




2018

**STATISTIK
PENGANGKUTAN
MALAYSIA**

TRANSPORT STATISTICS MALAYSIA



KEMENTERIAN PENGANGKUTAN
MINISTRY OF TRANSPORT
MALAYSIA



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KATA PENGANTAR

Preface



YBHG. DATUK MOHD KHAIRUL ADIB BIN ABD RAHMAN
KETUA SETIAUSAHA
KEMENTERIAN PENGANGKUTAN MALAYSIA
SECRETARY GENERAL
MINISTRY OF TRANSPORT MALAYSIA

Saya ingin mengambil kesempatan ini untuk mengucapkan tahniah kepada semua yang terlibat dalam penerbitan Laporan Statistik Pengangkutan 2018. 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.

Semoga penerbitan ini dapat dijadikan bahan rujukan yang bernilai kepada para pengguna yang terlibat dalam sektor pengangkutan, dan sebagai sumber rujukan kepada para pelabur, penyelidik dan perancang polisi yang memerlukan data dan maklumat ini.

Sektor pengangkutan merupakan satu penyumbang utama kepada pembangunan ekonomi negara. Kerajaan, dalam hal ini, akan terus bekerjasama dengan pihak berkaitan dalam industri untuk memajukan lagi agenda pengangkutan negara.

Saya ingin merakamkan ucapan penghargaan dan terima kasih kepada semua jabatan dan agensi di bawah Kementerian Pengangkutan serta pihak-pihak yang berkenaan di atas kerjasama dan sumbangan mereka ke arah merealisasikan buku statistik ini.

I would like to take this opportunity to congratulate everyone involved in the publication of the Malaysia Transport Statistics 2018. It is our objective 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 charts and graphs, have been included for a quick understanding of the basic trends of the transport sector in the country.

This publication will hopefully serve as a valuable reference to all users involved in the transport sector as well as a point of reference to all investors, researchers and policy planners who require this data and information.

The transport sector is a major contributor to the economic development of the nation. The Government, in this regard, will continue to work closely with the relevant players in the industry to further advance the nation's transport agenda.

I would like to express my appreciation and gratitude to all departments and agencies under the Ministry of Transport as well as others concerned for their cooperation and contribution toward realizing this publication.

PENGHARGAAN

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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

Agensi Pengangkutan Awam Darat
Land Public Transport Agency

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*

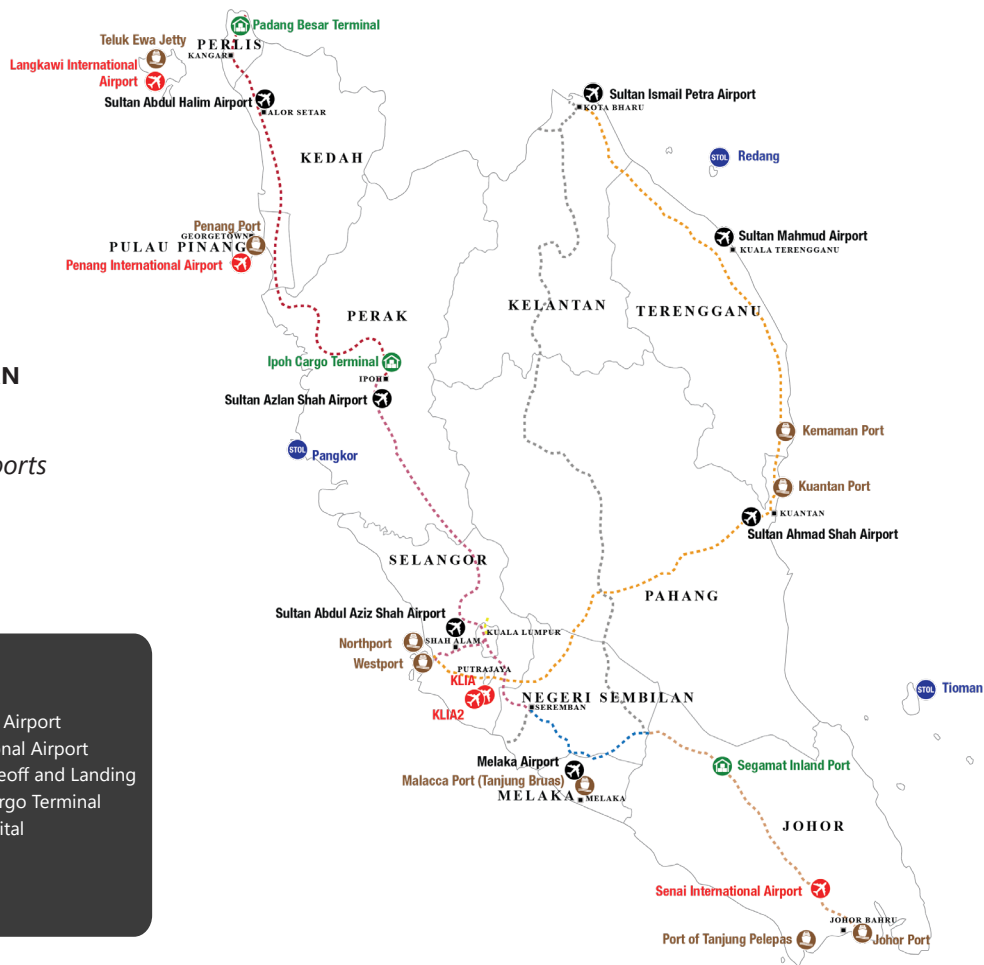
ADT	<i>Average Daily Traffic</i>	LLZ	<i>Localizer</i>
FWT	<i>Freightweight Tonnes</i>	GP	<i>Glide Path</i>
GRT	<i>Gross Registered Tonnage</i>	L	<i>Locator</i>
NRT	<i>Net Registered Tonnage</i>	MM	<i>Middle Marker</i>
DWT	<i>Dead Weight Tonnes</i>	NDB	<i>Non-Directional Radio Beacon</i>
TEU	<i>Twenty-Foot Equivalent Unit</i>	PAPI	<i>Precision Approach Path Indicator</i>
APP	<i>Approach</i>	RWY	<i>Runway</i>
CAT	<i>Category</i>	TACAN	<i>UHF Tactical Air Navigation Aid</i>
DME	<i>Distance Measuring Equipment Dopple</i>	VOR	<i>Very High Frequency Omnidirectional Radio</i>
DVOR	<i>VHF Omnidirectional Radio Range</i>	VORTAC	<i>Combination of VOR and TACAN</i>
ILS	<i>Instrument Landing System</i>	n.a	<i>Not Available</i>

The logo features a central white circle with a soft, multi-layered glow. To the right of this circle, four thick, diagonal rays extend outwards. Two rays are orange and two are yellow, arranged in an alternating pattern. The background is a light gray with faint vertical lines.

PETA
Maps

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

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



LEGEND

- — — — East Coast Rail Link (ECRL)*
- — — — 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

* Stations shown are subject to approval by Relevant Authorities.

