>JUMLAH Total</b>	<b>74,320</b>	<b>66,210</b>	<b>80,333</b>	<b>88,700</b>	<b>89,531</b>	<b>81,077</b>	<b>76,088</b>	<b>70,456</b>	<b>62,778</b>	<b>55,365</b>

SUMBER: SEMUA PELABUHAN DAN JABATAN LAUT

Source: All Ports and Marine Department



JADUAL 3.5: JUMLAH KONTENA YANG DIKENDALIKAN MENGIKUT PELABUHAN, MALAYSIA, 2008-2017 (SAMB.)  
 Table 3.5: Total Container Throughput By Ports, Malaysia, 2008-2017 (Cont'd)

TEUs

BIL No	PELABUHAN Ports		2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
9	SABAH	EKSPORT <i>Export</i>	143,047	139,857	155,614	164,408	183,623	180,504	191,623	181,175	177,016	175,458
		IMPORT <i>Import</i>	144,156	136,063	156,961	168,511	183,656	183,984	193,362	180,100	179,055	177,361
		PINDAH KAPAL <i>Trans-shipment</i>	5,485	1,985	14,251	23,276	7,345	8,554	13,815	1,910	1,315	336
		<b>JUMLAH <i>Total</i></b>	<b>292,688</b>	<b>277,905</b>	<b>326,826</b>	<b>356,195</b>	<b>374,624</b>	<b>373,042</b>	<b>398,800</b>	<b>363,185</b>	<b>357,386</b>	<b>353,155</b>
10	TANJUNG PELEPAS	EKSPORT <i>Export</i>	214,404	190,953	208,210	285,093	308,625	310,572	322,792	325,775	326,569	336,086
		IMPORT <i>Import</i>	97,383	105,655	102,457	131,904	139,333	132,231	143,886	147,848	157,233	178,595
		PINDAH KAPAL <i>Trans-shipment</i>	5,154,404	5,538,477	5,988,066	6,885,463	7,045,848	6,973,716	7,765,434	8,325,125	7,796,909	7,745,929
		<b>JUMLAH <i>Total</i></b>	<b>5,466,191</b>	<b>5,835,085</b>	<b>6,298,733</b>	<b>7,302,460</b>	<b>7,493,805</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>JUMLAH BESAR <i>Grand Total</i></b>	<b>EKSPORT <i>Export</i></b>	<b>3,120,571</b>	<b>2,883,551</b>	<b>3,303,582</b>	<b>3,385,330</b>	<b>3,537,658</b>	<b>3,610,794</b>	<b>3,718,513</b>	<b>3,773,117</b>	<b>3,940,807</b>	<b>4,144,913</b>	
	<b>IMPORT <i>Import</i></b>	<b>2,921,287</b>	<b>2,798,496</b>	<b>3,147,147</b>	<b>3,310,136</b>	<b>3,410,734</b>	<b>3,497,021</b>	<b>3,579,018</b>	<b>3,639,297</b>	<b>3,804,450</b>	<b>4,069,581</b>	
	<b>PINDAH KAPAL <i>Trans-shipment</i></b>	<b>10,234,574</b>	<b>10,177,099</b>	<b>11,723,065</b>	<b>13,283,240</b>	<b>13,608,334</b>	<b>13,768,504</b>	<b>15,075,777</b>	<b>16,463,899</b>	<b>17,102,577</b>	<b>15,569,400</b>	
	<b>JUMLAH <i>Total</i></b>	<b>16,276,432</b>	<b>15,859,146</b>	<b>18,173,794</b>	<b>19,978,706</b>	<b>20,556,725</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>	

SUMBER: SEMUA PELABUHAN DAN JABATAN LAUT

Source: All Ports and Marine Department



JADUAL 3.6: JUMLAH KAPAL YANG BERLABUH MENGIKUT PELABUHAN, MALAYSIA, 2008-2017  
 Table 3.6: Total Number of Ships Calling by Ports, Malaysia, 2008-2017

PELABUHAN Ports		2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
KELANG	BIL / No	16,864	16,116	17,910	18,117	17,721	16,703	15,298	16,541	16,323	15,322
	GRT (' 000)	306,682	236,891	363,322	392,947	384,436	407,918	409,806	441,580	464,732	420,897
PULAU PINANG	BIL / No	5,779	5,559	6,136	6,327	7,796	6,309	6,137	6,226	7,008	6,610
	GRT (' 000)	37,068	42,411	60,978	62,034	66,941	63,992	59,389	64,526	68,936	82,140
JOHOR	BIL / No	5,823	5,121	4,882	4,899	4,252	4,133	3,964	3,984	4,044	3,951
	GRT (' 000)	41,037	41,348	38,177	36,864	30,286	29,614	25,894	28,096	30,672	31,781
KUANTAN	BIL / No	2,315	2,447	2,405	2,440	2,470	2,406	2,342	2,347	1,820	1,924
	GRT (' 000)	15,432	18,049	19,274	21,694	22,469	23,153	24,803	35,374	20,225	22,616
BINTULU	BIL / No	7,015	7,514	7,601	7,606	7,581	8,239	8,478	7,329	7,457	7,717
	GRT (' 000)	60,384	58,668	61,563	64,052	63,987	67,534	68,593	67,009	68,770	69,528
TANJUNG BRUAS	"BIL / No	147	115	104	104	91	117	352	305	236	528
	GRT (' 000)	508	406	383	405	384	471	3,786	4,433	649	5,143
KUCHING	BIL / No	2,190	1,899	2,111	1,982	1,933	2,054	1,897	2,012	1,759	1,542
	GRT (' 000)	8,666	8,444	9,716	10,132	10,337	10,624	10,784	11,079	10,797	10,410
MIRI	BIL / No	1,690	1,637	1,645	1,692	1,779	1,702	1,508	1,039	872	1,477
	GRT (' 000)	8,691	8,387	7,720	7,156	6,134	7,545	6,745	6,041	6,148	5,424
RAJANG	BIL / No	1,692	1,690	1,821	1,680	1,378	1,034	908	702	667	589
	GRT (' 000)	6,797	6,918	6,990	6,360	3,611	1,998	1,416	1,022	998	894
SABAH	BIL / No	13,540	13,227	13,125	12,754	14,641	13,228	14,178	13,769	11,242	9,914
	GRT (' 000)	35,265	33,840	33,336	36,467	37,897	40,811	46,468	42,146	45,492	47,450
PORT DICKSON	BIL / No	1,282	1,028	892	869	963	854	880	897	724	741
	GRT (' 000)	11,640	11,560	11,203	10,938	11,685	12,062	11,521	19,229	17,337	11,903
KEMAMAN	BIL / No	344	391	553	423	605	554	495	639	633	629
	GRT (' 000)	3,966	3,757	4,240	4,187	5,723	4,002	4,401	5,711	5,567	5,282
TELUK EWA	BIL / No	637	633	595	589	510	527	472	376	332	336
	GRT (' 000)	2,592	3,028	2,653	2,711	2,635	3,078	2,760	2,553	2,625	2,276
TANJUNG PELEPAS	BIL / No	3,760	3,776	4,162	5,125	5,041	4,793	4,759	4,696	4,470	4,404
	GRT (' 000)	30,112	30,208	33,296	41,000	40,328	38,344	38,072	37,568	35,760	35,232
<b>JUMLAH Total</b>	<b>BIL / No</b>	<b>63,078</b>	<b>61,153</b>	<b>63,942</b>	<b>64,607</b>	<b>66,761</b>	<b>62,653</b>	<b>61,668</b>	<b>60,862</b>	<b>57,587</b>	<b>55,684</b>
	<b>GRT (' 000)</b>	<b>568,840</b>	<b>503,915</b>	<b>652,852</b>	<b>696,948</b>	<b>686,953</b>	<b>711,145</b>	<b>714,437</b>	<b>766,368</b>	<b>778,708</b>	<b>750,978</b>

SUMBER: SEMUA PELABUHAN DAN JABATAN LAUT

Source: All Ports and Marine Department

GRT: Gross Register Tonnage



JADUAL 3.7: JENIS-JENIS KAPAL YANG BERLABUH MENGIKUT PELABUHAN, MALAYSIA, 2017  
 Table 3.7: Type of Ships Calling by Ports, Malaysia, 2017

PELABUHAN Ports	PERENTAS SAMUDERA <i>Foreign Going</i>							PERSISIRAN <i>Coastal</i>						JUMLAH BESAR <i>Grand Total</i>	
	KONTENA <i>Container</i>		KARGO AM <i>General Cargo</i>	TANKER CECAIR <i>Liquid Tankers</i>	PUKAL KERING <i>Dry Bulk</i>	LAIN-LAIN <i>Others</i>	JUMLAH <i>Total</i>	KONTENA <i>Container</i>		KARGO AM <i>General Cargo</i>	TANKER CECAIR <i>Liquid Tankers</i>	PUKAL KERING <i>Dry Bulk</i>	LAIN- LAIN <i>Others</i>		JUMLAH <i>Total</i>
	INDUK <i>Main Line</i>	FEEDER <i>Feeder</i>						INDUK <i>Main Line</i>	FEEDER <i>Feeder</i>						
KELANG	-	9,836	1,184	1,400	460	616	<b>13,496</b>	-	972	294	90	24	446	<b>1,826</b>	<b>15,322</b>
PULAU PINANG	842	612	777	787	196	2,130	<b>5,344</b>	-	-	31	187	-	1,048	<b>1,266</b>	<b>6,610</b>
JOHOR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>3,951</b>
KUANTAN	73	295	246	613	292	24	<b>1,543</b>	-	-	21	278	7	75	<b>381</b>	<b>1,924</b>
BINTULU	188	347	1,190	234	219	374	<b>2,552</b>	19	409	552	97	155	3,933	<b>5,165</b>	<b>7,717</b>
TANJUNG BRUAS	-	-	88	33	43	105	<b>269</b>	-	-	-	3	-	256	<b>259</b>	<b>528</b>
KUCHING	-	219	101	156	53	90	<b>619</b>	-	404	250	92	4	173	<b>923</b>	<b>1,542</b>
MIRI	-	-	166	27	60	-	<b>253</b>	-	48	1,133	41	2	-	<b>1,224</b>	<b>1,477</b>
RAJANG	-	-	2	2	5	-	<b>9</b>	-	480	100	-	-	-	<b>580</b>	<b>589</b>
SABAH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>9,914</b>
PORT DICKSON	-	-	48	376	25	-	<b>449</b>	-	-	1	276	15	-	<b>292</b>	<b>741</b>
KEMAMAN	-	-	21	480	102	-	<b>603</b>	-	-	5	16	5	-	<b>26</b>	<b>629</b>
TELOK EWA	-	-	-	5	64	80	<b>149</b>	-	-	-	56	98	33	<b>187</b>	<b>336</b>
TANJUNG PELEPAS	1,819	2,432	-	-	-	-	<b>4,251</b>	5	148	-	-	-	-	<b>153</b>	<b>4,404</b>
<b>JUMLAH Total</b>	<b>2,922</b>	<b>13,741</b>	<b>3,823</b>	<b>4,113</b>	<b>1,519</b>	<b>3,419</b>	<b>29,537</b>	<b>24</b>	<b>2,461</b>	<b>2,387</b>	<b>1,136</b>	<b>310</b>	<b>5,964</b>	<b>12,282</b>	<b>55,684</b>

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



JADUAL 3.8: BILANGAN KAPAL-KAPAL YANG DIDAFTARKAN DI MALAYSIA MENGIKUT JENIS (PENGELOMAN BARU) DAN BERAT, MALAYSIA, 2013-2017

Table 3.8: Number of Ships Registered in Malaysia by Type (New Classification) and Weight, Malaysia, 2013-2017

JENIS KAPAL <i>Type of Ship</i>	2013			2014			2015			2016			2017		
	BIL	GRT	NRT	BIL	GRT	NRT	BIL	GRT	NRT	BIL	GRT	NRT	BIL	GRT	NRT
	No	(' 000)	(' 000)	No.	(' 000)	(' 000)	No.	(' 000)	(' 000)	No.	(' 000)	(' 000)	No.	(' 000)	(' 000)
TANGKI MINYAK <i>Oil Tanker</i>	18	18	8	2	4	2	7	32	14	25	37	17	20	28	12
KAPAL LNG, LPG <i>LNG, LPG Carrier</i>	-	-	-	1	4	6	1	3	1	2	267	80	1	134	40
TANGKI KIMIA/PETROLEUM <i>Chemical/ Petroleum Tanker</i>	10	35	17	-	-	-	1	27	14	1	5	2	-	-	-
KAPAL PUKAL, BIJIH, KAYU BALAK <i>Bulk, Grain, Ore, Log Carrier</i>	2	98	61	-	-	-	1	16	10	5	209	128	3	95	59
KARGO AM, SEPARA KONTENA <i>General Cargo, Semi Container</i>	7	28	15	1	20	11	5	3	1	14	13	6	4	3	1
KAPAL PENUMPANG, AM/ PENUMPANG <i>Passenger, General/ Passenger Ship</i>	7	4	1	3	2	1	9	2	1	14	4	1	10	6	2
RO-RO	3	137	41	-	-	-	1	25	7	-	-	-	-	-	-
KONTENA PENUH <i>Full Container</i>	2	25	10	-	-	-	1	17	7	5	87	45	2	24	10
OFFSHORE SUPPORT VESSEL	23	50	16	5	11	3	11	18	6	22	42	13	19	34	10
TONGKANG <i>Barge</i>	43	117	36	10	30	11	14	45	14	33	78	25	53	62	20
LAIN-LAIN <i>Others</i>	191	428	145	38	99	30	75	70	21	142	195	75	118	71	22
<b>JUMLAH</b> <i>Total</i>	<b>306</b>	<b>939</b>	<b>351</b>	<b>60</b>	<b>170</b>	<b>63</b>	<b>126</b>	<b>257</b>	<b>95</b>	<b>263</b>	<b>937</b>	<b>393</b>	<b>230</b>	<b>456</b>	<b>176</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, 2013-2017

Table 3.9: Total of Ships Registered in Malaysia by Type (New Classification) and Weight, Malaysia, 2013-2017