RANGKAIAN PENGANGKUTAN TRANSIT REL LEMBAH KLANG

Rail Transport Network of Klang Valley







RAIL LINE

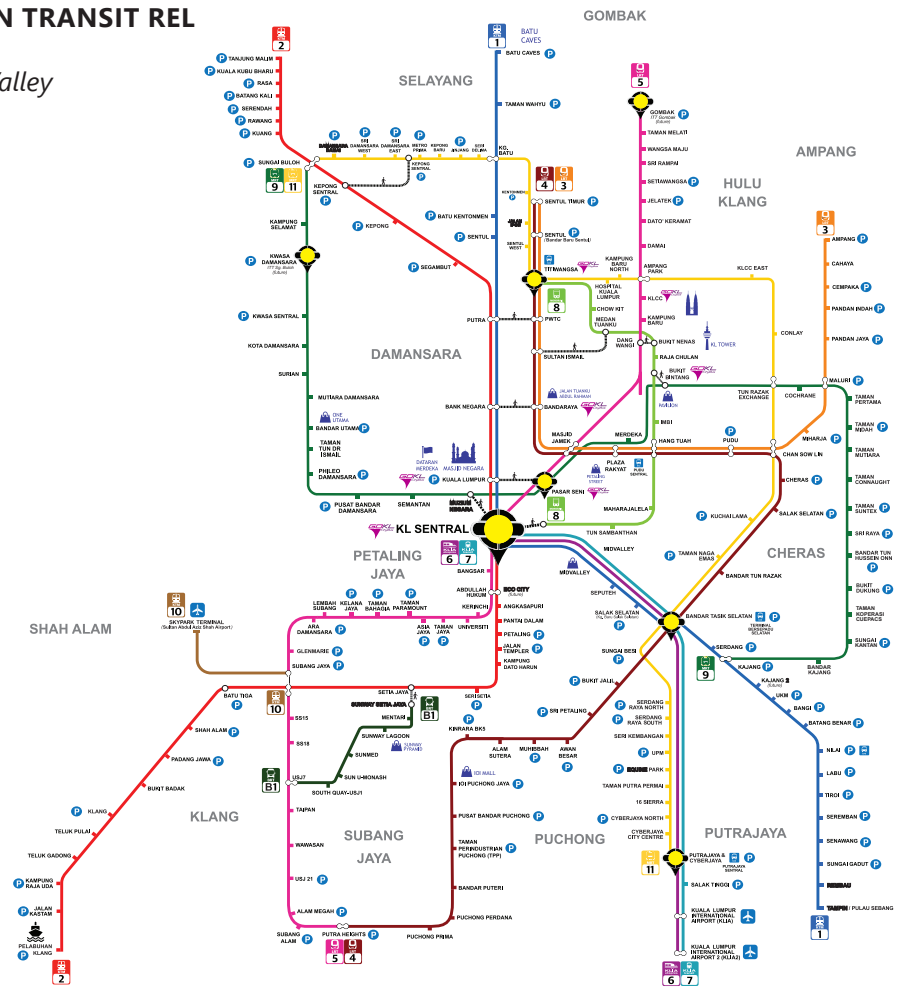
-  **1** KTM SEREMBAN LINE
-  **2** KTM PORT KLANG LINE
-  **3** LRT AMPANG LINE
-  **4** LRT SRI PETALING LINE
-  **5** LRT KELANA JAYA LINE
-  **6** ERL KLIA EKSPRES
-  **7** ERL KLIA TRANSIT
-  **8** KL MONORAIL LINE
-  **9** MRT SG.BULOH-KAJANG LINE
-  **10** KTM SKYPARK LINE
-  **11** MRT SG BULOH-PUTRAJAYA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

BUS RAPID TRANSIT LINE

-  **B1** BRT SUNWAY LINE

LEGEND

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





**PENGANGKUTAN
DARAT**
Land Transport

JADUAL 1.13: PURATA TRAFIK HARIAN (ADT) DI 63 LOKASI, SEMENANJUNG MALAYSIA, 2009-2018
 Table 1.13: Average Daily Traffic (ADT) at 63 Locations, Peninsular Malaysia, 2009-2018

BIL No	STESEN Station	KM	LOKASI Location	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
PERAK													
1	AR 101	106.6	Ipoh-Tanjung Malim (Slim River Toll house)	15,038	15,322	14,039	14,431	15,328	16,501	16,736	15,187	14,913	15,068
2	AR 204	78.9	Ipoh-Lumut	23,920	22,389	23,758	25,283	25,942	23,834	26,494	25,939	27,384	28,011
3	AR 301	35.9	Ipoh-Kampar	23,659	31,022	30,311	27,497	28,520	27,126	30,592	24,654	29,911	30,321
4	AR 303	5.6	Ipoh-Gopeng	79,513	84,135	73,487	85,819	77,195	78,210	78,136	77,483	87,006	87,711
5	AR 501	30.4	Ipoh-Kuala Kangsar (500m North of Sg. Siput Town)	19,085	19,426	22,500	19,251	20,478	18,578	19,895	19,936	20,443	20,571
6	AR 601	79.7	Ipoh-Batu Hampar-Changkat Jering	16,752	14,128	11,726	19,410	20,588	19,881	20,664	21,327	19,058	20,270
7	AR 603	82.1	Ipoh-Changkat Jering-Semanggol	7,076	10,270	18,646	12,586	12,938	12,531	12,949	13,919	9,227	9,449
8	AR 703	106.3	Ipoh-Teluk Intan-Simpang Empat	25,159	25,365	25,004	28,465	25,489	25,865	27,249	33,024	26,218	26,687
9	AR 801	96.6	Ipoh-Kuala Kangsar-Gerik	2,715	1,724	3,110	3,562	3,487	2,826	3,139	3,017	2,798	2,872
10	AR 803	2.4	Lebuh Raya Timur-Barat	3,078	3,337	3,148	3,944	3,796	3,636	3,293	3,818	3,923	4,028
SELANGOR													
11	BR 102	3.5	Klang-Port Klang (Jalan Watson)	46,690	52,901	53,983	57,835	56,513	52,563	49,706	47,687	47,521	47,425
12	BR 108	-	300m From The Federal Highway's Junction-North Klang Straits Bypass	122,468	141,121	135,678	140,780	143,223	136,424	131,348	128,988	101,893	100,568
13	BR 203	48.3	Klang-Morib-Batu Laut	7,023	7,101	6,852	7,128	7,777	7,741	7,890	7,999	5,903	5,930
14	BR 405	45.1	Kuala Lumpur-Kepong-Kuala Selangor	20,938	22,822	23,003	23,648	21,278	22,618	21,611	22,277	21,568	21,697
15	BR 501	72.1	Klang-Sabak Bernam	19,773	20,466	21,743	23,370	22,174	22,443	20,838	24,554	21,642	22,118
16	BR 604	21.7	Kuala Lumpur-Kajang	58,929	56,609	57,591	53,689	59,023	54,222	48,737	48,199	46,607	45,441
17	BR 701	58.6	Kuala Lumpur-Kuala Kubu Baru Junction (South of Junction)	13,209	18,293	13,430	13,320	15,082	15,022	15,538	16,063	13,476	13,626
18	BR 902	19.0	Kuala Lumpur-Karak Highway	150,213	129,345	144,334	151,486	147,449	144,308	129,579	138,711	153,545	153,914
PAHANG													
19	CR 102	67.0	Kuala Lumpur-Kuantan (along KL-Karak Highway)	22,224	28,109	27,653	28,470	26,509	28,300	30,436	31,036	1,833	MANSUHU
20	CR 403	233.0	Kuantan-Maran	26,064	28,248	29,142	31,138	31,416	31,876	29,856	30,231	33,247	34,204
21	CR 410	32.5	Kuantan-Kemaman	22,249	22,079	23,278	22,911	21,601	22,995	20,827	24,850	30,052	30,768
22	CR 503	282.0	Kuala Lumpur-Kuala Lipis- Kampung Padang Tuanku-Kota Bharu	6,159	6,253	7,053	7,513	6,985	7,319	8,063	8,757	8,302	8,595
23	CR 603	3.0	Pekan-Nenasi	7,783	8,650	9,761	10,319	11,563	11,535	10,741	11,620	11,606	12,370
24	CR 801	115.0	Kuantan-Karak	11,614	11,771	11,597	13,281	13,328	15,673	14,874	15,730	16,731	17,493
25	CR 805	189.0	Kuantan-Maran	6,761	6,980	8,049	7,088	6,952	6,714	6,369	6,841	6,915	7,061
26	CR 902	-	Kuantan-Segamat (400m. Bkt. Ibam-Rompin Junction North Bound)	11,634	8,102	8,427	9,545	8,763	9,314	9,985	10,514	10,416	10,651

SUMBER: KEMENTERIAN KERJA RAYA

Source: Ministry of Works

JADUAL 1.13: PURATA TRAFIK HARIAN (ADT) DI 63 LOKASI, SEMENANJUNG MALAYSIA, 2009-2018 (SAMB.)