JENIS KAPAL Type of Ship	2013			2014			2015			2016			2017		
	BIL	GRT	NRT	BIL	GRT	NRT	BIL	GRT	NRT	BIL	GRT	NRT	BIL	GRT	NRT
	No.	(' 000)	(' 000)	No.	(' 000)	(' 000)	No.	(' 000)	(' 000)	No.	(' 000)	(' 000)	No.	(' 000)	(' 000)
TANGKI MINYAK <i>Oil Tanker</i>	206	2,027	1,163	201	2,013	1,155	209	2,075	1,185	250	2,137	1,220	260	1,987	1,138
KAPAL LNG, LPG <i>LNG, LPG Carrier</i>	40	2,371	719	40	2,371	719	38	2,211	671	40	2,594	785	41	2,728	825
TANGKI KIMIA/PETROLEUM <i>Chemical/ Petroleum Tanker</i>	53	571	229	49	453	181	47	391	159	46	369	149	42	358	144
KAPAL PUKAL, BIJIH, KAYU BALAK <i>Bulk, Grain, Ore, Log Carrier</i>	14	192	111	13	164	95	13	206	127	15	377	233	17	469	291
KARGO AM, SEPARA KONTENA <i>General Cargo, Semi Container</i>	577	580	314	575	578	312	489	575	310	491	565	303	478	533	286
KAPAL PENUMPANG, AM/ PENUMPANG <i>Passenger, General/ Passenger Ship</i>	431	55	21	428	57	21	360	61	22	352	72	27	352	77	29
RO-RO	11	195	59	10	157	48	12	229	70	11	190	58	10	165	51
KONTENA PENUH <i>Full Container</i>	29	190	94	27	182	90	27	195	94	32	288	140	25	220	106
OFFSHORE SUPPORT VESSEL	256	244	75	263	273	84	276	316	98	290	328	102	299	356	110
TONGKANG <i>Barge</i>	1,427	1,378	480	1,417	1,399	489	1,431	1,493	517	1,489	1,585	542	1,493	1,580	541
LAIN-LAIN <i>Others</i>	2,104	2,451	968	2,116	2,691	1,046	2,232	2,906	1,139	2,461	3,434	1,321	2,465	3,511	1,340
<b>JUMLAH</b> <i>Total</i>	<b>5,148</b>	<b>10,253</b>	<b>4,234</b>	<b>5,139</b>	<b>10,338</b>	<b>4,240</b>	<b>5,134</b>	<b>10,658</b>	<b>4,392</b>	<b>5,477</b>	<b>11,939</b>	<b>4,880</b>	<b>5,482</b>	<b>11,984</b>	<b>4,859</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), 2013-2017

Table 3.10 : Total Number of Licenses Issued by Type of Cargo and Registration by Domestic Shipping Licensing Board (DSLBB), 2013-2017

JENIS KARGO Type of Cargo	2013		2014		2015		2016		2017	
	DAFTARAN MALAYSIA Malaysian Registered	DAFTARAN ASING Foreign Registered	DAFTARAN MALAYSIA Malaysian Registered	DAFTARAN ASING Foreign Registered	DAFTARAN MALAYSIA Malaysian Registered	DAFTARAN ASING Foreign Registered	DAFTARAN MALAYSIA Malaysian Registered	DAFTARAN ASING Foreign Registered	DAFTARAN MALAYSIA Malaysian Registered	DAFTARAN ASING Foreign Registered
KARGO KERING Dry Bulk	926	47	870	81	844	354	843	434	182	4
KELAPA SAWIT Palm Oil	42	65	33	47	36	42	35	71	33	45
PETROLEUM / DIESEL Petroleum / Diesel	204	731	194	732	223	646	218	821	207	696
PENUMPANG Passenger	125	35	140	34	129	35	138	33	143	32
KONTENA Container	40	41	36	50	38	39	36	36	41	19
KIMIA Chemical	17	104	15	105	8	173	10	131	0	0
KHIDMAT TUNDA Towing Services	634	561	597	468	669	583	681	602	680	555
PERALATAN KERJA CARI GALI Exploration Work Equipment	191	908	211	635	183	348	157	129	133	122
KENDERAAN / RO-RO Vehicle / Ro-ro	17	3	13	2	14	0	12	0	12	2
BAHAN BINAAN Construction Material	62	351	61	202	54	232	50	246	48	287
KAYU BALAK Log Wood	228	1	220	0	188	0	190	0	163	0
SIMEN KLINKER Clinker Cement	0	45	0	37	0	27	0	20	0	23
LAIN-LAIN Others	165	407	230	402	281	461	288	405	969	947
<b>JUMLAH Total</b>	<b>2,651</b>	<b>3,299</b>	<b>2,620</b>	<b>2,795</b>	<b>2,667</b>	<b>2,940</b>	<b>2,658</b>	<b>2,928</b>	<b>2,611</b>	<b>2,732</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 DALAM NEGERI (LPPDN), 2013-2017

Table 3.11: Total Number of Licenses Issued by Type of License and Registration by Domestic Shipping Licensing Board (DSLБ), 2013-2017

JENIS LESEN <i>Type of Licenses</i>	2013		2014		2015		2016		2017	
	DAFTARAN MALAYSIA <i>Malaysian Registered</i>	DAFTARAN ASING <i>Foreign Registered</i>	DAFTARAN MALAYSIA <i>Malaysian Registered</i>	DAFTARAN ASING <i>Foreign Registered</i>	DAFTARAN MALAYSIA <i>Malaysian Registered</i>	DAFTARAN ASING <i>Foreign Registered</i>	DAFTARAN MALAYSIA <i>Malaysian Registered</i>	DAFTARAN ASING <i>Foreign Registered</i>	DAFTARAN MALAYSIA <i>Malaysian Registered</i>	DAFTARAN ASING <i>Foreign Registered</i>
SEMENTARA <i>Temporary</i>	216	3,299	346	2,795	222	2,940	178	2,928	172	2,732
BERSYARAT <i>Conditional</i>	2,163	0	1,835	0	2,210	0	2,219	0	2,198	0
TANPA SYARAT <i>Unconditional</i>	272	0	439	0	235	0	261	0	241	0
<b>JUMLAH</b> <i>Total</i>	<b>2,651</b>	<b>3,299</b>	<b>2,620</b>	<b>2,795</b>	<b>2,667</b>	<b>2,940</b>	<b>2,658</b>	<b>2,928</b>	<b>2,611</b>	<b>2,732</b>

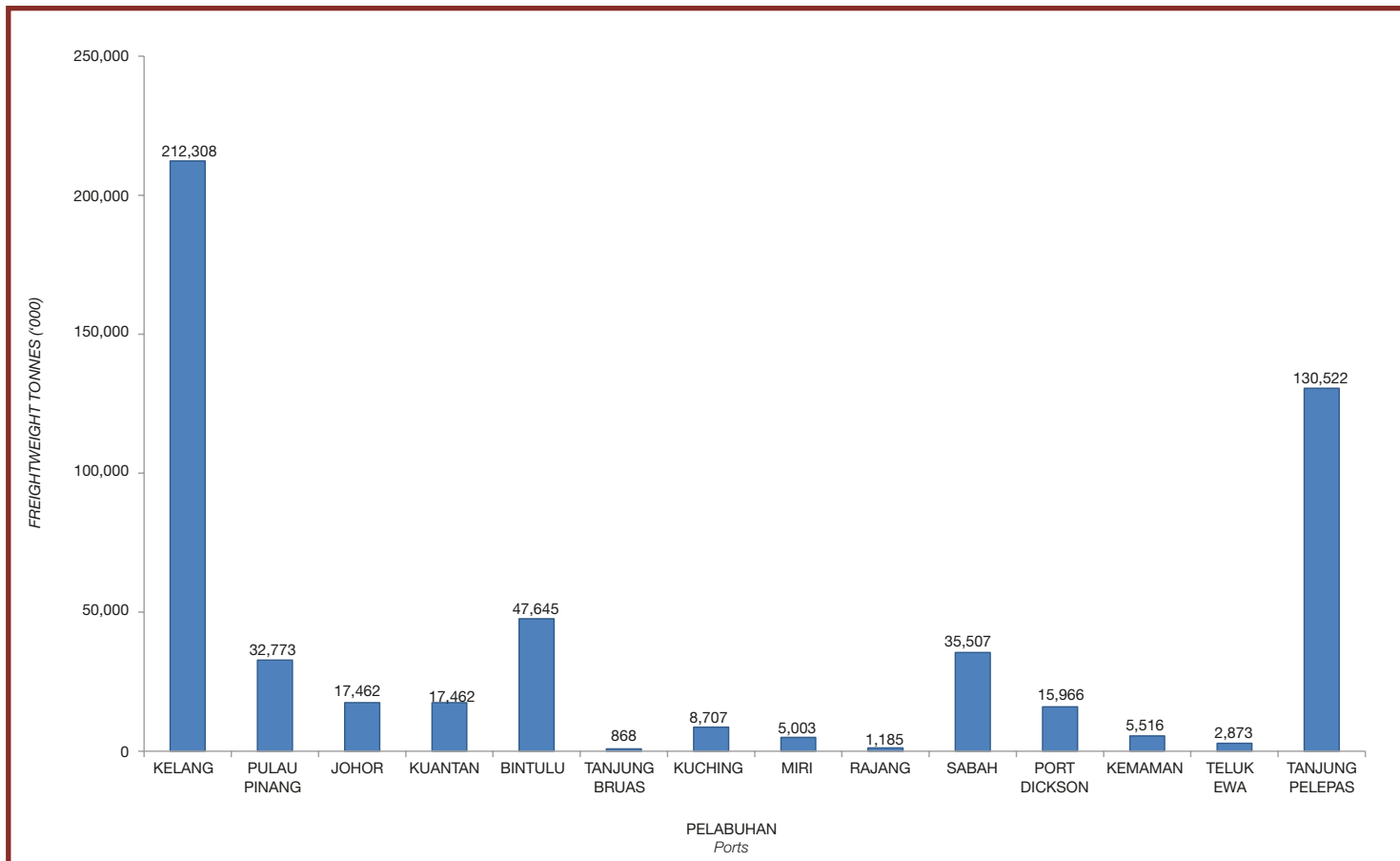
SUMBER: LEMBAGA PERLESENAN PERKAPALAN DALAM NEGERI (LPPDN), KEMENTERIAN PENGANGKUTAN

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



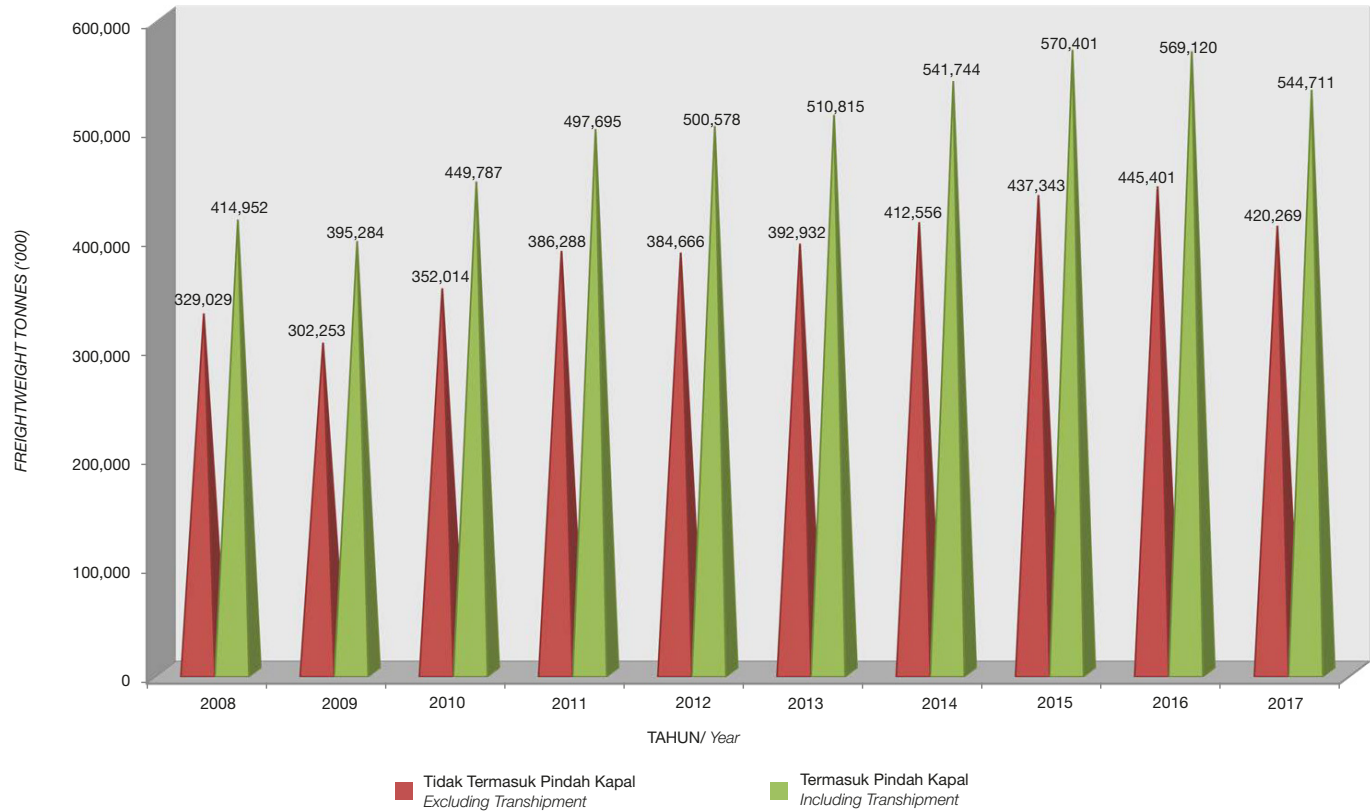
CARTA 3.1: JUMLAH KARGO YANG DIKENDALIKAN MENGIKUT PELABUHAN, MALAYSIA, 2017

Chart 3.1: Total Cargo Throughput by Ports, Malaysia, 2017

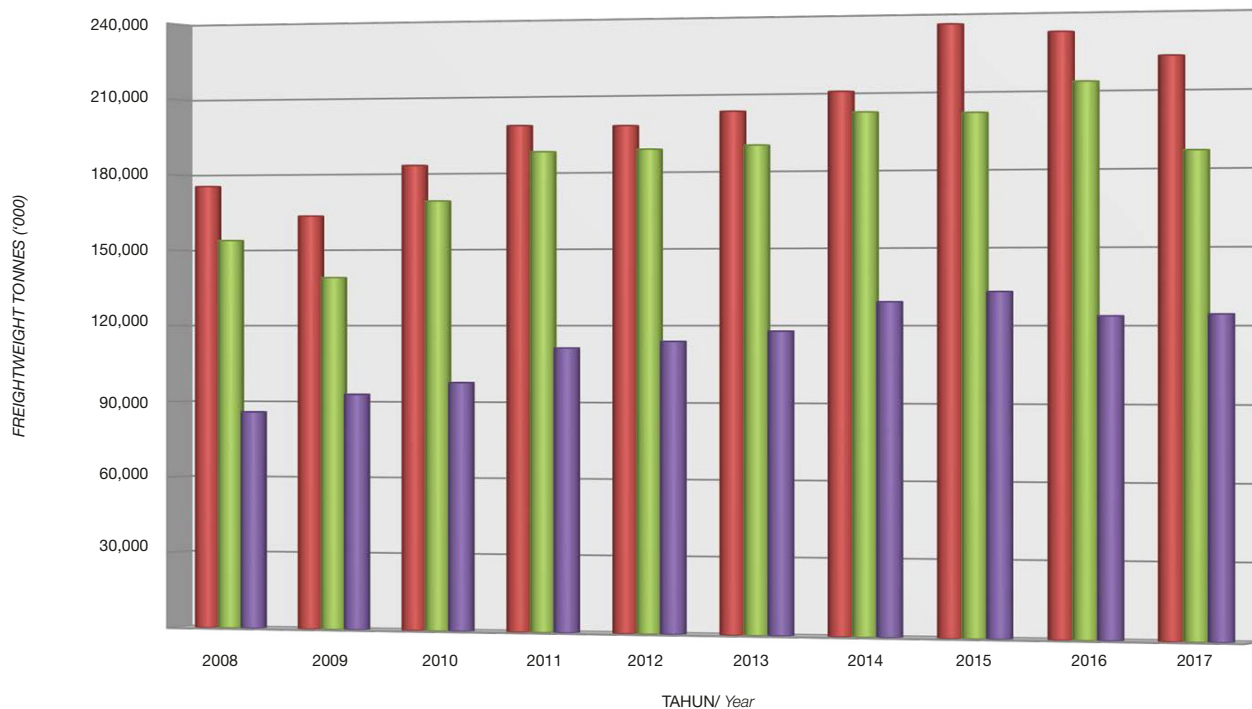


CARTA 3.2: JUMLAH KARGO YANG DIKENDALIKAN DI PELABUHAN, MALAYSIA , 2008-2017

Chart 3.2: Total Cargo Throughput at Ports, Malaysia, 2008-2017

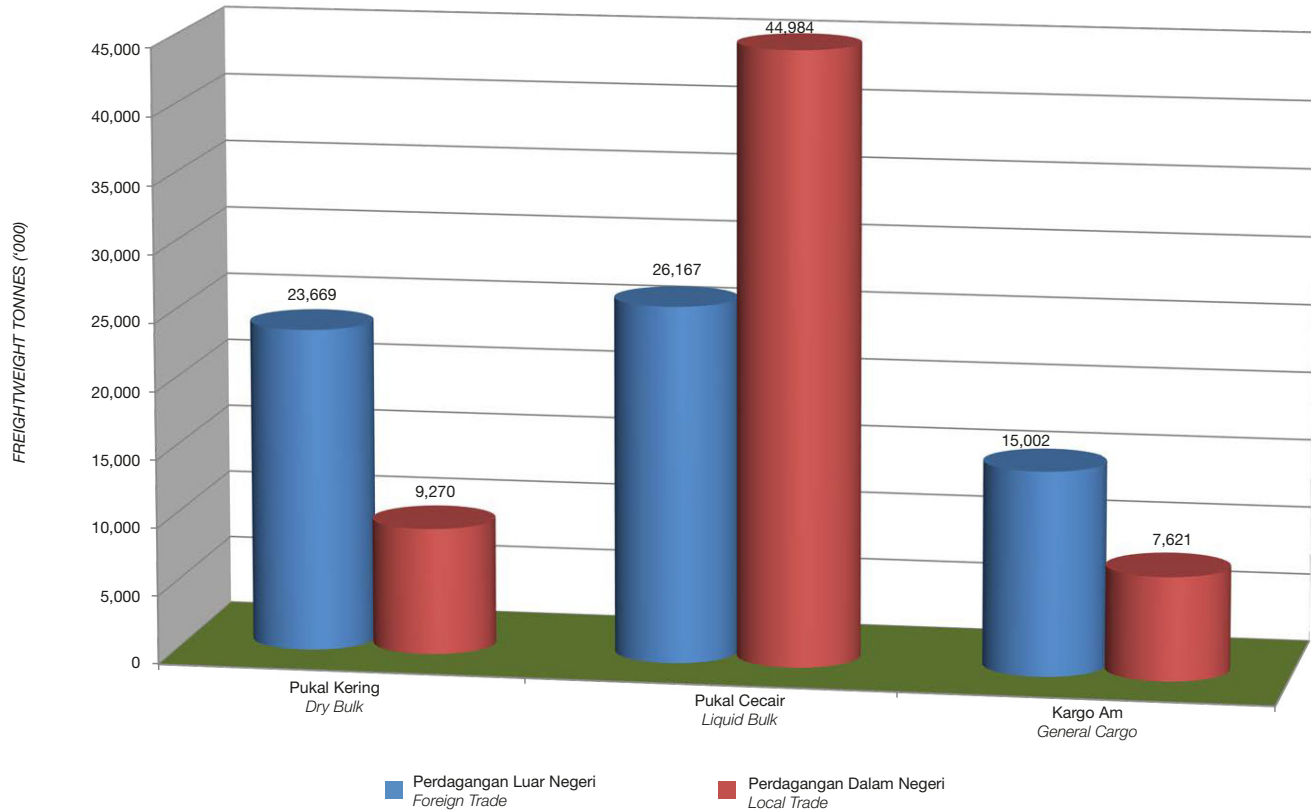


CARTA 3.3: JUMLAH KARGO DIKENDALIKAN MENGIKUT EKSPORT, IMPORT DAN PINDAH KAPAL DI PELABUHAN, MALAYSIA, 2008-2017  
 Chart 3.3: Total Cargo Throughput by Export, Import and Transhipment at Ports, Malaysia, 2008-2017

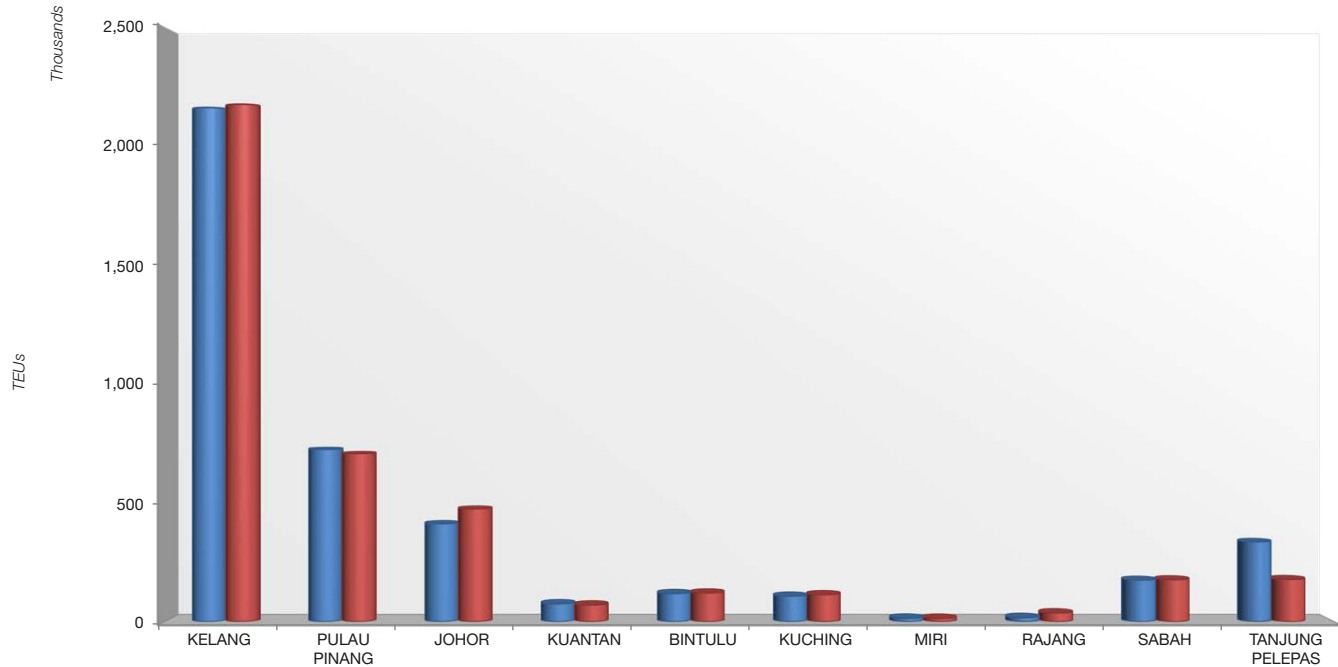


	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
■ Ekspor / Export	175,248	163,295	183,014	198,290	197,878	203,063	210,295	235,657	232,219	228,459
■ Import / Import	153,782	138,957	169,000	187,997	188,656	189,868	202,260	201,686	213,182	191,810
■ Pindah Kapal / Transhipment	85,922	93,031	97,774	111,407	114,043	117,884	129,188	133,058	123,719	124,441

CARTA 3.4: KENDALIAN KARGO UNTUK PERDAGANGAN DALAM NEGERI DAN LUAR NEGERI, 2017  
Chart 3.4: Cargo Handling for Local and Foreign Trade, 2017



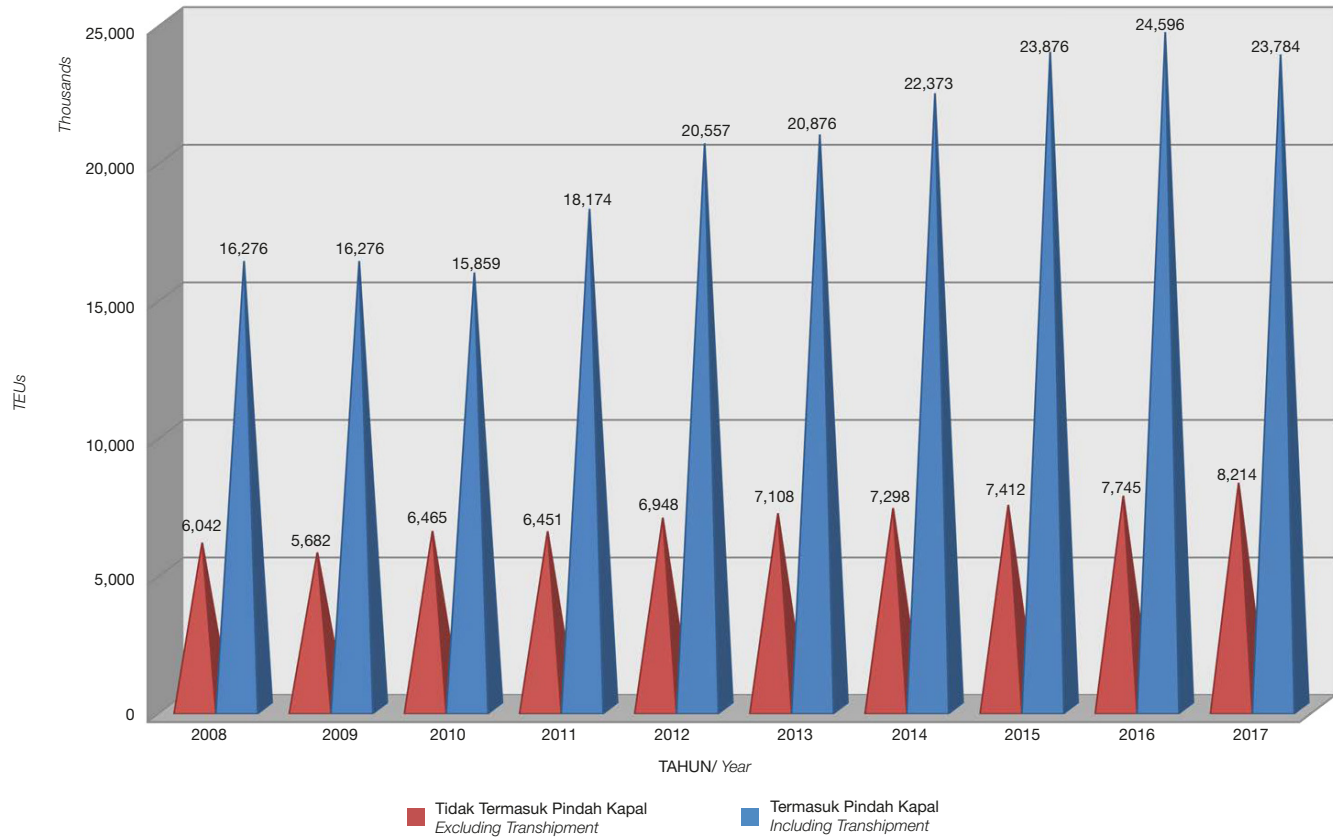
CARTA 3.5: PENGENDALIAN EKSPORT DAN IMPORT KONTENA MENGIKUT PELABUHAN, MALAYSIA, 2017  
 Chart 3.5: Handling of Export and Import Container by Ports, Malaysia, 2017



	KELANG	PULAU PINANG	JOHOR	KUANTAN	BINTULU	KUCHING	MIRI	RAJANG	SABAH	TANJUNG PELEPAS
Ekspor / Export	2,161,053	723,632	411,989	76,061	119,215	108,208	15,167	18,044	175,458	336,086
Import / Import	2,174,755	705,922	474,096	70,978	121,595	114,277	14,681	37,321	177,361	178,595

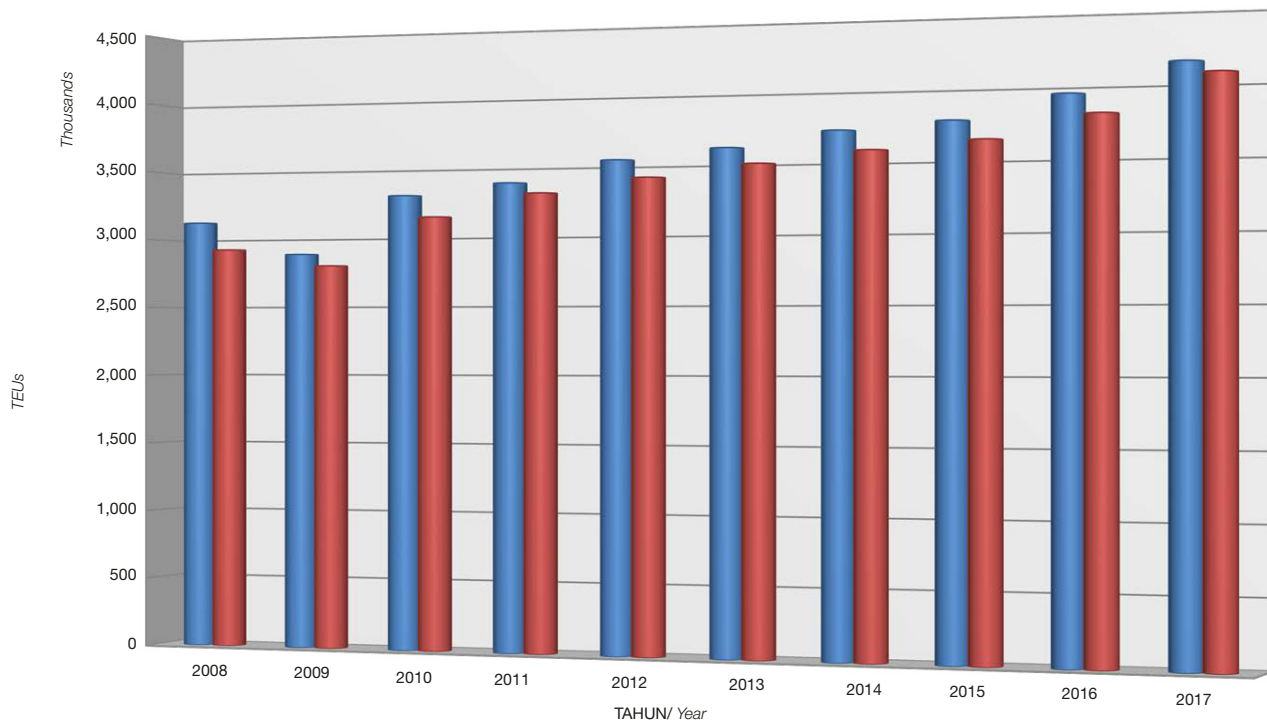


CARTA 3.6: JUMLAH KONTENA YANG DIKENDALIKAN DI PELABUHAN, MALAYSIA, 2008-2017  
 Chart 3.6: Total Container Throughput At Ports, Malaysia, 2008-2017