Table 1.13: Average Daily Traffic (ADT) at 63 Locations, Peninsular Malaysia, 2009-2018 (Cont'd)

BIL No	STESEN Station	KM	LOKASI Location	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
KELANTAN													
27	DR 201	19.3	Kota Bharu - Melor	43,222	31,602	37,939	42,433	32,263	26,043	39,257	28,405	65,518	66,933
28	DR 603	6.1	Km Lebuh raya Timur-Barat	5,296	5,440	5,863	6,275	6,029	6,141	4,718	6,344	6,300	6,389
29	DR 802	61.5	Kota Bharu - Kuala Krai	19,521	20,632	22,308	23,381	21,200	22,523	23,345	21,969	22,160	22,550
JOHOR													
30	JR 101	142.0	Johor Bahru - Batu Pahat - Muar	12,735	11,162	11,711	14,847	18,659	15,491	13,321	12,562	13,424	13,707
31	JR 104	127.2	Johor Bahru - Yong Peng - Muar	33,381	25,916	40,092	23,361	34,672	32,757	25,310	16,289	23,996	22,644
32	JR 108	116.0	Johor Bahru - Segamat	12,869	12,262	13,025	12,369	11,628	11,521	11,985	9,733	11,199	11,274
33	JR 205	12.7	Johor Bahru - Skudai	218,035	221,084	213,390	162,454	189,292	191,427	178,012	184,136	176,725	175,312
34	JR 218	-	1000m east junction to Masai	46,426	49,309	40,428	47,563	26,552	26,502	29,045	43,134	42,306	40,952
35	JR 305	76.0	Johor Bahru - Ayer Hitam	15,261	14,810	14,894	15,398	13,911	15,847	17,359	17,598	20,602	21,216
36	JR 306	49.5	Batu Pahat - Ayer Hitam - Kluang	33,572	34,964	36,952	39,674	38,053	38,366	41,632	41,936	43,771	45,045
37	JR 404	38.6	Johor Bahru - Kota Tinggi	19,182	20,302	20,106	23,273	22,103	19,750	19,745	18,984	17,601	16,527
38	JR 501	135.2	Johor Bahru - Endau (2.4km north of Mersing town)	16,688	15,598	13,445	13,411	14,412	14,391	14,672	15,336	15,599	15,459
39	JR 503	111.1	Johor Bahru - Kota Tinggi - Jemaluang (500 m south of Jemaluang)	4,477	4,633	4,481	4,490	4,720	4,143	2,656	4,969	4,349	4,378
40	JR 702	60.0	Johor Bahru - Pontian Kecil - Pontian Besar (near Pontian Hospital)	14,480	14,406	12,125	16,772	15,061	14,678	15,945	16,690	13,050	12,985
41	JR 801	199.5	Johor Bahru - Segamat - Batu Anam	14,648	15,237	15,781	15,875	16,826	16,800	17,751	15,954	16,518	16,819
KEDAH													
42	KR 202	20.6	Alor Setar - Changlun	34,715	30,402	32,311	42,822	47,474	34,003	36,660	38,036	39,669	40,387
43	KR 401	70.8	Alor Setar - Sungai Petani - Butterworth	19,052	24,002	22,195	23,141	23,971	23,672	24,779	21,656	20,749	21,195
44	KR 501	29.0	Alor Setar - Sungai Petani	19,169	19,387	19,618	19,249	18,853	17,797	19,854	18,221	17,748	17,695
MELAKA													
45	MR 206	22.9	Melaka - Muar	15,501	15,679	16,426	17,044	16,779	17,112	17,182	15,640	16,329	16,525
46	MR 301	25.0	Melaka - Kendong	9,986	11,472	11,465	11,170	15,715	15,665	16,885	19,662	17,780	19,098
47	MR 313	43.5	Melaka - Lubok Cina	7,709	7,858	8,084	8,480	9,097	9,013	11,202	8,165	8,457	8,604

SUMBER: KEMENTERIAN KERJA RAYA

Source: Ministry of Works



JADUAL 1.13: PURATA TRAFIK HARIAN (ADT) DI 63 LOKASI, SEMENANJUNG MALAYSIA, 2009-2018 (SAMB.)

Table 1.13: Average Daily Traffic (ADT) at 63 Locations, Peninsular Malaysia, 2009-2018 (Cont'd)

BIL No	STESEN Station	KM	LOKASI Location	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
NEGERI SEMBILAN													
48	NR 304	21.7	Seremban-Port Dickson	67,092	65,580	46,201	54,394	59,864	62,112	57,613	41,295	48,851	48,557
49	NR 403	42.7	Seremban-Tampin	13,073	12,690	12,565	12,832	12,645	11,459	12,465	12,737	13,415	13,334
50	NR 501	20.0	Seremban-Kuala Lumpur	12,530	12,052	11,964	11,397	10,671	11,810	11,870	10,984	11,314	11,088
51	NR 505	9.3	Seremban-Tampin (500m outside Town area)	33,697	35,708	38,378	57,639	50,484	48,002	47,976	48,966	49,199	51,260
PULAU PINANG													
52	PR 116	16.9	Butterworth-Taiping	56,601	56,349	60,230	56,932	64,993	48,588	65,716	59,320	52,095	52,205
53	PR 201	11.1	" Georgetown-Teluk Bahang (Jln. Keliling Pulau) "	24,799	27,334	26,085	28,442	27,106	28,419	24,774	23,255	22,006	22,365
54	PR 203	57.2	" Georgetown-Bayan Lepas-Gelugor (Jln. Keliling Pulau) "	47,285	50,776	50,950	59,900	62,207	63,049	62,464	56,678	61,819	64,144
PERLIS													
55	RR 105	3.2	Kangar-Alor Setar (Melalui Simpang Empat)	21,321	21,758	23,234	25,577	26,155	25,092	27,257	27,827	33,233	30,216
TERENGGANU													
56	TR 103	61.5	K. Terengganu-Jerteh-Kota Bharu	21,313	24,196	25,551	27,325	27,066	19,490	23,584	22,605	21,136	20,946
57	TR 202	78.9	K. Terengganu-Dungun-Kemaman	29,051	28,602	30,035	27,856	29,864	28,124	28,171	24,852	23,209	23,023
58	TR 305	48.0	" Kuantan-K. Terengganu (Jln. Jabor-Jerangau) "	5,381	5,590	6,553	7,566	8,036	7,667	4,105	3,992	4,268	4,136
59	TR 402	17.0	K. Terengganu-Kuantan	24,852	25,887	27,451	29,532	31,227	31,686	24,887	34,408	35,427	36,656
60	TR 502	33.0	K. Terengganu-Kg. Ajil-Jerangau	14,701	14,695	12,649	10,092	8,715	8,739	9,561	9,047	10,410	9,847
KUALA LUMPUR													
61	WR 102	12.1	Kuala Lumpur-Ipoh	214,746	277,797	276,092	252,341	253,179	214,760	211,188	169,218	138,477	134,184
62	WR 103	8.1	Kuala Lumpur-Ipoh	194,287	196,796	209,224	203,277	216,424	192,223	162,596	205,686	144,046	140,589
63	WR 105	8.1	Kuala Lumpur-Seremban Expressway	213,522	201,260	192,649	213,161	206,140	219,336	221,066	150,233	MANSUH	MANSUH

SUMBER: KEMENTERIAN KERJA RAYA

Source: Ministry of Works

JADUAL 1.14: PURATA TRAFIK HARIAN (ADT) DI 16 LOKASI, SABAH DAN SARAWAK, 2009-2018
 Table 1.14: Average Daily Traffic (ADT) at 16 Locations, Sabah and Sarawak, 2009-2018