CARTA 3.7: PENGENDALIAN KONTENA EKSPORT DAN IMPORT MENGIKUT TAHUN, MALAYSIA, 2008-2017

Chart 3.7: Handling of Export and Import Container Year, Malaysia, 2008-2017



	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
<span style="color: blue;">■</span> Eksport / Export	3,120,571	2,883,551	3,303,582	3,385,330	3,537,658	3,610,794	3,718,513	3,773,117	3,940,807	4,144,913
<span style="color: red;">■</span> Import / Import	2,921,287	2,798,496	3,147,147	3,310,136	3,410,734	3,497,021	3,579,018	3,639,297	3,804,450	4,069,581







**PENGANGKUTAN UDARA**  
*Air Transport*



JADUAL 4.1: KEMUDAHAN LAPANGAN TERBANG ANTARABANGSA, MALAYSIA, 2017

Table 4.1: International Airport Facilities, Malaysia, 2017

LAPANGAN TERBANG <i>Airport</i>	KATEGORI PERKHIDMATAN BOMBA & PENYELAMAT <i>Airport Fire &amp; Rescue Services Category (AFRS)</i>	PANJANG/ LEBAR LANDASAN <i>Runway Length/ Width (m)</i>	KEUPAYAAN LANDASAN <i>Load Classification Number</i>	WAKTU BEROPERASI <i>Hours of Operation</i>	PENDARATAN PESAWAT TERBESAR <i>Biggest Aircraft Landed</i>	SISTEM PERHUBUNGAN & PEMALIMAN UDARA <i>Radio &amp; Air Navigational Aids</i>
KLIA	CAT IX	4124M X 60M (32R/14L) 4056M X 60M (32L/14R)	PCN 100 FCXT	24 HOURS	AIRBUS (A380)	2 X ILS/DME.VOR/DME, 2 X NDB, 2 X LCTR, APP. RADAR
KLIA2	CAT IX	4124M X 60M (32R/14L) 4056M X 60M (32L/14R)	PCN 100 FCXT	24 HOURS	AIRBUS (A380) & AN225	2 X ILS/DME.VOR/DME, 2 X NDB, 2 X LCTR, APP. RADAR
JOHOR	CAT VIII	3800M X 45M	PCN 70 F/C/X/T	2230-1600 UTC	AIRBUS A380	ILS/LLZ,GP/DME,NDB, DVOR/DME
PULAU PINANG	CAT IX	3352M X 45M	PCN 105F/B/X/U	24 HOURS	B747-800(RE- STRICTED)	ILS/LLZ,L/NDB, GP/DME, DVOR/DME
LANGKAWI	CAT VIII	3810M X 45M	PCN 77F/C/W/T	2300-1500 UTC	B747	ILS/LLZ,DVOR, GP/DME,NDB
KUCHING	CAT IX	3780M X 46M	PCN 82 /F/C/X/T	24 HOURS	B747	ILS/LLZ,GP/DME,NDB, DVOR/DME
KOTA KINABALU	CAT IX	2987M X 46M	PCN 59 F/B/X/U	24 HOURS	B747	ILS/LLZ,GP/DME,L, DVOR/DME

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



JADUAL 4.2: KEMUDAHAN LAPANGAN TERBANG DALAM NEGERI, MALAYSIA, 2017

Table 4.2: Domestic Airport Facilities, Malaysia, 2017

LAPANGAN TERBANG <i>Airport</i>	KATEGORI PERKHIDMATAN BOMBA & PENYELAMAT <i>Airport Fire &amp; Rescue Services Category (AFRS)</i>	PANJANG/LEBAR LANDASAN <i>Runaway Length/Width (m)</i>	KEUPAYAAN LANDASAN Load <i>Classification Number</i>	WAKTU BEROPERASI <i>Hours of Operation</i>	PENDARATAN PESAWAT TERBESAR <i>Biggest Aircraft Landed</i>	SISTEM PERHUBUNGAN & PEMALIMAN UDARA <i>Radio &amp; Air Navigational Aids</i>
ALOR SETAR	6	2745M X 45M	PCN 96/F/C/X/T	2230 - 1430 UTC	Designed for A330 but no A330 schedule flight, biggest aircraft is A320 only	ILS/LLZ,GP/DME, DVOR/DME,NDB
KOTA BHARU	6	1981M X 45M	PCN 51/F/A/W/T	2200 - 1530 UTC	B737-800	NDB, DVOR/DME, ILS/LLZ, GP/DME
KUANTAN	7	2804M X 46M	LCN 48 Tarmac	2230 - 1230 UTC	Designed for A330 but no A330 schedule flight, biggest aircraft is B734 only	L, ILS/LOC, GP/DME, DVOR/TACAN
KERTEH	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
IPOH	6	1798M X 36M	PCN 77/F/C/W/T	2300 - 1300 UTC	Designed for B737 but no B737 schedule flight, biggest aircraft is ATR-72 only	L, ILS/LOC, GP/DME, VOR/DME, VOR
MELAKA	5	2135M X 45M	PCN 47/F/D/X/T	2300 - 1100 UTC	Designed for A320 but no A320 schedule flight, biggest aircraft is ATR-72 only	NDB , DVOR/DME,L
KUALA TERENGGANU	Category 9 during Hajji flights operations with B747 aircraft, and Category 6 during A320 scheduled flights	3480M X 45M	PCN 75 F/B/X/T	2300 - 1400 UTC	Designed for B747 but no B747 schedule flight except during Hajji. Biggest aircraft is A320.	DVOR / DME , LCTR ,ILS
SUBANG	7	3780M X 45M	PCN 59/F/B/X/U	24 HOURS	Designed for B747 but largest scheduled aircraft is ATR-72	ILS/LLZ,GP/DME,L,NDB DVOR/DME
PULAU TIOMAN	Fire ext.	992M X 30M	n.a.	0900-1700	DASH 7	n.a.
BINTULU	6	2745M X 45M	PCN 79/F/C/X/T	2245 - 1230 UTC	Designed for A330 but no A330 schedule flight, biggest aircraft is A320 only	ILS/LLZ, GP/DME, NDB, DVOR/DME
MIRI	6	2745M X 60M	PCN 79/F/C/X/T	2200 - 1530 UTC	Designed for A330 but no A330 schedule flight, biggest aircraft is A320 only	ILS/LLZ, GP/DME, NDB, DVOR/DME
SIBU	6	2745M X 45M	PCN 61 F / C / X / T	2230 - 1330 UTC	Designed for A330 but no A330 schedule flight, biggest aircraft is A320 only	ILS/LLZ, GP/DME , MM, NDB, DVOR/DME
LAHAD DATU	5	1371M X 30M	LCN 20	0000 - 0900 UTC	ATR-72	LCTR
LABUAN	7	2745M X 45M	PCN 79/F/C/X/T	2200 - 1400 UTC	Designed for A330 but no A330 schedule flight, biggest aircraft is A320 only	NVOR/LCTR,ILS
SANDAKAN	6	2133M X 46M	LCN 90	2200 - 1400 UTC	A320	ILS/LLZ,GP/DME,NDB, DVOR/DME
TAWAU	6	2685M X 45M	PCN 69/F/C/W/T	2300 - 1400 UTC	A320	ILS/LOC, GP/DME, NDB, DVOR/DME
LIMBANG	5	1500M X 30M	PCN15/F/C/W/T	2230 - 1030 UTC	ATR 72	DVOR /DME
MULU	5	1500M X 30M	PCN12/F/C/Y/U	Dawn to 0800 UTC	ATR 72	NDB

SUMBER/ Source: MALAYSIA AIRPORTS HOLDINGS BERHAD (MAHB)



JADUAL 4.3: KEMUDAHAN PADANG TERBANG, MALAYSIA, 2017

Table 4.3: Airstrips Facilities, Malaysia, 2017

LAPANGAN TERBANG <i>Airport</i>	PANJANG / LEBAR LANDASAN <i>Runway Length / Width (m)</i>	KEUPAYAAN LANDASAN <i>Load Classification Number</i>	WAKTU BEROPERASI <i>Hours of Operation</i>	PENDARATAN PESAWAT TERBESAR <i>Biggest Aircraft Landed</i>	SISTEM PERHUBUNGAN & PEMALIMAN UDARA <i>Radio and Air Navigational Aids</i>
<b>SEMENANJUNG MALAYSIA</b> <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	792m X 30m	PCN 12/F/C/Y/T	0100 - 0900 UTC	DASH 7	n.a
PULAU TIOMAN	992m X 302m	Tarmac	0000-0900 UTC	DASH 7	ILS/LLZ,GP/DME,L,DVOR/DME
PULAU REDANG	1100m X 302m	PCN 14/F/C/Y/T	0001-0900 UTC	DASH 7	n.a
ULU BERNAM	n.a	n.a	n.a	n.a	n.a
JENDERATA	n.a	n.a	n.a	n.a	n.a
<b>SARAWAK</b>					
BARIO	674m X 18m	Bitumen	sunrise to sunset	DHC-6 (Twin Otter)	n.a
LAWAS	707m X 18m	Bitumen sealed AUW 6,123 kgs	sunrise to sunset	DHC-6 (Twin Otter)	n.a
BELAGA	427m X 18m	n.a	No commercial flight	DHC-6 (Twin Otter)	n.a
KAPIT	427m X 18m	n.a	No commercial flight	DHC-6 (Twin Otter)	n.a
BAKELALAN	547m X 18m	Bitumen	sunrise to sunset	DHC-6 (Twin Otter)	n.a
LONG LELLANG	800m X 18m	Bitumen	sunrise to sunset	DHC-6 (Twin Otter)	n.a
LONG SEMANDO	487m X 18m	crushed stone	No commercial flight	DHC-6 (Twin Otter)	n.a
LONG SERIDAN	548m X 18m	Bitumen	0800-1700	DHC-6 (Twin Otter)	n.a
LONG BANGA	550m X 18m	Bitumen	sunrise to sunset	DHC-6 (Twin Otter)	n.a
MUKAH	1097m X 23m	Bitumen sealed AUW 6,123 kgs	sunrise to sunset	DHC-6 (Twin Otter)	n.a
MARUDI	800m X 24m	Bitumen sealed AUW 6,123 kgs	0030-1030 UTC	DHC-6 (Twin Otter)	n.a
LONG AKAH	680m X 18m	PCN12/F/C/Y/U	sunrise to sunset	DHC-6 (Twin Otter)	n.a

SUMBER/ Source: MALAYSIA AIRPORTS HOLDINGS BERHAD (MAHB)



JADUAL 4.3: KEMUDAHAN PADANG TERBANG, MALAYSIA, 2017 (SAMB.)

Table 4.3: Airstrips Facilities, Malaysia, 2017 (Cont'd)

LAPANGAN TERBANG <i>Airport</i>	PANJANG / LEBAR LANDASAN <i>Runway Length / Width (m)</i>	KEUPAYAAN LANDASAN <i>Load Classification Number</i>	WAKTU BEROPERASI <i>Hours of Operation</i>	PENDARATAN PESAWAT TERBESAR <i>Biggest Aircraft Landed</i>	SISTEM PERHUBUNGAN & PEMALIMAN UDARA <i>Radio and Air Navigational Aids</i>
<b>SABAH</b>					
KUDAT	730M X 18M	Asphalt AUW 6123kg	sunrise to sunset	DHC-6 Twin Otter	n.a
PAMOL	n.a	n.a	n.a	n.a	n.a
SEMPORNA	609M X 24M	n.a	No commercial flight	DHC-6 Twin Otter	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	610M X 23M	n.a	No commercial flight	DHC-6 Twin Otter	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 (MOROTA)	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
NANGOHO	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, 2008-2017  
 Table 4.4: Total Passengers Handled by Airports (Excluding Transit Passengers), Malaysia, 2008-2017

LAPANGAN TERBANG Airports	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
KLIA	27,245,269	29,398,483	33,718,562	37,313,395	39,513,546	47,143,539	48,571,834	48,617,226	25,305,221	28,196,313
KLIA2	-	-	-	-	-	-	-	-	27,119,023	30,267,030
PULAU PINANG	3,405,067	3,322,114	4,143,421	4,561,998	4,762,256	5,485,756	6,036,326	6,251,955	6,661,225	7,188,238
KOTA KINABALU	4,557,039	4,765,880	5,115,774	5,772,115	5,844,608	6,929,692	6,785,957	6,568,371	7,263,224	8,005,564
KUCHING	3,165,791	3,520,402	3,648,548	4,247,775	4,159,864	4,843,141	4,830,778	4,758,089	4,911,331	5,086,208
LANGKAWI	1,196,405	1,358,506	1,372,618	1,503,262	1,593,043	1,946,220	2,221,997	2,336,177	2,655,271	2,767,707
JOHOR BHARU	1,473,266	1,314,313	1,235,261	1,337,562	1,379,347	1,990,106	2,325,816	2,581,966	2,828,074	3,124,799
KOTA BHARU	836,060	1,003,162	1,047,755	1,132,345	1,259,205	1,585,238	1,800,836	2,063,745	2,062,248	1,988,212
IPOH	5,376	21,937	48,508	71,169	73,354	74,320	98,768	222,606	269,696	274,146
KUALA TERENGGANU	486,406	523,619	520,611	502,966	550,831	699,310	842,651	857,239	900,218	943,660
ALOR SETAR	307,564	421,314	400,997	407,717	433,644	535,073	660,264	719,029	787,706	802,304
MELAKA	23,751	18,576	21,687	21,261	34,352	21,637	14,178	69,710	58,703	62,076
SUBANG	307,747	819,840	1,118,309	1,320,227	1,442,514	1,858,823	2,762,399	3,059,035	2,834,836	2,880,536
KUANTAN	258,537	226,912	220,878	248,846	280,074	317,440	314,130	292,109	247,757	241,314
TIOMAN	48,767	49,056	54,056	62,010	60,141	56,054	9,217	-	-	-
PANGKOR	8,132	7,617	2,588	547	4,068	5,791	205	-	-	-
REDANG	34,957	28,246	48,610	46,159	35,922	35,982	11,087	-	-	-
LABUAN	509,653	446,848	479,481	522,320	575,646	669,137	715,052	641,846	570,948	553,772
LAHAD DATU	99,983	98,558	113,442	131,054	142,733	145,930	161,230	143,654	140,077	127,651
SANDAKAN	616,281	662,820	706,455	756,144	814,999	889,250	877,475	837,768	863,701	878,204
TAWAU	768,967	866,601	897,848	922,452	982,108	1,202,344	1,218,311	1,203,792	1,271,915	1,374,881
BINTULU	400,707	460,217	506,000	567,519	637,158	750,994	795,118	779,413	779,086	826,501
MIRI	1,536,954	1,614,736	1,676,281	1,843,005	2,005,697	2,214,660	2,355,071	2,241,913	2,195,145	2,179,799
SIBU	827,797	927,082	994,394	1,118,852	1,183,419	1,357,909	1,411,539	1,438,502	1,455,293	1,485,385
MULU	43,652	49,255	63,122	63,477	49,619	49,432	52,175	51,387	60,074	62,656
LIMBANG	49,179	45,512	48,312	56,211	57,852	61,074	63,870	58,300	55,437	49,461
STOL SABAH	3,315	-	607	4,198	4,350	3,798	3,585	4,007	5,216	4,542
STOL SARAWAK	138,998	144,323	160,230	166,168	153,590	143,678	148,136	150,340	155,109	151,949
SEMANJANG Peninsular	35,637,304	38,513,696	43,953,861	48,529,464	51,422,297	61,755,289	65,669,708	67,070,797	71,729,978	78,736,335
SABAH	6,555,238	6,840,707	7,313,607	8,108,283	8,364,444	9,840,151	9,761,610	9,399,438	10,115,081	10,944,614
SARAWAK	6,163,078	6,761,527	7,096,887	8,063,007	8,247,199	9,420,888	9,656,687	9,477,944	9,611,475	9,841,959
JUMLAH Total	48,355,620	52,115,930	58,364,355	64,700,754	68,033,940	81,016,328	85,088,005	85,948,179	91,456,534	99,522,908

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



JADUAL 4.5: JUMLAH PENUMPANG YANG DIKENDALIKAN MENGIKUT LAPANGAN TERBANG, MALAYSIA, 2017  
Table 4.5: Total Passengers Handled by Airports, Malaysia, 2017

LAPANGAN TERBANG Airports	DALAM NEGERI Domestic			ANTARABANGSA International			JUMLAH Total			TRANSIT Transit			PERBANDINGAN TAHUN KE TAHUN Year on Year Comparison		
	KETIBAAN Arrival	BERLEPAS Departure	JUMLAH Total	KETIBAAN Arrival	BERLEPAS Departure	JUMLAH Total	KETIBAAN Arrival	BERLEPAS Departure	JUMLAH Total	DALAM NEGERI Domestic	ANTARABANGSA International	JUMLAH Total	2017	2016	% +/-
KLIA	3,100,086	3,059,409	<b>6,159,495</b>	10,905,710	11,131,108	<b>22,036,818</b>	14,005,796	14,190,517	<b>28,196,313</b>	-	91,089	<b>91,089</b>	28,287,402	25,524,488	10.8%
KLJ2	5,004,331	4,948,844	<b>9,953,175</b>	10,001,936	10,311,919	<b>20,313,855</b>	15,006,267	15,260,763	<b>30,267,030</b>	-	195	<b>195</b>	30,267,225	27,119,023	11.6%
PULAU PINANG	2,029,830	2,041,447	<b>4,071,277</b>	1,546,741	1,570,220	<b>3,116,961</b>	3,576,571	3,611,667	<b>7,188,238</b>	22,047	21,812	<b>43,859</b>	7,232,097	6,684,026	8.2%
KOTA KINABALU	2,714,486	2,720,973	<b>5,435,459</b>	1,273,161	1,296,944	<b>2,570,105</b>	3,987,647	4,017,917	<b>8,005,564</b>	-	-	-	8,005,564	7,263,339	10.2%
KUCHING	2,356,220	2,358,815	<b>4,715,035</b>	182,252	188,921	<b>371,173</b>	2,538,472	2,547,736	<b>5,086,208</b>	4,363	4,622	<b>8,985</b>	5,095,193	4,919,677	3.6%
LANGKAWI	1,232,984	1,250,770	<b>2,483,754</b>	141,913	142,040	<b>283,953</b>	1,374,897	1,372,810	<b>2,747,707</b>	-	-	-	2,767,707	2,655,271	4.2%
JOHOR BHARU	1,318,242	1,358,213	<b>2,676,455</b>	221,953	226,391	<b>448,344</b>	1,540,195	1,584,604	<b>3,124,799</b>	-	-	-	3,124,799	2,828,074	10.5%
KOTA BHARU	984,212	1,004,000	<b>1,988,212</b>	-	-	-	984,212	1,004,000	<b>1,988,212</b>	-	-	-	1,988,212	2,062,248	-3.6%
IPOH	22,080	21,928	<b>44,008</b>	113,746	116,392	<b>230,138</b>	135,826	138,320	<b>274,146</b>	-	-	-	274,146	269,696	1.7%
KUALA TERENGGANU	467,346	474,599	<b>941,945</b>	-	1,715	<b>1,715</b>	467,346	476,314	<b>943,660</b>	-	-	-	943,660	900,218	4.8%
ALOR SETAR	398,208	401,513	<b>799,721</b>	16	2,567	<b>2,583</b>	398,224	404,080	<b>802,304</b>	-	-	-	802,304	787,706	1.9%
MELAKA	12,236	12,626	<b>24,862</b>	19,167	18,047	<b>37,214</b>	31,403	30,673	<b>62,076</b>	-	-	-	62,076	58,703	5.7%
SUBANG	1,327,128	1,304,315	<b>2,631,443</b>	122,470	126,623	<b>249,093</b>	1,449,598	1,430,938	<b>2,880,536</b>	-	50	<b>50</b>	2,880,586	2,834,836	1.6%
KUANTAN	105,273	103,786	<b>209,059</b>	15,746	16,509	<b>32,255</b>	121,019	120,295	<b>241,314</b>	-	-	-	241,314	247,757	-2.6%
TIOMAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PANGKOR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
REDANG	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LABUAN	280,084	273,408	<b>553,492</b>	162	118	<b>280</b>	280,246	273,526	<b>553,772</b>	23,687	-	<b>23,687</b>	577,459	595,290	-3.0%
LAHAD DATU	62,733	64,918	<b>127,651</b>	-	-	-	62,733	64,918	<b>127,651</b>	-	-	-	127,651	140,077	-8.9%
SANDAKAN	436,408	441,489	<b>877,897</b>	141	166	<b>307</b>	436,549	441,655	<b>878,204</b>	18,143	-	<b>18,143</b>	896,347	882,811	1.5%
TAWAU	675,668	682,997	<b>1,358,665</b>	7,436	8,780	<b>16,216</b>	683,104	691,777	<b>1,374,881</b>	12	-	<b>12</b>	1,374,893	1,271,915	8.1%
BINTULU	411,431	414,426	<b>825,857</b>	325	319	<b>644</b>	411,756	414,745	<b>826,501</b>	23,095	-	<b>23,095</b>	849,596	805,206	5.5%
MIRI	1,050,103	1,058,022	<b>2,108,125</b>	34,278	37,396	<b>71,674</b>	1,084,381	1,095,418	<b>2,179,799</b>	8,249	-	<b>8,249</b>	2,188,048	2,200,546	-0.6%
SIBU	739,535	745,850	<b>1,485,385</b>	-	-	-	739,535	745,850	<b>1,485,385</b>	12,027	-	<b>12,027</b>	1,497,412	1,469,341	1.9%
MULLU	32,282	30,374	<b>62,656</b>	-	-	-	32,282	30,374	<b>62,656</b>	-	-	-	62,656	60,074	4.3%
LIMBANG	24,417	25,044	<b>49,461</b>	-	-	-	24,417	25,044	<b>49,461</b>	-	-	-	49,461	55,437	-10.8%
STOL SABAH	2,214	2,328	<b>4,542</b>	-	-	-	2,214	2,328	<b>4,542</b>	1,648	-	<b>1,648</b>	6,190	7,064	-12.4%
STOL SARAWAK	73,998	77,951	<b>151,949</b>	-	-	-	73,998	77,951	<b>151,949</b>	6,792	-	<b>6,792</b>	158,741	162,182	-2.1%
SEMANANJUNG Peninsular	16,001,956	15,981,450	<b>31,983,406</b>	23,089,398	23,663,531	<b>46,752,929</b>	39,091,354	39,644,981	<b>78,736,335</b>	22,047	113,146	<b>135,193</b>	78,871,528	71,972,046	9.6%
SABAH	4,171,593	4,186,113	<b>8,357,706</b>	1,280,738	1,305,890	<b>2,586,628</b>	5,172,247	5,218,595	<b>10,390,842</b>	43,490	-	<b>43,490</b>	10,988,104	10,160,496	8.1%
SARAWAK	4,687,986	4,710,482	<b>9,398,468</b>	216,855	226,636	<b>443,491</b>	4,904,841	4,937,118	<b>9,841,959</b>	54,526	4,622	<b>59,148</b>	9,901,107	9,672,463	2.4%
JUMLAH Total	24,861,535	24,876,045	<b>49,739,580</b>	24,586,991	25,196,057	<b>49,783,028</b>	49,168,442	49,800,694	<b>99,522,908</b>	120,063	117,768	<b>237,831</b>	99,760,739	91,805,005	8.7%

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



JADUAL 4.6: JUMLAH KARGO YANG DIKENDALIKAN MENGIKUT LAPANGAN TERBANG (TIDAK TERMASUK KARGO TRANSIT), MALAYSIA, 2008-2017

Table 4.6: Total Cargo Handled by Airports (Excluding Cargo in Transit), Malaysia, 2008-2017

METRIC TONNES

LAPANGAN TERBANG Airports	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
KLIA	649,077	584,559	674,902	669,849	673,107	680,983	753,899	726,230	523,346	563,054
KLIA2	-	-	-	-	-	-	-	-	119,212	147,132
PULAU PINANG	178,921	131,130	138,576	121,804	113,605	111,852	118,812	112,748	113,180	119,272
KOTA KINABALU	34,532	21,060	21,145	27,806	23,382	21,816	23,533	24,701	28,762	27,372
KUCHING	18,863	20,616	26,835	24,574	15,724	21,890	27,939	28,993	22,038	24,080
LANGKAWI	589	572	434	646	696	598	567	647	588	759
JOHOR BHARU	4,447	5,157	6,702	5,451	3,305	3,444	4,934	5,272	6,244	7,614
KOTA BHARU	181	185	177	164	147	179	397	1,003	780	775
IPOH	0	0	0	0	34	403	296	318	178	105
KUALA TERENGGANU	24	24	50	103	147	103	148	329	253	247
ALOR SETAR	41	34	34	46	123	126	230	389	390	489
MELAKA	179	127	144	139	195	-	-	-	-	-
SUBANG	18,473	18,536	19,988	19,928	22,680	26,443	28,128	31,357	36,147	36,568
KUANTAN	70	70	49	38	57	86	46	21	15	25
TIOMAN	-	-	-	-	73	30	15	0	-	-
PANGKOR	-	-	-	-	5	21	0	0	-	-
REDANG	-	-	-	-	27	27	17	0	-	-
LABUAN	3,781	3,783	4,128	4,835	5,812	8,067	9,543	7,539	4,002	4,580
LAHAD DATU	-	-	-	42	185	200	179	158	129	101
SANDAKAN	3,055	2,099	2,806	2,295	2,470	2,891	2,495	3,143	2,384	2,207
TAWAU	1,262	1,951	3,045	3,198	2,489	2,844	3,265	3,910	3,570	3,884
BINTULU	1,978	1,903	1,703	2,071	2,571	2,528	2,306	2,378	2,646	2,845
MIRI	4,146	3,921	6,770	8,198	9,879	9,799	8,029	7,292	7,270	4,872
SIBU	735	856	1,133	1,147	1,596	1,407	1,433	1,300	1,044	1,284
MULU	262	346	396	370	322	354	319	232	391	315
LIMBANG	475	530	560	498	744	742	596	565	466	196
STOL SABAH	-	-	-	-	-	-	-	-	-	-
STOL SARAWAK	685	400	454	549	511	396	289	518	397	415
SEMENJUNG <i>Peninsular</i>	852,001	740,392	841,057	818,168	814,202	824,294	907,490	878,313	800,333	876,040
SABAH	42,630	28,893	31,124	38,175	34,338	35,819	39,015	39,451	38,848	38,145
SARAWAK	27,145	28,572	37,850	37,407	31,347	37,116	40,911	41,278	34,253	34,007
<b>JUMLAH Total</b>	<b>921,776</b>	<b>797,857</b>	<b>910,031</b>	<b>893,750</b>	<b>879,887</b>	<b>897,228</b>	<b>987,415</b>	<b>959,042</b>	<b>873,434</b>	<b>948,192</b>

SUMBER / Source : MALAYSIA AIRPORTS HOLDINGS BERHAD, SENAI AIRPORT TERMINAL SERVICES SDN. BHD





JADUAL 4.7 : JUMLAH KARGO YANG DIKENDALIKAN MENGIKUT LAPANGAN TERBANG, MALAYSIA, 2017  
 Table 4.7 : Total Cargo Handled by Airports, Malaysia, 2017