BIL No	STESEN Station	KM	LOKASI Location	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
SABAH													
1	HR 101	4.8	Beaufort - Sindumin	4,811	4,924	5,965	5,422	5,694	6,508	6,710	6,493	6,269	6,363
2	HR 104	9.0	Tenom - Toman - Bekuku Highway	4,566	4,294	4,425	2,123	2,450	2,378	2,299	6,943	5,618	5,618
3	HR 201	22.5	Kota Kinabalu - Papar	7,968	9,370	11,791	14,491	14,406	15,329	15,786	15,999	15,892	16,348
4	HR 202	8.1	Donggongan - Tambunan	3,701	3,835	3,881	3,353	3,839	4,478	4,105	3,351	4,307	4,354
5	HR 204	69.0	Kota Kinabalu - Kudat (100mm From Longtigi Junction)	9,450	11,189	11,138	9,953	13,909	11,923	12,388	13,887	15,654	16,405
6	HR 501	31.4	Tawau - Semporna	9,407	10,074	10,035	10,455	10,327	10,229	11,508	11,694	12,649	13,012
7	HR 504	14.5	Sg. Segama Crossing	6,781	8,294	8,691	7,641	9,407	8,739	6,335	7,412	6,832	7,028
8	HR 506	68.0	20km from Semporna towards Tawau	2,663	2,711	3,074	2,742	2,704	3,087	2,310	3,609	2,689	2,721
9	HR 507	82.0	Tawau - Sandakan (Near Kunak Junction)	8,600	11,141	11,633	9,706	7,831	7,699	6,700	8,169	8,389	8,629
SARAWAK													
10	SR 101	16.1	Bau - Semantan	3,143	3,091	3,504	5,780	3,512	3,582	4,090	3,429	5,138	5,320
11	SR 103	27.4	Kucing - Serian	24,564	30,616	31,112	32,889	27,987	32,808	34,874	34,950	22,171	22,587
12	SR 401	20.0	Bintulu - Sibul	9,808	10,957	14,520	4,342	4,476	5,125	5,841	5,563	5,685	5,258
13	SR 402	29.0	Bintulu - Miri	7,880	8,507	4,178	5,355	9,139	8,677	7,452	7,428	8,000	8,208
14	SR 403	6.2	Miri - Bintulu (before junction to Airport)	11,060	10,506	12,211	11,805	10,865	10,887	12,329	9,092	9,861	9,792
15	SR 503	1.6	Limbang - Brunei Border (Sg.Padaruan)	14,141	19,032	13,519	11,014	12,742	11,150	12,807	13,245	15,221	14,901
16	SR 504	1.6	Lawas - Trusan	5,139	3,653	6,683	6,448	7,243	7,200	7,912	11,701	9,640	10,623

SUMBER: KEMENTERIAN KERJA RAYA
 Source: Ministry of Works



JADUAL 1.15: KOMPOSISI TRAFIK (%) MENGIKUT JENIS KENDERAAN DI 14 STESEN TERPILIH, MALAYSIA, 2018
 Table 1.15: Traffic Composition (%) by Type of Vehicle at 14 Selected Stations, Malaysia, 2018

BIL No	STESEN Station	LOKASI Location	16 JAM TRAFIK 16 Hours Traffic	JENIS KENDERAAN <i>Type of Vehicle</i>					
				KERETA / TEKSI Car / Taxi	LORI KECIL Light Lorry	LORI SEDERHANA Medium Lorry	LORI BESAR Heavy Lorry	BAS Bus	MOTOSIKAL Motorcycle
SEMENANJUNG MALAYSIA <i>Peninsular Malaysia</i>									
1	JR 204	Johor Bahru - Kulai	149,199	73	7	5	2	2	12
2	JR 501	Johor Bahru - Endau	15,459	60	7	5	3	1	25
3	NR 501	Seremban - Kuala Lumpur	11,088	73	7	5	2	2	12
4	PR 115	Butterworth - Taiping	44,628	57	7	6	2	1	27
5	AR 301	Ipoh - Kampar	30,321	73	7	5	2	2	12
6	KR 501	Alor Setar - Sungai Petani	17,695	55	9	8	3	1	24
7	CR 805	Kuantan - Maran	7,061	73	7	5	2	2	12
8	CR 902	Persimpangan Bukit Iban - Rompin Di Lebuhraya Kuantan - Segamat	10,651	59	15	6	9	1	11
9	TR 402	Kuala Terengganu - Kuantan	36,656	73	7	5	2	2	12
10	DR 802	Kota Bharu - Kuala Krai	22,550	60	15	6	2	1	16
SABAH									
11	HR 201	Kota Kinabalu - Papar	16,348	58	26	6	3	1	6
12	HR 501	Tawau - Semporna	13,012	34	33	13	9	1	11
SARAWAK									
13	SR 103	Kuching - Serian	22,587	60	11	7	7	1	14
14	SR 402	Bintulu - Miri	8,208	36	41	6	9	1	7

SUMBER: KEMENTERIAN KERJA RAYA

Source: Ministry of Works

JADUAL 1.16: JUMLAH KEMALANGAN JALAN RAYA MENGIKUT NEGERI, MALAYSIA, 2009-2018
 Table 1.16: Total Road Accidents by States, Malaysia, 2009-2018

NEGERI State	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
PERLIS	1,633	1,548	1,791	1,881	1,895	1,888	1,861	2,062	1,925	2,093
KEDAH	17,701	17,966	19,699	19,935	20,228	20,159	22,016	23,200	23,262	23,239
PULAU PINANG	33,719	34,306	37,158	37,851	39,361	38,747	39,856	42,244	43,007	45,734
PERAK	32,327	32,072	33,506	34,714	35,408	35,131	36,736	38,531	38,587	38,278
SELANGOR	107,429	115,565	128,876	129,106	135,024	137,809	140,957	151,253	154,958	163,078
W.P. KUALA LUMPUR	51,942	53,493	58,795	61,872	64,527	63,535	64,664	68,866	72,940	72,284
NEGERI SEMBILAN	18,369	19,407	21,157	22,146	23,066	23,748	22,939	24,428	24,941	25,123
MELAKA	13,275	14,110	14,720	15,195	16,083	16,375	17,069	18,601	18,771	19,120
JOHOR	51,747	55,381	59,501	62,316	64,600	64,473	67,112	73,116	76,121	78,812
PAHANG	17,068	17,315	19,001	20,554	20,130	19,071	19,635	20,465	20,813	20,641
KELANTAN	9,549	9,707	9,603	9,968	9,748	9,383	9,960	10,544	10,786	10,983
TERENGGANU	10,118	10,106	10,684	10,861	10,996	10,326	10,381	10,793	10,713	10,607
SABAH	15,798	16,192	16,585	17,446	17,438	17,693	17,290	17,298	17,244	18,006
SARAWAK	16,655	17,253	17,964	18,578	18,700	17,858	19,130	20,065	19,807	20,600
JUMLAH Total	397,330	414,421	449,040	462,423	477,204	476,196	489,606	521,466	533,875	548,598

SUMBER: JABATAN SIASATAN DAN PENGUATKUASAAN TRAFIK BUKIT AMAN
 Source: Bukit Aman Traffic Investigation and Enforcement Department

JADUAL 1.17: JUMLAH KENDERAAN YANG TERLIBAT DALAM KEMALANGAN JALAN RAYA MENGIKUT JENIS KENDERAAN, MALAYSIA, 2009-2018

Table 1.17: Total Motor Vehicles Involved in Road Accidents by Type of Vehicle, Malaysia, 2009-2018

TAHUN Year	MOTOSIKAL Motorcycle	MOTOKAR Motorcar	VAN Van	BAS Bus	LORI Lorry	PEMACU 4 RODA Four Wheel Drive	TEKSI Taxi	BASIKAL Bicycle	LAIN-LAIN Others	JUMLAH Total
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
2018	113,288	591,399	17,226	7,328	36,915	45,757	3,912	727	21,143	837,695

SUMBER: JABATAN SIASATAN DAN PENGUATKUASAAN TRAFIK BUKIT AMAN

Source: Bukit Aman Traffic Investigation and Enforcement Department

JADUAL 1.18: JUMLAH KEMATIAN DISEBABKAN KEMALANGAN JALAN RAYA MENGIKUT TAHUN DAN NEGERI, MALAYSIA, 2009-2018

Table 1.18: Total Deaths Caused by Road Accidents by Year and States, Malaysia, 2009-2018