METRIC TONNES

LAPANGAN TERBANG Airports	DALAM NEGERI / Domestic			ANTARABANGSA / International			JUMLAH / Total			TRANSIT / Transit		PERBANDINGAN TAHUN KE TAHUN Year on Year Comparison			
	DIHANTAR Unloaded	DIANGKUT Loaded	JUMLAH Total	DIHANTAR Unloaded	DIANGKUT Loaded	JUMLAH Total	DIHANTAR Unloaded	DIANGKUT Loaded	JUMLAH Total	DALAM NEGERI Domestic	ANTARABANGSA International	JUMLAH Total	2017	2016	% +/-
KLIA	19,107	39,962	59,069	263,085	240,899	503,985	282,192	280,861	563,054	-	-	-	563,054	523,345	7.6%
KLIA2	16,026	17,932	33,958	57,836	55,338	113,174	73,863	73,270	147,132	-	-	-	147,132	119,212	23.4%
PULAU PINANG	5,280	3,333	8,614	55,367	55,291	110,658	60,648	58,624	119,272	1,637	13,278	14,915	134,187	130,491	2.8%
KOTA KINABALU	14,600	10,935	25,535	749	1,089	1,837	15,348	12,024	27,372	-	-	-	27,372	28,764	-4.8%
KUCHING	15,695	6,754	22,449	351	1,279	1,631	16,047	8,033	24,080	167	373	540	24,620	22,500	9.4%
LANGKAWI	647	71	718	40	1	41	687	72	759	-	-	-	759	588	29.0%
JOHOR BHARU	3,641	2,329	5,970	759	886	1,645	4,400	3,215	7,614	-	-	-	7,614	6,244	21.9%
KOTA BHARU	402	373	775	-	-	-	402	373	775	-	-	-	775	780	-0.7%
IPOH	-	-	-	54	51	105	54	51	105	-	-	-	105	178	-40.8%
KUALA TERENGGANU	169	78	247	-	-	-	169	78	247	-	-	-	247	253	-2.4%
ALOR SETAR	215	275	489	-	-	-	215	275	489	-	-	-	489	390	25.4%
MELAKA	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-100.0%
SUBANG	4,143	7,174	11,317	13,490	11,761	25,250	17,633	18,934	36,568	-	-	-	36,568	36,147	-
KUANTAN	24	0	24	-	1	1	24	1	25	-	-	-	25	15	62.6%
TIOMAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PANGKOR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
REDANG	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LABUAN	3,350	711	4,061	61	457	519	3,412	1,168	4,580	237	254	491	5,071	4,620	9.8%
LAHAD DATU	63	38	101	-	-	-	63	38	101	-	-	-	101	129	-21.4%
SANDAKAN	558	1,649	2,207	-	-	-	558	1,649	2,207	5	-	5	2,211	2,389	-7.4%
TAWAU	1,012	2,872	3,884	-	-	-	1,012	2,872	3,884	-	-	-	3,884	3,570	8.8%
BINTULU	1,770	1,075	2,845	-	-	-	1,770	1,075	2,845	4	-	4	2,849	2,647	7.6%
MIRI	3,087	1,731	4,818	46	8	54	3,133	1,739	4,872	-	-	-	4,872	7,270	-33.0%
SIBU	881	403	1,284	-	-	-	881	403	1,284	1	-	1	1,285	1,048	22.6%
MULLU	314	2	315	-	-	-	314	2	315	-	-	-	315	391	-19.3%
LIMBANG	172	24	196	-	-	-	172	24	196	-	-	-	196	466	-58.0%
STOL SABAH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STOL SARAWAK	191	224	415	-	-	-	191	224	415	82	-	82	497	479	3.8%
SEMENANJUNG Peninsular	49,654	71,526	121,181	390,631	364,228	754,859	454,947	447,706	902,653	1,637	13,278	14,915	890,955	817,644	9.0%
SABAH	19,583	16,205	35,789	810	1,546	2,356	21,092	13,760	34,852	242	254	496	38,641	39,472	-2.1%
SARAWAK	22,109	10,213	32,322	398	1,287	1,685	7,147	3,539	10,686	255	373	628	34,635	34,800	-0.5%
JUMLAH Total	91,346	97,945	189,291	391,839	367,061	758,900	483,185	465,006	948,191	2,134	13,905	16,039	964,230	891,916	8.1%

SUMBER / Source : MALAYSIA AIRPORTS HOLDINGS BERHAD, SENAI AIRPORT TERMINAL SERVICES SDN. BHD



JADUAL 4.8: JUMLAH MEL YANG DIKENDALIKAN MENGIKUT LAPANGAN TERBANG (TIDAK TERMASUK MEL TRANSIT), MALAYSIA, 2008-2017

Table 4.8: Total Mail Handled by Airports (Excluding Mel in Transit), Malaysia, 2008-2017

METRIC TONNES

LAPANGAN TERBANG <i>Airports</i>	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
KLIA	18,418	17,061	19,394	25,463	29,119	32,271	33,942	35,268	31,091	29,101
KLIA2	-	-	-	-	-	-	-	-	1	3
PULAU PINANG	-	7	4	12	1	3	7	5	32	3
KOTA KINABALU	3,149	1,601	1,486	1,681	2,246	1,751	1,386	1,455	1,525	1,431
KUCHING	998	794	642	479	496	727	715	542	322	320
LANGKAWI	83	73	90	131	222	254	279	286	174	114
KOTA BHARU	236	322	322	330	214	244	281	179	1	12
IPOH	-	-	-	-	-	-	-	1	155	-
KUALA TERENGGANU	8	5	12	16	48	38	36	39	-	2
ALOR SETAR	2	55	47	58	185	224	344	430	412	244
MELAKA	-	-	-	-	-	-	-	-	-	-
SUBANG	-	-	-	-	-	7	-	5	-	-
KUANTAN	-	-	2	1	-	-	-	-	-	-
TIOMAN	-	-	-	-	1	-	-	-	-	-
PANGKOR	-	-	-	-	-	-	-	-	-	-
LABUAN	399	360	378	412	476	507	519	426	426	422
LAHAD DATU	193	212	207	213	275	165	3	-	-	-
SANDAKAN	233	254	476	459	418	287	36	71	52	38
TAWAU	281	242	439	457	497	471	197	267	264	245
BINTULU	339	382	264	218	41	53	57	54	16	348
MIRI	1,665	2,171	1,564	1,608	1,903	2,124	2,824	2,657	95	163
SIBU	-	849	287	371	226	611	604	472	713	309
MULU	-	-	-	-	-	-	-	-	-	-
LIMBANG	84	46	28	25	38	37	42	44	46	53
STOL SABAH	-	-	-	-	-	-	-	-	-	-
STOL SARAWAK	10	7	13	15	7	13	36	32	2	-
<b>SEMANANJUNG</b> <i>Peninsular</i>	<b>18,747</b>	<b>17,523</b>	<b>19,870</b>	<b>26,011</b>	<b>29,790</b>	<b>33,040</b>	<b>34,890</b>	<b>36,212</b>	<b>31,864</b>	<b>29,479</b>
SABAH	4,254	2,669	2,987	3,222	3,911	3,181	2,141	2,220	2,267	2,136
SARAWAK	3,096	4,248	2,798	2,716	2,711	3,565	4,277	3,802	1,194	1,193
<b>JUMLAH</b> <i>Total</i>	<b>26,097</b>	<b>24,440</b>	<b>25,655</b>	<b>31,949</b>	<b>36,412</b>	<b>39,786</b>	<b>41,308</b>	<b>42,234</b>	<b>35,325</b>	<b>32,808</b>

SUMBER/ Source: MALAYSIA AIRPORTS HOLDINGS BERHAD (MAHB)



JADUAL 4.9: JUMLAH MEL YANG DIKENDALIKAN MENGIKUT LAPANGAN TERBANG, MALAYSIA, 2017

Table 4.9: Total Mail Handled by Airports, Malaysia, 2017

METRIC TONNES

LAPANGAN TERBANG <i>Airports</i>	DALAM NEGERI <i>Domestic</i>			ANTARABANGSA <i>International</i>			JUMLAH <i>Total</i>			TRANSIT <i>Transit</i>		PERBANDINGAN TAHUN KE TAHUN <i>Year on Year Comparison</i>			
	DIHANTAR <i>Unloaded</i>	DIANGKUT <i>Loaded</i>	JUMLAH <i>Total</i>	DIHANTAR <i>Unloaded</i>	DIANGKUT <i>Loaded</i>	JUMLAH <i>Total</i>	DIHANTAR <i>Unloaded</i>	DIANGKUT <i>Loaded</i>	JUMLAH <i>Total</i>	DALAM NEGERI <i>Domestic</i>	ANTARA- BANGSA <i>International</i>	JUMLAH <i>Total</i>	2017	2016	% +/-
KLIA	794	1,755	2,549	12,125	14,427	26,552	12,919	16,182	29,101	-	95	95	29,196	31,480	-7.3%
KLIA2	-	-	-	-	3	3	-	3	3	-	-	-	3	1	438.5%
PULAU PINANG	2	1	3	-	-	-	2	1	3	55	-	55	58	39	47.0%
KOTA KINABALU	454	509	963	381	86	468	835	595	1,431	-	-	-	1,431	1,527	-6.3%
KUCHING	200	116	316	1	3	4	201	119	320	-	-	-	320	322	-0.7%
LANGKAWI	95	20	114	-	-	-	95	20	114	-	-	-	114	174	-34.3%
KOTA BHARU	3	9	12	-	-	-	3	9	12	-	-	-	12	1	1953.8%
IPOH	-	-	-	-	-	-	-	-	-	-	-	-	-	155	-100.0%
KUALA TERENGGANU	2	-	2	-	-	-	2	-	2	-	-	-	2	0	21730.0%
ALOR SETAR	5	239	244	-	-	-	5	239	244	-	-	-	244	412	-40.8%
MELAKA	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-
SUBANG	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KUANTAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TIOMAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PANGKOR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LABUAN	343	78	422	-	-	-	343	78	422	2	-	2	424	426	-0.6%
LAHAD DATU	0	-	0	-	-	-	0	-	0	-	-	-	0	0	-
SANDAKAN	32	7	38	-	-	-	32	7	38	-	-	-	38	52	-26.2%
TAWAU	241	5	245	-	-	-	241	5	245	-	-	-	245	264	-7.1%
BINTULU	259	89	348	-	-	-	259	89	348	-	-	-	348	16	2032.8%
MIRI	157	5	163	-	-	-	157	5	163	-	-	-	163	95	71.0%
SIBU	295	14	309	-	-	-	295	14	309	-	-	-	309	713	-56.6%
MULU	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LIMBANG	0	52	53	-	-	-	0	52	53	-	-	-	53	46	14.1%
STOL SABAH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STOL SARAWAK	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-100.0%
SEMENANJUNG <i>Peninsular</i>	901	2,023	2,924	12,125	14,430	26,555	13,026	16,453	29,479	55	95	150	29,629	32,261	-8.2%
SABAH	1,070	598	1,669	381	86	468	1,452	685	2,136	2	-	2	2,139	2,269	-5.8%
SARAWAK	912	278	1,189	1	3	4	912	280	1,193	-	-	-	1,193	1,195	-0.2%
JUMLAH <i>Total</i>	2,883	2,899	5,782	12,507	14,519	27,026	15,390	17,418	32,808	58	95	153	32,961	35,725	-7.7%

SUMBER/ Source: MALAYSIA AIRPORTS HOLDINGS BERHAD (MAHB)



JADUAL 4.10: JUMLAH PERGERAKAN PESAWAT PERDAGANGAN YANG DIKENDALIKAN MENGIKUT LAPANGAN TERBANG, MALAYSIA, 2008-2017  
 Table 4.10: Total Commercial Aircraft Movements Handled by Airports, Malaysia, 2008-2017

LAPANGAN TERBANG <i>Airports</i>	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
KLIA	209,681	225,251	244,179	268,265	282,290	325,537	339,650	353,270	186,565	202,360
KLIA2	-	-	-	-	-	-	-	-	168,954	183,694
PULAU PINANG	38,335	38,343	44,753	50,610	49,966	56,760	63,396	64,527	64,428	69,157
KOTA KINABALU	52,463	52,677	55,089	59,638	58,366	67,601	68,776	66,945	69,292	71,922
KUCHING	36,087	41,437	42,940	49,613	43,981	53,095	50,917	50,738	48,562	48,034
LANGKAWI	12,242	12,638	13,274	14,510	15,162	17,675	21,722	22,232	23,797	24,807
JOHOR BHARU	42,343	51,243	50,247	42,911	31,868	37,998	42,976	41,892	42,557	46,497
KOTA BHARU	14,083	13,709	13,180	15,304	17,112	20,527	25,028	28,228	26,666	27,067
IPOH	183	384	844	1,536	1,515	1,464	1,960	3,684	3,632	3,632
KUALA TERENGGANU	6,038	6,006	5,959	6,006	6,506	7,365	9,659	10,625	11,049	11,314
ALOR SETAR	2,934	4,578	4,513	4,841	5,274	5,795	8,421	9,472	10,260	10,801
MELAKA	700	616	584	466	1,053	580	320	1,536	1,294	1,714
SUBANG	11,448	19,897	24,509	30,779	33,224	41,707	56,629	62,911	61,450	67,351
KUANTAN	3,334	2,947	2,628	3,178	3,395	3,289	3,572	3,906	3,186	2,698
TIOMAN	1,603	1,591	1,662	1,766	1,682	1,538	272	-	-	-
PANGKOR	503	502	174	32	324	258	8	-	-	-
REDANG	1,083	862	1,356	1,319	877	955	430	-	-	-
LABUAN	11,212	10,868	11,988	12,645	13,448	15,072	15,533	13,168	10,924	10,134
LAHAD DATU	2,922	2,922	2,860	2,941	3,058	3,321	3,689	3,646	3,455	3,014
SANDAKAN	8,991	10,214	12,095	10,757	12,177	11,536	11,715	11,267	10,820	9,901
TAWAU	7,334	8,885	9,723	9,328	9,689	11,784	12,832	12,401	11,687	11,763
BINTULLU	8,933	10,948	10,994	11,270	11,444	12,428	12,246	12,197	11,807	11,526
MIRI	35,178	38,836	39,509	40,931	42,351	44,875	46,504	45,039	42,633	38,392
SIBU	14,307	16,275	17,899	18,211	15,923	17,196	17,878	18,252	17,156	16,588
MULU	1,642	1,570	1,726	1,912	1,760	2,306	2,701	2,381	2,375	2,221
LIMBANG	1,860	1,697	1,947	1,896	1,880	2,075	2,154	2,226	2,647	1,974
STOL SABAH	459	-	167	264	192	231	226	234	608	536
STOL SARAWAK	12,716	12,140	13,538	14,118	13,534	12,886	15,324	16,455	18,337	17,512
SEMANANJUNG <i>Peninsular</i>	344,510	378,567	407,862	441,523	450,248	521,448	574,043	602,283	603,838	651,092
SABAH	83,381	85,566	91,922	95,573	96,930	109,545	112,771	107,661	106,786	107,270
SARAWAK	110,723	122,903	128,553	137,951	130,873	144,861	147,724	147,288	143,517	136,247
<b>JUMLAH <i>Total</i></b>	<b>538,614</b>	<b>587,036</b>	<b>628,337</b>	<b>675,047</b>	<b>678,051</b>	<b>775,854</b>	<b>834,538</b>	<b>857,232</b>	<b>854,141</b>	<b>894,609</b>

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



JADUAL 4.11: JUMLAH PERGERAKAN PESAWAT PERDAGANGAN YANG DIKENDALIKAN MENGIKUT LAPANGAN TERBANG, MALAYSIA, 2017

Table 4.11: Total Commercial Aircraft Movements Handled by Airports, Malaysia, 2017

LAPANGAN TERBANG <i>Airports</i>	DALAM NEGERI <i>Domestic</i>			ANTARABANGSA <i>International</i>			JUMLAH <i>Total</i>		PERBANDINGAN TAHUN KE TAHUN <i>Year on Year Comparison</i>			
	BERJADUAL <i>Scheduled</i>	TIDAK BERJADUAL <i>Non Scheduled</i>	JUMLAH <i>Total</i>	BERJADUAL <i>Scheduled</i>	TIDAK BERJADUAL <i>Non Scheduled</i>	JUMLAH <i>Total</i>	BERJADUAL <i>Scheduled</i>	TIDAK BERJADUAL <i>Non Scheduled</i>	JUMLAH <i>Total</i>	2017	2016	% <i>+/-</i>
KLIA	48,525	6,513	55,038	127,840	19,482	147,322	176,365	25,995	202,360	202,360	186,565	8.5%
KLIA2	55,477	8,622	64,099	103,954	15,641	119,595	159,431	24,263	183,694	183,694	168,954	8.7%
PULAU PINANG	42,399	-	42,399	26,758	-	26,758	69,157	-	69,157	69,157	64,428	7.3%
KOTA KINABALU	47,416	5,732	53,148	18,774	-	18,774	66,190	5,732	71,922	71,922	69,292	3.8%
KUCHING	41,753	2,913	44,666	3,187	181	3,368	44,940	3,094	48,034	48,034	48,562	-1.1%
LANGKAWI	22,568	-	22,568	2,239	-	2,239	24,807	-	24,807	24,807	23,797	4.2%
JOHOR BHARU	27,278	13,192	40,470	3,038	2,989	6,027	30,316	16,181	46,497	46,497	42,557	9.3%
KOTA BHARU	23,787	3,280	27,067	-	-	-	23,787	3,280	27,067	27,067	26,666	1.5%
IPOH	1,126	-	1,126	2,506	-	2,506	3,632	-	3,632	3,632	3,632	0.0%
KUALA TERENGGANU	11,305	-	11,305	9	-	9	11,314	-	11,314	11,314	11,049	2.4%
ALOR SETAR	10,783	-	10,783	18	-	18	10,801	-	10,801	10,801	10,260	5.3%
MELAKA	712	-	712	1,002	-	1,002	1,714	-	1,714	1,714	1,294	32.5%
SUBANG	60,246	-	60,246	7,105	-	7,105	67,351	-	67,351	67,351	61,450	9.6%
KUANTAN	1,958	-	1,958	740	-	740	2,698	-	2,698	2,698	3,186	-15.3%
TIOMAN	-	-	-	-	-	-	-	-	-	-	-	-
PANGKOR	-	-	-	-	-	-	-	-	-	-	-	-
REDANG	-	-	-	-	-	-	-	-	-	-	-	-
LABUAN	8,775	1,195	9,970	157	7	164	8,932	1,202	10,134	10,134	10,924	-7.2%
LAHAD DATU	2,938	76	3,014	-	-	-	2,938	76	3,014	3,014	3,455	-12.8%
SANDAKAN	9,131	755	9,886	-	15	15	9,131	770	9,901	9,901	10,820	-8.5%
TAWAU	11,102	341	11,443	312	8	320	11,414	349	11,763	11,763	11,687	0.7%
BINTULU	10,412	1,103	11,515	6	5	11	10,418	1,108	11,526	11,526	11,807	-2.4%
MIRI	30,295	6,935	37,230	1,162	-	1,162	31,457	6,935	38,392	38,392	42,633	-9.9%
SIBU	16,588	-	16,588	-	-	-	16,588	-	16,588	16,588	17,156	-3.3%
MULU	2,201	20	2,221	-	-	-	2,201	20	2,221	2,221	2,375	-6.5%
LIMBANG	1,974	-	1,974	-	-	-	1,974	-	1,974	1,974	2,647	-25.4%
STOL SABAH	512	24	536	-	-	-	512	24	536	536	608	-11.8%
STOL SARAWAK	16,662	850	17,512	-	-	-	16,662	850	17,512	17,512	18,337	-4.5%
SEMANANJUNG <i>Peninsular</i>	306,164	31,607	337,771	275,209	38,112	313,321	581,373	69,719	651,092	651,092	603,838	7.8%
SABAH	79,874	8,123	87,997	19,243	30	19,273	99,117	8,153	107,270	107,270	106,786	0.5%
SARAWAK	119,885	11,821	131,706	4,355	186	4,541	124,240	12,007	136,247	136,247	143,517	-5.1%
JUMLAH <i>Total</i>	505,923	51,551	557,474	298,807	38,328	337,135	804,730	89,879	894,609	894,609	854,141	4.7%

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



JADUAL 4.12: PERGERAKAN TRAFIK DI ANTARA LAPANGAN TERBANG-LAPANGAN TERBANG MALAYSIA (TERMASUK SINGAPURA), 2017  
 Table 4.12: Traffic Movements Between Malaysian Airports (Including Singapore), 2017

SEKTOR Sector		PENUMPANG Passenger			KARGO (KG) Cargo (KG)			MEL (KG) Mail (KG)		
A	B	(A-B)	(B-A)	JUMLAH Total	(A-B)	(B-A)	JUMLAH Total	(A-B)	(B-A)	JUMLAH Total
KUALA LUMPUR	- ALOR SETAR	243,100	242,002	<b>485,102</b>	673,701	271,828	<b>945,529</b>	239,129	5,090	<b>244,219</b>
KUALA LUMPUR	- IPOH	-	-	-	-	-	-	-	-	-
KUALA LUMPUR	- JOHOR BHARU	459,271	426,866	<b>886,137</b>	957,537	1,410,286	<b>2,367,823</b>	-	308	<b>308</b>
KUALA LUMPUR	- KOTA BHARU	635,284	626,989	<b>1,262,273</b>	506,886	587,355	<b>1,094,241</b>	7,996	5,882	<b>13,878</b>
KUALA LUMPUR	- KOTA KINABALU	1,415,436	1,401,922	<b>2,817,358</b>	13,110,310	15,252,750	<b>28,363,060</b>	380,687	381,418	<b>762,105</b>
KUALA LUMPUR	- TERENGGANU	327,631	321,264	<b>648,895</b>	99,272	251,836	<b>351,208</b>	-	2,183	<b>2,183</b>
KUALA LUMPUR	- KUANTAN	103,786	105,273	<b>209,059</b>	15	25,303	<b>25,318</b>	3	-	<b>3</b>
KUALA LUMPUR	- KUCHING	1,150,633	1,154,937	<b>2,305,570</b>	4,460,270	17,055,639	<b>21,515,909</b>	2,418	174,279	<b>176,697</b>
KUALA LUMPUR	- LABUAN	160,962	165,371	<b>326,333</b>	621,596	2,538,738	<b>3,160,334</b>	46,043	260,315	<b>306,358</b>
KUALA LUMPUR	- LANGKAWI	968,381	953,073	<b>1,921,454</b>	461,593	962,288	<b>1,423,881</b>	19,582	94,579	<b>114,161</b>
KUALA LUMPUR	- MIRI	422,890	418,693	<b>841,583</b>	725,834	4,816,377	<b>5,542,211</b>	270	91,271	<b>91,541</b>
KUALA LUMPUR	- PULAU PINANG	1,136,391	1,129,211	<b>2,265,602</b>	3,285,430	6,866,950	<b>10,152,380</b>	126,076	1,957	<b>128,033</b>
KUALA LUMPUR	- SINGAPURA	2,017,886	2,066,669	<b>4,084,555</b>	16,910,089	13,603,777	<b>30,513,866</b>	812,070	774,705	<b>1,586,775</b>
KUALA LUMPUR	- SIBU	364,552	359,836	<b>724,388</b>	788,663	2,995,100	<b>3,383,763</b>	11,119	245,025	<b>256,144</b>
KUALA LUMPUR	- TAWAU	327,538	317,582	<b>645,120</b>	6,152,254	2,489,518	<b>8,641,772</b>	4,457	222,640	<b>227,097</b>
PULAU PINANG	- LANGKAWI	128,158	131,608	<b>259,766</b>	12,250	13,000	<b>25,250</b>	-	-	<b>-</b>
PULAU PINANG	- SINGAPURA	660,736	681,188	<b>1,341,924</b>	5,915,824	4,518,934	<b>10,434,758</b>	1	-	<b>1</b>
KOTA KINABALU	- JOHOR BHARU	120,818	123,797	<b>244,615</b>	-	-	<b>-</b>	-	-	<b>-</b>
KOTA KINABALU	- TAWAU	314,842	316,022	<b>630,864</b>	1,029,456	136,896	<b>1,166,152</b>	98	18,121	<b>18,219</b>
KOTA KINABALU	- LABUAN	53,479	54,569	<b>108,048</b>	50,452	253,778	<b>304,230</b>	32,979	83,133	<b>116,112</b>
KOTA KINABALU	- LAHAD DATU	64,918	62,901	<b>127,819</b>	38,167	63,486	<b>101,653</b>	0	128	<b>128</b>
KOTA KINABALU	- MIRI	113,497	111,903	<b>225,400</b>	5,432	185,999	<b>191,431</b>	2,468	3,232	<b>5,700</b>
KOTA KINABALU	- SIBU	33,027	31,986	<b>65,013</b>	2,101	49,454	<b>51,555</b>	74	31	<b>105</b>
KOTA KINABALU	- KUCHING	214,971	209,927	<b>424,898</b>	167,150	143,711	<b>310,861</b>	30,914	12,196	<b>43,110</b>
KOTA KINABALU	- SINGAPURA	94,770	102,380	<b>197,150</b>	260,480	184,116	<b>444,596</b>	1	-	<b>1</b>
KUCHING	- JOHOR BHARU	181,923	181,988	<b>363,911</b>	-	-	<b>-</b>	-	-	<b>-</b>
KUCHING	- PULAU PINANG	78,857	79,629	<b>158,486</b>	2,800	922	<b>3,722</b>	-	-	<b>-</b>
KUCHING	- SINGAPURA	133,790	141,772	<b>275,562</b>	351,371	327,129	<b>678,500</b>	831	6	<b>837</b>
BINTULU	- MIRI	15,942	15,468	<b>31,410</b>	2,259	819	<b>3,078</b>	913	1,365	<b>2,278</b>
MIRI	- LABUAN	52,364	53,921	<b>106,285</b>	2,539	18,115	<b>20,654</b>	-	114	<b>114</b>
MIRI	- SIBU	44,648	45,114	<b>89,762</b>	7,347	3,520	<b>10,867</b>	520	481	<b>1,001</b>
SANDAKAN	- TAWAU	15,519	16,229	<b>31,748</b>	761	4,195	<b>4,956</b>	-	-	<b>-</b>
LANGKAWI	- SINGAPURA	98,732	100,328	<b>199,060</b>	40,054	901	<b>40,955</b>	1	4	<b>5</b>
MIRI	- JOHOR BHARU	27,476	27,884	<b>55,360</b>	-	-	<b>-</b>	-	-	<b>-</b>

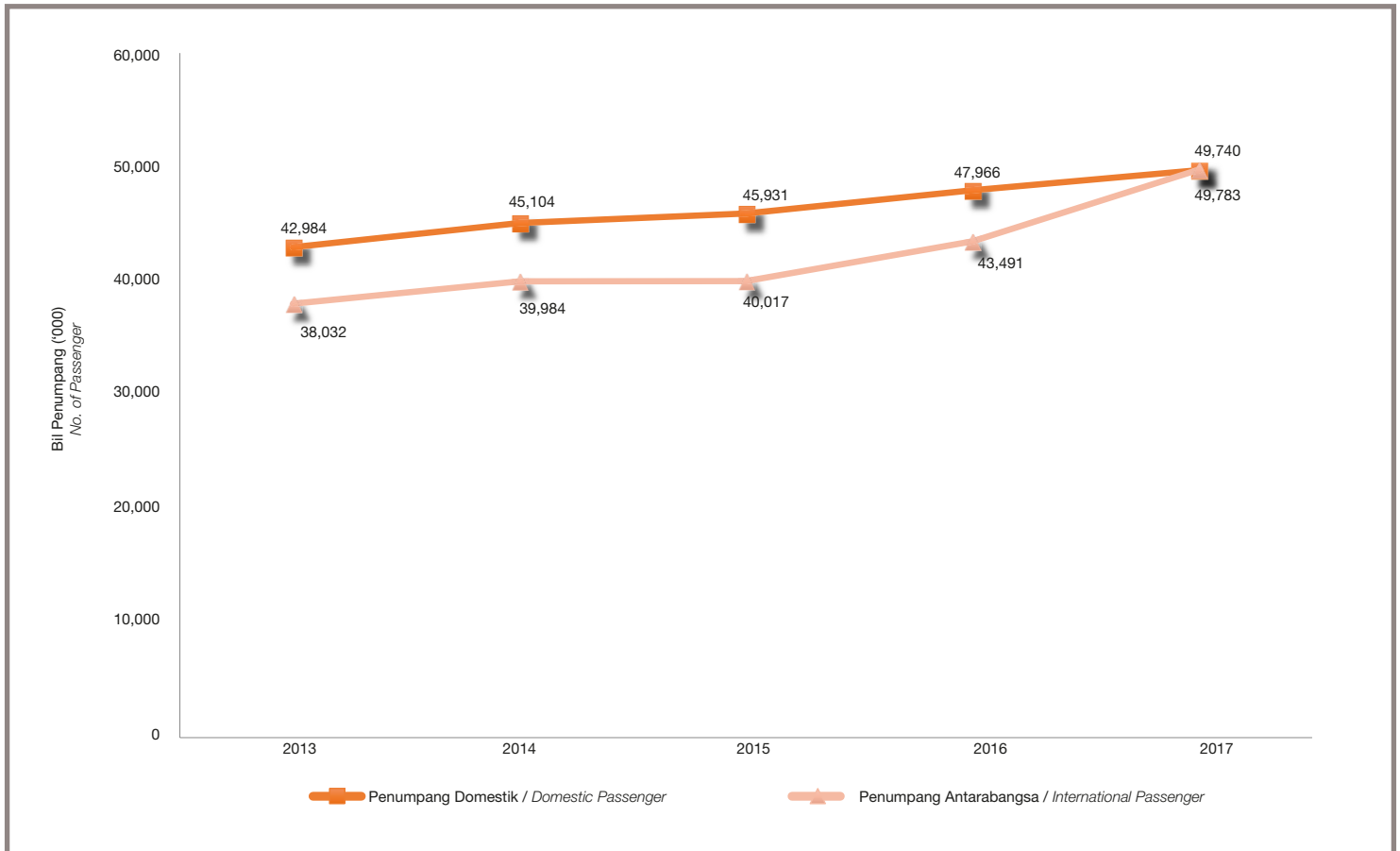
JADUAL 4.13: PERGERAKAN TRAFIK UNTUK PERKHIDMATAN UDARA LUAR BANDAR, SABAH DAN SARAWAK, 2017  
 Table 4.13: Traffic Movements for Rural Air Services, Sabah and Sarawak, 2017