NEGERI State	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
PERLIS	90	66	79	71	72	61	65	67	62	64
KEDAH	550	532	515	548	517	525	530	572	560	509
PULAU PINANG	395	370	392	400	381	378	360	411	401	390
PERAK	829	820	811	753	770	750	726	789	711	693
SELANGOR	976	1,061	1,070	1,102	1,019	1,068	1,028	1,140	1,087	1,046
W.P. KUALA LUMPUR	230	233	236	249	243	238	256	232	236	229
NEGERI SEMBILAN	377	399	374	352	396	379	355	414	370	362
MELAKA	248	235	240	243	258	236	256	247	230	191
JOHOR	1,060	1,076	1,073	1,073	1,128	1,018	1,040	1,135	1,067	977
PAHANG	512	574	563	540	592	539	532	539	485	485
KELANTAN	453	380	392	392	378	354	426	453	442	420
TERENGGANU	348	314	292	301	320	276	307	342	330	275
SABAH	345	447	398	450	420	420	392	379	351	310
SARAWAK	332	365	442	443	421	432	433	432	408	333
JUMLAH Total	6,745	6,872	6,877	6,917	6,915	6,674	6,706	7,152	6,740	6,284

SUMBER: JABATAN SIASATAN DAN PENGUATKUASAAN TRAFIK BUKIT AMAN

Source: Bukit Aman Traffic Investigation and Enforcement Department



JADUAL 1.19: JUMLAH KEMALANGAN, KECEDERAAN DAN KEMATIAN DISEBABKAN KEMALANGAN JALAN RAYA, MALAYSIA, 2009-2018

Table 1.19: Number of Accidents, Casualties and Deaths Caused by Road Accidents, Malaysia, 2009-2018

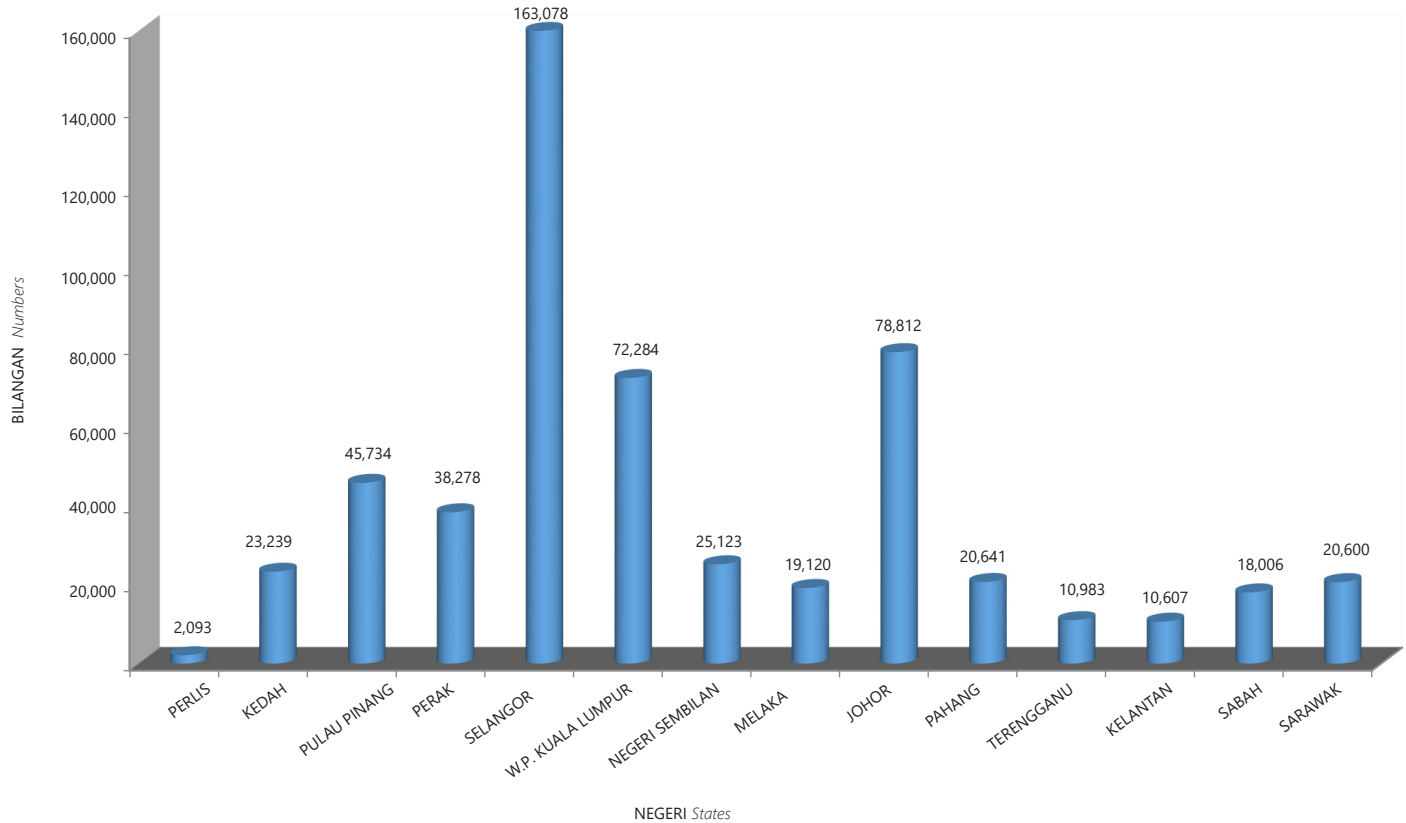
TAHUN <i>Year</i>	JUMLAH KEMALANGAN <i>Total Number of Accidents</i>	KECEDERAAN DAN KEMATIAN <i>Casualties</i>			
		MATI <i>Death</i>	PARAH <i>Serious</i>	RINGAN <i>Minor</i>	JUMLAH <i>Total</i>
2009	397,330	6,745	8,849	15,823	31,417
2010	414,421	6,872	7,781	13,616	28,269
2011	449,040	6,877	6,328	12,365	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
2018	548,598	6,284	2,964	5,377	14,625

SUMBER: JABATAN SIASATAN DAN PENGUATKUASAAN TRAFIK BUKIT AMAN

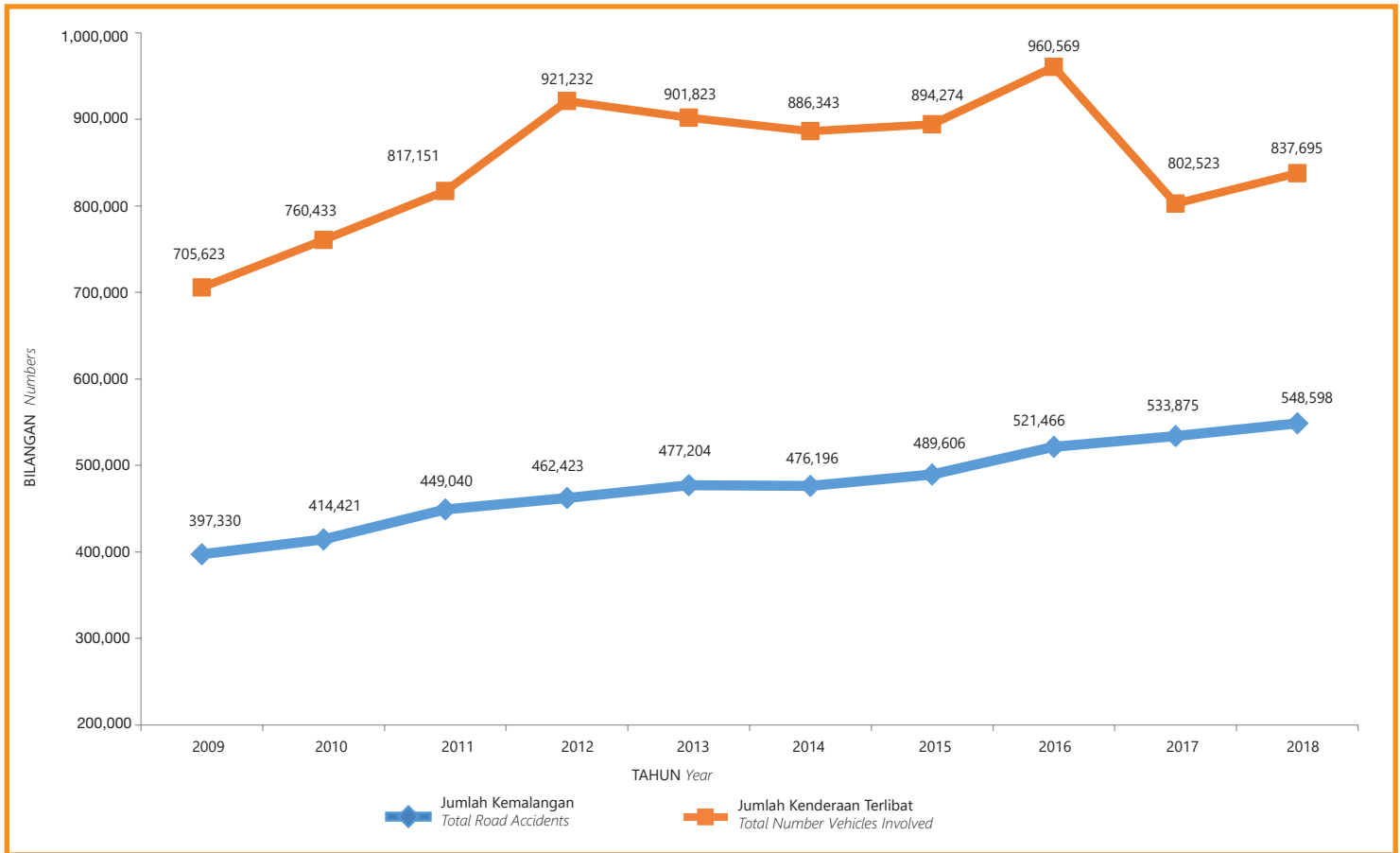
Source: Bukit Aman Traffic Investigation and Enforcement Department

CARTA 1.5: JUMLAH KEMALANGAN JALAN RAYA MENGIKUT NEGERI, MALAYSIA, 2018

Chart 1.5: Total Road Accidents by States, Malaysia, 2018

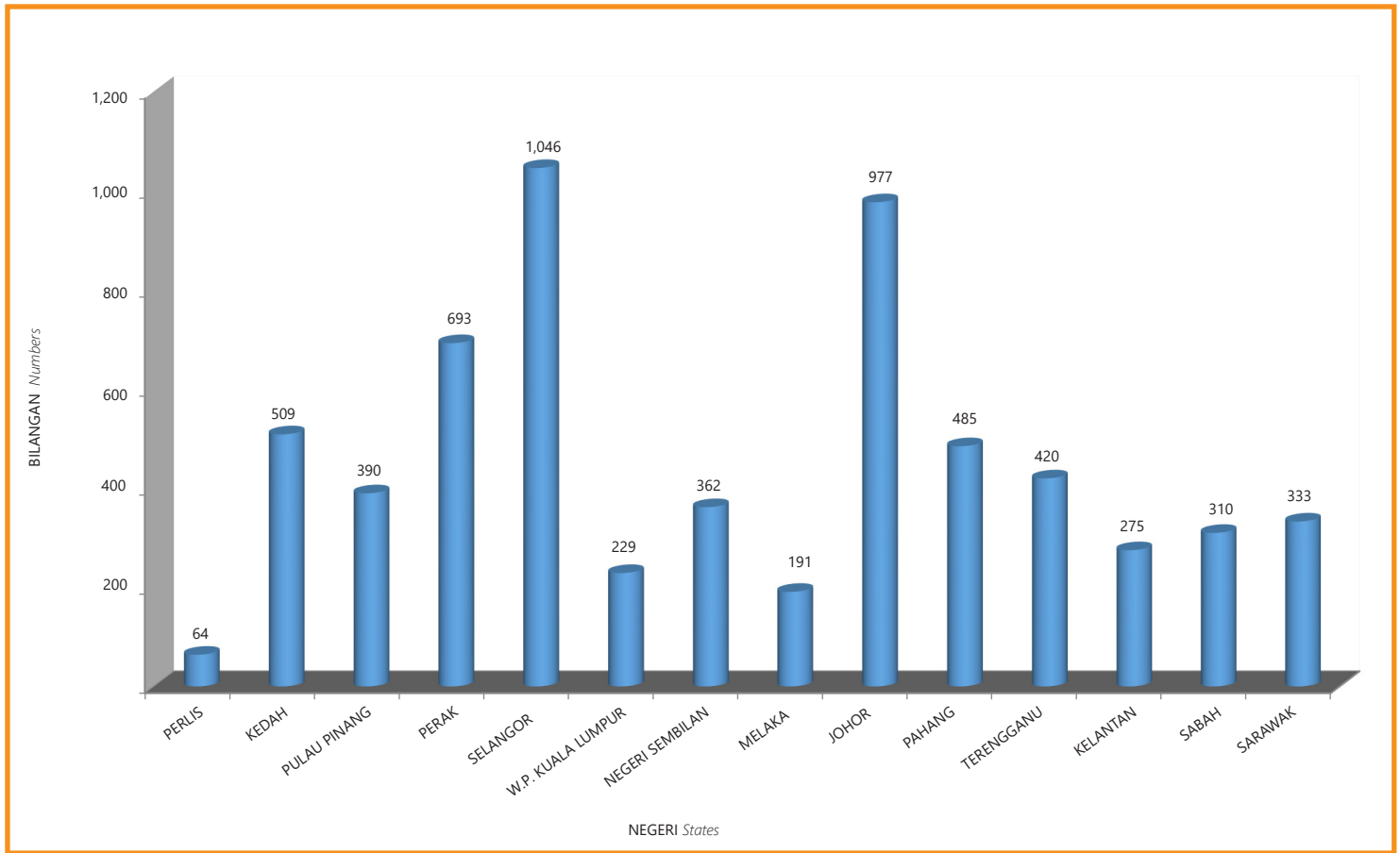


CARTA 1.6: JUMLAH KEMALANGAN JALAN RAYA DAN KENDERAAN TERLIBAT, MALAYSIA, 2009-2018
Chart 1.6: Total Road Accidents and Motor Vehicles Involved, Malaysia, 2009-2018



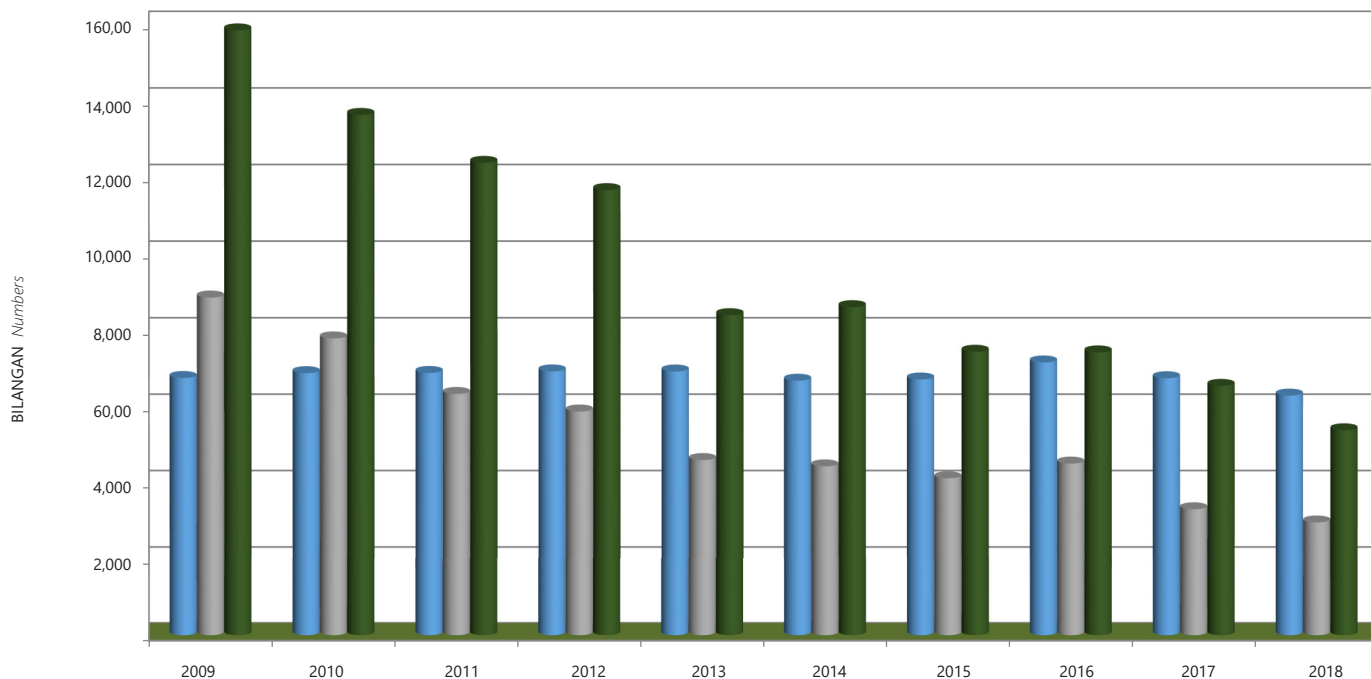
CARTA 1.7: KEMATIAN DISEBABKAN KEMALANGAN JALAN RAYA MENGIKUT NEGERI, MALAYSIA, 2018