SEKTOR / Sector			PENUMPANG / Passenger			KARGO (KG) / Cargo (KG)			MEL (KG) / Mail (KG)		
A	-	B	(A-B)	(B-A)	JUMLAH Total	(A-B)	(B-A)	JUMLAH Total	(A-B)	(B-A)	JUMLAH Total
<b>SABAH</b>											
BARIO	-	MARUDI	-	-	-	-	-	-	-	-	-
BELAGA	-	BINTULU	-	-	-	-	-	-	-	-	-
BINTULU	-	MUKAH	249	301	550	-	-	-	-	-	-
KOTA KINABALU	-	KUDAT	152	163	315	-	-	-	-	-	-
KOTA KINABALU	-	SANDAKAN	227,454	225,234	452,688	948,452	124,202	1,072,654	28	8,524	8,552
KOTA KINABALU	-	BINTULU	25,890	26,404	52,294	1,021	18,303	19,324	6,093	36	6,129
KUDAT	-	SANDAKAN	501	372	873	-	-	-	-	-	-
LAWAS	-	KOTA KINABALU	116	244	360	-	-	-	-	-	-
LIMBANG	-	KOTA KINABALU	682	835	1,517	-	-	-	-	-	-
MIRI	-	BARIO	9,348	8,778	18,126	179	5,520	5,699	-	338	338
SANDAKAN	-	TOMANGGONG	-	-	-	-	-	-	-	-	-
SANDAKAN	-	TAWAU	15,519	16,229	31,748	761	4,195	4,956	-	-	-
<b>JUMLAH Total</b>			279,911	278,560	558,471	950,413	152,220	1,102,633	6,121	8,898	15,019
<b>SARAWAK</b>											
KUCHING	-	BINTULU	169,023	168,124	337,147	36,384	80,434	116,818	4,353	5,777	10,130
KUCHING	-	LABUAN	-	-	-	252,964	127,180	380,144	-	-	-
KUCHING	-	MIRI	272,777	272,878	545,655	584,049	176,469	760,518	472	8,305	8,777
KUCHING	-	SIBU	234,019	232,813	466,832	56,130	103,417	159,547	1,994	55,541	57,535
KUCHING	-	MUKAH	13,677	12,029	25,706	379	29,745	30,124	-	-	-
LAWAS	-	MIRI	15,790	16,361	32,151	13,658	3,998	17,656	-	-	-
LIMBANG	-	MIRI	23,617	24,098	47,715	171,892	23,848	195,740	249	52,494	52,743
LIMBANG	-	LAWAS	135	166	301	41	175	216	-	-	-
MARUDI	-	MIRI	11,995	13,656	25,651	330	190	520	-	-	-
MIRI	-	MULU	19,034	20,533	39,567	1,214	288,615	289,829	1	87	88
MIRI	-	SIBU	44,648	45,114	89,762	7,347	3,520	10,867	520	481	1,001
MUKAH	-	MIRI	3,296	4,059	7,355	85	9	94	-	-	-
MUKAH	-	SIBU	760	652	1,412	13	-	13	-	-	-
SIBU	-	BINTULU	10,570	10,104	20,674	209	344	553	490	633	1,123
<b>JUMLAH Total</b>			819,341	820,587	1,639,928	1,124,695	837,944	1,962,639	8,079	123,318	131,397

SUMBER/ Source: MALAYSIA AIRPORTS HOLDINGS BERHAD (MAHB)

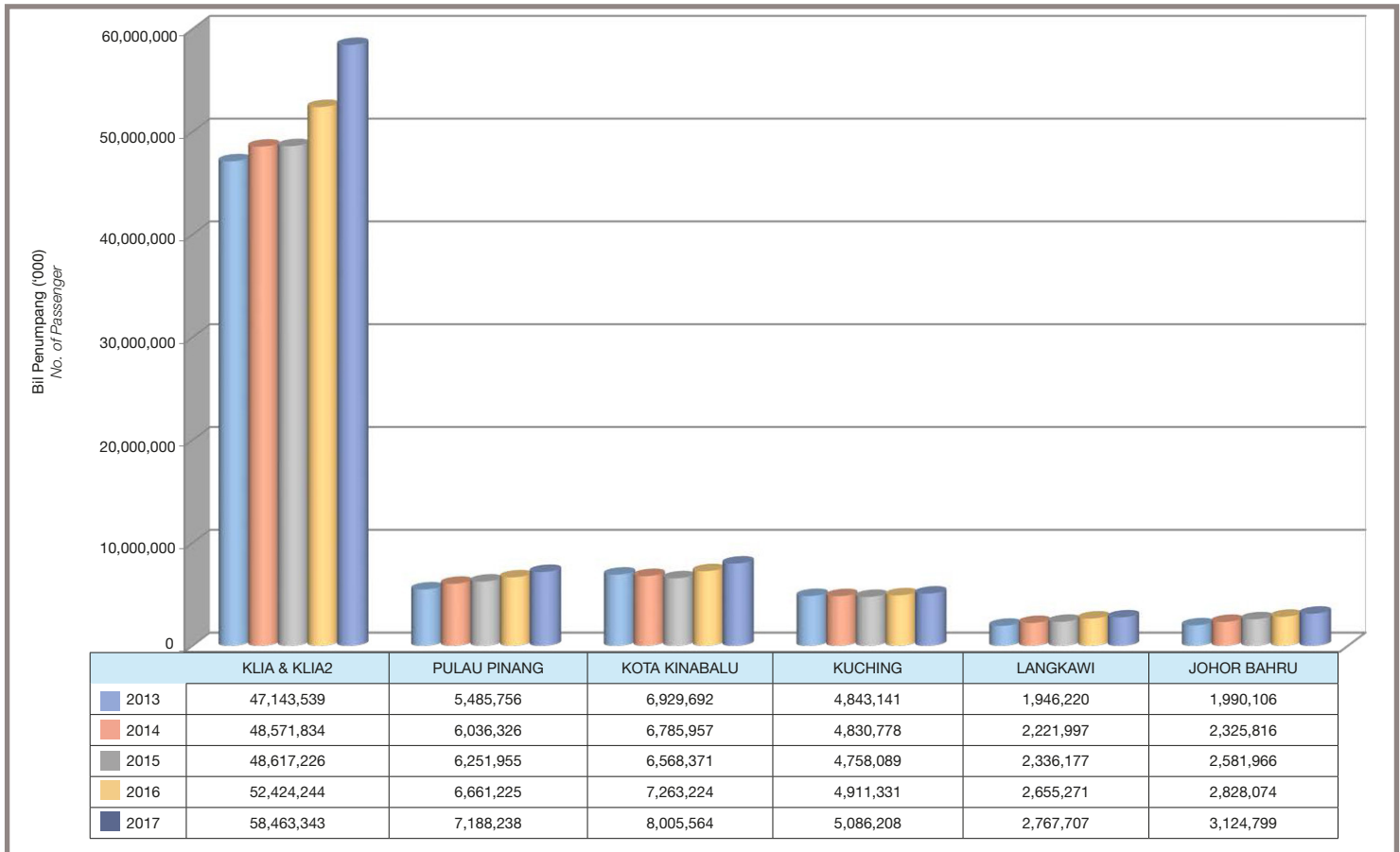


Carta 4.1: JUMLAH PENUMPANG DOMESTIK DAN ANTARABANGSA YANG DIKENDALIKAN DI LAPANGAN TERBANG, MALAYSIA, 2013-2017  
Chart 4.1: Total Number of Domestic and International Passengers Handled by Airport, Malaysia, 2013-2017

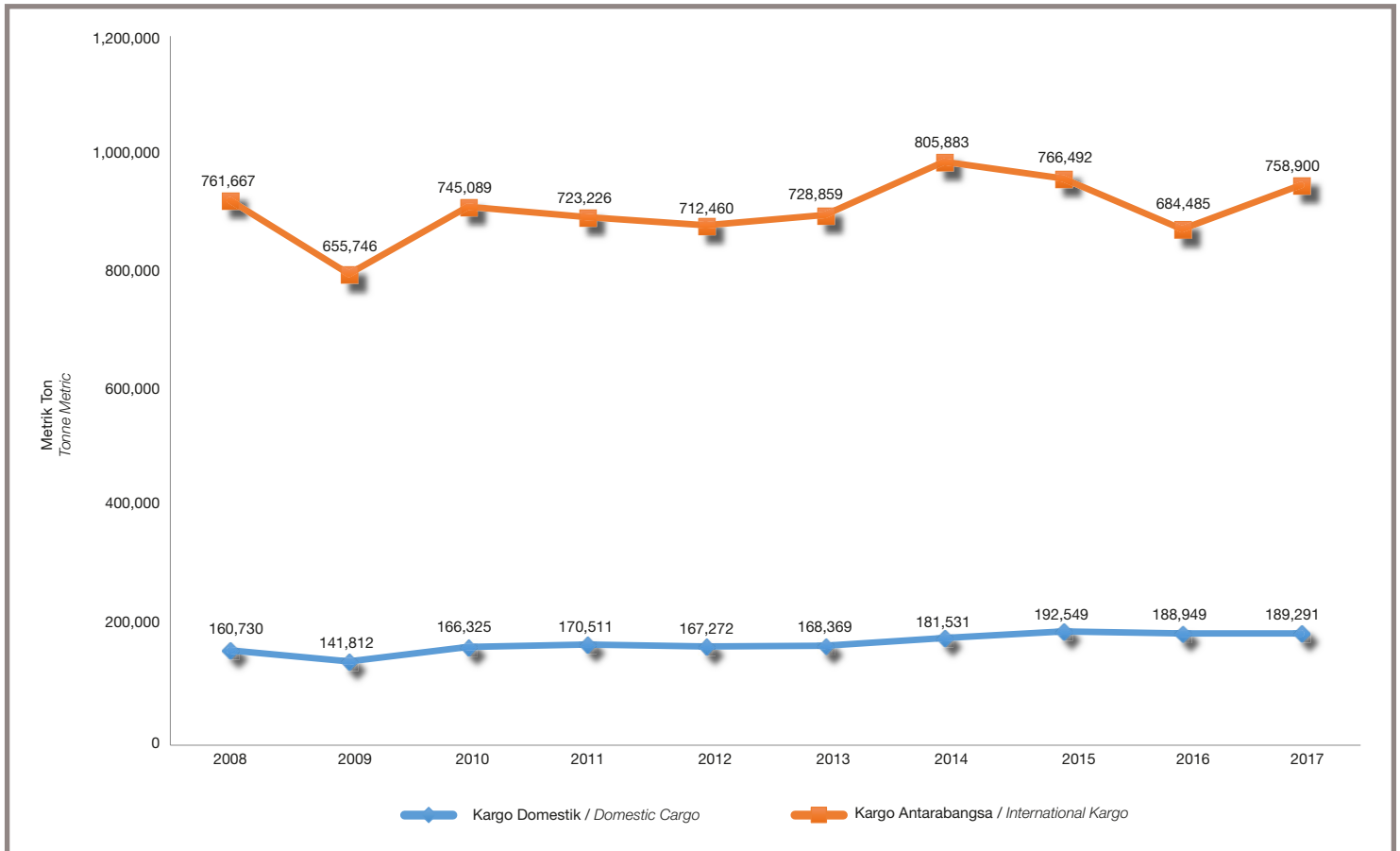




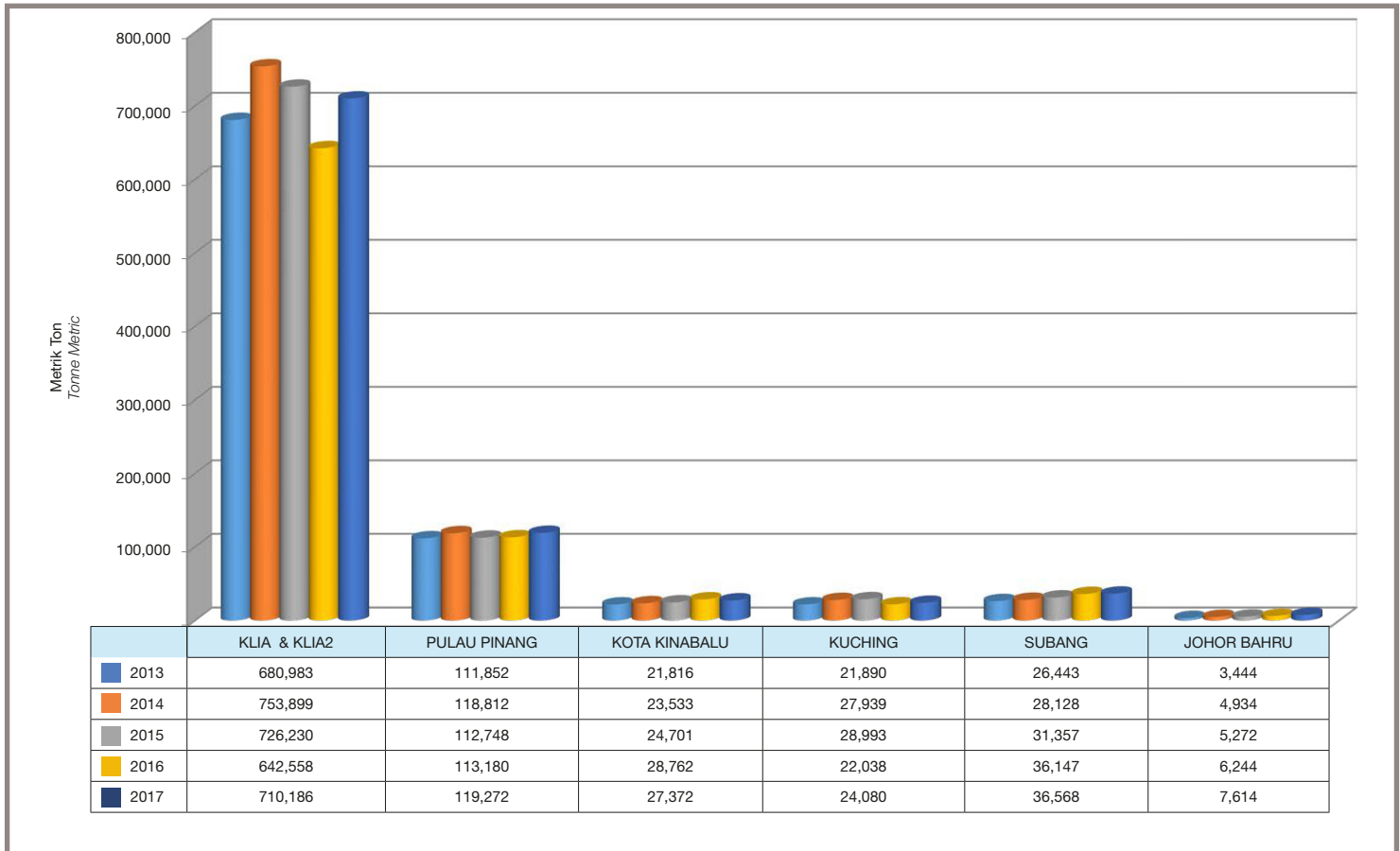
Carta 4.2: JUMLAH PENUMPANG DOMESTIK DAN ANTARABANGSA YANG DIKENDALIKAN DI LAPANGAN TERBANG, MALAYSIA, 2013-2017  
 Chart 4.2: Total Number of Domestic and International Passengers Handled by Airport, Malaysia, 2013-2017



Carta 4.3: JUMLAH KARGO DOMESTIK DAN ANTARABANGSA YANG DIKENDALIKAN DI LAPANGAN TERBANG, MALAYSIA, 2008-2017  
Chart 4.3: Total Domestic and International Cargo Handled by Airport, Malaysia, 2008-2017



CARTA 4.4: JUMLAH KARGO YANG DIKENDALIKAN OLEH LAPANGAN TERBANG ANTARABANGSA, MALAYSIA, 2013-2017  
 Chart 4.4: Total Cargo Handled by International Airports , Malaysia, 2013-2017





**KEMENTERIAN PENGANGKUTAN MALAYSIA**  
NO. 26 JALAN TUN HUSSEIN  
PRESINT 4, 62100 PUTRAJAYA

TEL: 03 8000 8000  
FAKS: 03 8888 0185