Chart 1.7: Deaths Caused by Road Accidents by States, Malaysia, 2018



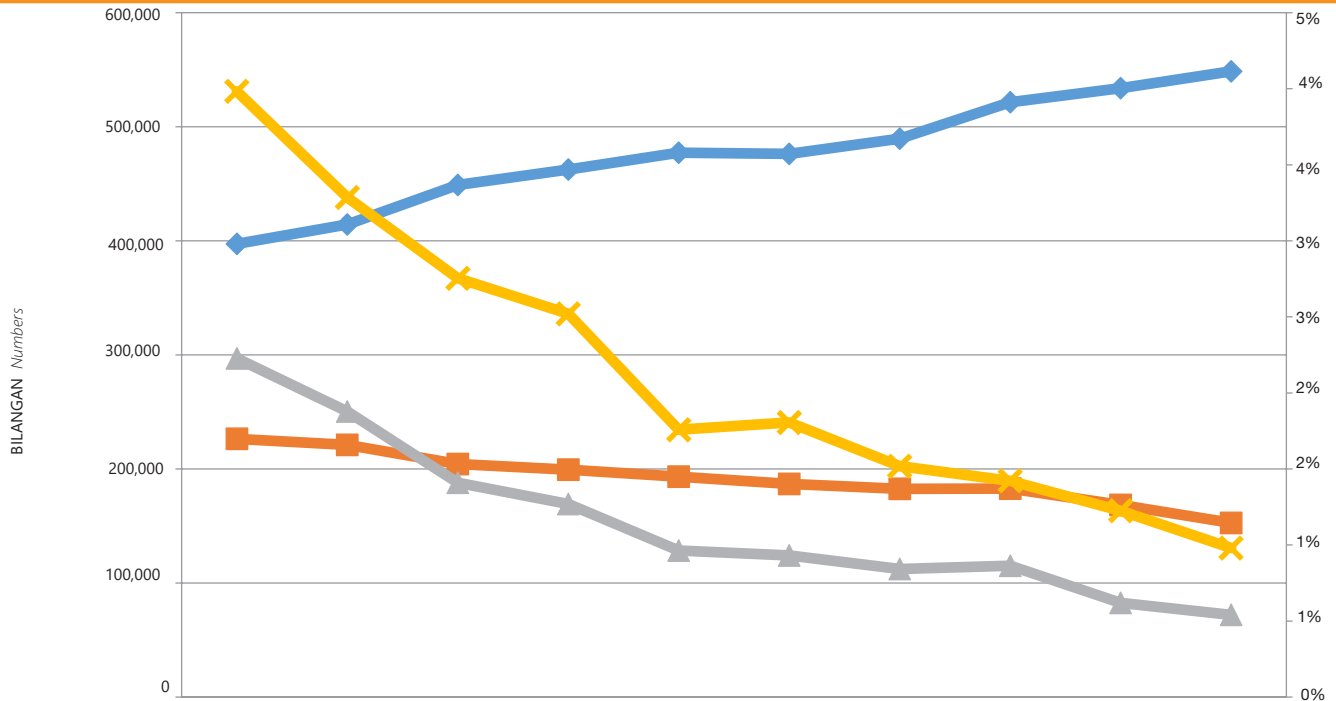
CARTA 1.8: KECEDERAAN DAN KEMATIAN DISEBABKAN OLEH KEMALANGAN JALAN RAYA, MALAYSIA, 2009-2018

Chart 1.8: Casualties and Deaths Caused by Road Accidents, Malaysia, 2009-2018



	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
■ Mati <i>Death</i>	6,745	6,872	6,877	6,917	6,915	6,674	6,706	7,152	6,740	6,284
■ Cedera Parah <i>Severe Injuries</i>	8,849	7,781	6,328	5,868	4,597	4,432	4,120	4,506	3,310	2,964
■ Cedera Ringan <i>Minor Injuries</i>	15,823	13,616	12,365	11,654	8,388	8,598	7,432	7,415	6,539	5,377

CARTA 1.9: KEMALANGAN, PERATUS KECEDEeraan DAN KEMATIAN DISEBABKAN KEMALANGAN JALAN RAYA, MALAYSIA, 2009-2018
 Chart 1.9: Total Accidents, Percentage of Casualties and Deaths Caused by Road Accidents, Malaysia, 2009-2018



	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Kemalangan Accidents	397,330	414,421	449,040	462,423	477,204	476,196	486,606	521,466	533,875	548,598
% Mati % Death	1.70%	1.66%	1.53%	1.50%	1.45%	1.40%	1.37%	1.37%	1.26%	1.15%
Parah % Severe	2.23%	1.88%	1.41%	1.27%	0.96%	0.93%	0.84%	0.86%	0.62%	0.54%
Ringan % Minor	3.98%	3.29%	2.75%	2.52%	1.76%	1.81%	1.52%	1.42%	1.22%	0.98%



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

JADUAL 2.1: STATISTIK TRAFIK KERETAPI TANAH MELAYU BERHAD (KTMB), 2009-2018
 Table 2.1: Malayan Railways Limited Traffic Statistics, 2009-2018

TAHUN Year	PERKHIDMATAN KERETAPI Rail Services					KTM KOMUTER KTM Commuter	ELECTRIC TRAIN SERVICES (ETS)		
	PENUMPANG Passenger		BARANGAN Freight		KONTENA Container	PENUMPANG Passenger		PENUMPANG Passenger	
	BIL No (' 000)	KM PENUMPANG Passenger Km (' 000,000)	TONNE Tonnes (' 000)	TONNE KM Tonnes Km (' 000,000)	TEU Teus	BIL No (' 000)	KM PENUMPANG Passenger Km (' 000,000)	BIL No (' 000)	KM PENUMPANG Passenger Km (' 000,000)
2009	4,267	1,521	5,231	1,384	333,292	34,683	823	-	-
2010	4,216	1,529	5,432	1,483	326,503	35,048	818	215	53
2011	3,685	1,426	5,914	1,535	313,113	35,599	821	912	227
2012	3,056	1,216	6,096	1,564	331,871	34,847	735	1,180	276
2013	2,703	1,081	6,622	1,760	343,395	43,942	961	1,563	371
2014	2,223	618	7,136	1,741	318,033	46,957	1,045	1,692	323
2015	2,015	428	6,205	1,474	283,063	49,690	1,116	2,060	441
2016	2,791	272	5,991	1,349	331,901	41,469	1,110	3,565	966
2017	3,092	180	5,617	1,234	331,059	37,274	1,100	4,148	1,189
2018	3,527	178	5,944	1,315	351,222	32,078	1,012	3,933	1,127

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, 2009-2018
 Table 2.2: Number of Passengers and Passenger Kilometres by Classes, 2009-2018

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
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
2018	3.0	3,254.0	270.3	3,527.2	1.1	154.1	23.0	178.2

SUMBER: KERETAPI TANAH MELAYU BERHAD (KTMB)

Source: Malayan Railways Limited

JADUAL 2.3: BILANGAN PENUMPANG DAN KILOMETER PENUMPANG BAGI PERKHIDMATAN KERETAPI EKSPRES, 2009-2018

Table 2.3: Number of Passengers and Passenger Kilometres for Express Trains Services, 2009-2018

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
2009	47.0	320.0	-	367.0	19.0	131.0	-	150.0	29.0	234.0	31.0	294.0	10.0	83.0	10.0	103.0
2010	46.0	335.0	-	381.0	14.0	134.0	-	148.0	26.0	208.0	1.0	235.0	9.4	75.0	0.4	84.8
2011	43.0	349.0	-	392.0	17.3	146.0	-	163.3	35.8	332.9	-	368.7	13.2	123.7	-	136.9
2012	38.0	290.0	-	328.0	12.0	120.0	-	132.0	36.0	318.0	-	354.0	12.0	122.0	-	134.0
2013	43.0	320.0	-	363.0	14.0	126.0	-	140.0	24.0	184.0	-	208.0	8.1	68.0	-	76.1
2014	70.0	299.0	-	369.0	24.0	110.0	-	134.0	36.0	141.0	-	177.0	12.0	44.0	-	56.0
2015	43.2	393.4	-	436.6	14.3	149.0	-	163.3	18.0	89.4	-	107.4	5.6	30.2	-	35.8
2016	5.9	150.8	-	156.7	5.3	21.6	-	26.9	-	-	-	-	-	-	-	-
2017	DIBATALKAN Cancelled															
2018	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
2009	11.0	209.0	387.0	607.0	4.0	116.0	137.0	257.0	12.0	169.0	280.0	461.0	7.0	94.0	160.0	261.0
2010	9.1	204.0	264.0	477.1	5.4	105.0	101.0	211.4	10.4	183.0	249.0	442.4	9.1	106.0	136.6	251.7
2011	9.7	211.1	167.3	388.1	4.9	112.0	64.8	181.7	8.7	203.4	210.1	422.2	5.5	120.1	117.8	243.4
2012	10.2	215.0	151.0	376.2	5.2	117.0	57.0	179.2	8.3	203.0	168.0	379.3	4.6	121.0	90.0	215.6
2013	10.5	269.0	121.0	400.5	5.4	139.0	43.0	187.4	8.0	231.0	102.0	341.0	4.3	130.0	51.0	185.3
2014	2.3	292.0	97.0	391.3	1.2	141.0	36.0	178.2	1.5	206.0	84.0	291.5	0.7	114.0	38.0	152.7
2015	6.1	291.6	184.9	482.6	2.0	149.7	66.2	217.9	-	-	-	-	-	-	-	-
2016	6.2	105.0	41.1	152.3	2.0	39.7	10.6	52.3	-	-	-	-	-	-	-	-
2017	DIBATALKAN Cancelled															
2018	DIBATALKAN Cancelled															

SUMBER: KERETAPI TANAH MELAYU BERHAD (KTMB)

Source: Malayan Railways Limited

JADUAL 2.3: BILANGAN PENUMPANG DAN KILOMETER PENUMPANG BAGI PERKHIDMATAN KERETAPI EKSPRES, 2009-2018 (SAMB.)

Table 2.3: Number of Passengers and Passenger Kilometres for Express Trains Services, 2009-2018 (Cont'd)

TAHUN Year	EKSPRES <i>Express</i> SENANDUNG SUMATERA								EKSPRES <i>Express</i> TIMURAN							
	BILANGAN PENUMPANG <i>Number of Passengers ('000)</i>				KILOMETER PENUMPANG <i>Passenger KM ('000,000)</i>				BILANGAN PENUMPANG <i>Number of Passengers ('000)</i>				KILOMETER PENUMPANG <i>Passenger KM ('000,000)</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>	KELAS SATU <i>First Class</i>	KELAS DUA <i>Second Class</i>	KELAS TIGA <i>Third Class</i>	JUMLAH <i>Total</i>
2009	6.0	247.2	0.5	253.7	6.0	116.1	0.2	122.3	-	281.0	263.0	544.0	-	144.0	130.0	274.0
2010	8.4	307.0	1.0	316.4	6.6	155.0	0.8	162.4	-	288.0	215.0	503.0	-	156.0	100.0	256.0
2011	16.7	246.3	-	263.0	9.7	136.9	-	146.6	3.9	293.4	116.8	414.1	2.8	162.8	62.3	227.9
2012	23.5	232.0	-	255.5	10.9	111.0	-	121.9	5.3	240.0	82.0	327.3	3.8	136.0	40.0	179.8
2013	25.0	248.0	-	273.0	11.6	113.0	-	124.6	-	246.0	71.0	317.0	-	137.0	36.0	173.0
2014	9.7	256.0	-	265.7	5.2	100.0	-	105.2	-	225.0	29.0	254.0	-	118.0	15.2	133.2
2015	7.9	238.9	-	246.8	3.3	106.3	-	109.6	-	60.1	9.5	69.6	-	28.3	5.7	34.0
2016	5.1	63.9	-	69.0	1.5	19.6	-	21.1	0.5	203.0	36.5	240.0	0.3	90.4	10.4	101.1
2017	DIBATALKAN <i>Cancelled</i>								-	264.4	3.1	267.5	-	116.6	0.8	117.3
2018	DIBATALKAN <i>Cancelled</i>								2.9	258.0	4.4	265.3	1.1	112.7	1.2	115.0

SUMBER: KERETAPI TANAH MELAYU BERHAD (KTMB)

Source: *Malayan Railways Limited*

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.

JADUAL 2.4: TRAFIK BARANGAN MENGIKUT JENIS KARGO, 2009–2018
 Table 2.4: Freight Traffic by Type of Cargo, 2009-2018

JENIS KARGO Type of Cargo	(' 000)	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
SIMEN & KLINKER <i>Cement & Clinker</i>	Tonne	1,704	1,814	2,225	2,353	2,594	2,358	2,167	1,870	1,727	1,628
	t km	531,335	605,926	732,170	800,580	926,261	794,218	709,409	561,404	496,426	464,561
KONTENA PERKAPALAN <i>Maritime Container</i>	Tonne	2,603	2,588	2,702	2,691	2,864	3,776	3,157	3,138	2,954	3,417
	t km	455,843	408,893	383,866	390,237	406,723	633,616	532,818	543,274	514,733	646,137
LANDBRIDGE <i>Landbridge</i>	Tonne	55	39	25	19	19	89	133	186	325	401
	t km	15,711	17,189	22,954	25,724	30,512	53,258	48,071	60,303	70,630	76,830
PETROL & MINYAK GALIAN <i>Petrol & Mineral Oil</i>	Tonne	-	-	-	-	-	-	-	-	-	-
	t km	-	-	-	-	-	-	-	-	-	-
MAKANAN & MINUMAN PROSES <i>Processed Food & Drink</i>	Tonne	476	487	460	417	413	418	421	431	377	311
	t km	319,811	308,923	221,428	168,725	169,418	187,878	161,967	150,592	135,934	114,565
BERAS, PADI & BRAN <i>Rice, Paddy & 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 & Other Minerals</i>	Tonne	6	2	0	-	-	-	-	-	-	-
	t km	102	43	2	-	-	-	-	-	-	-
KIMIA <i>Chemicals</i>	Tonne	258	298	287	337	342	377	326	349	234	188
	t km	18,390	22,422	19,771	19,774	21,047	25,256	21,838	23,423	15,919	12,578
MINYAK MAKAN <i>Edible Oil</i>	Tonne	-	-	-	-	-	-	-	-	-	-
	t km	-	-	-	-	-	-	-	-	-	-
LAIN-LAIN <i>Others</i>	Tonne	129	204	215	279	390	118	1	17	-	-
	t km	42,917	119,294	155,284	159,253	205,671	47,235	255	10,379	-	-
JUMLAH <i>Total</i>	Tonne	5,231	5,432	5,914	6,096	6,622	7,136	6,205	5,991	5,617	5,944
	t km	1,384,109	1,482,690	1,535,475	1,564,293	1,759,632	1,741,461	1,474,358	1,349,375	1,233,642	1,314,671

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

JADUAL 2.5: DAFTAR LOKOMOTIF, 2009–2018

Table 2.5: Locomotive Inventory, 2009–2018

TAHUN <i>Year</i>	LALUAN UTAMA <i>Mainline</i>							TREN SET ELEKTRIK <i>Electric Train Set</i>				ENJIN LANGSIR <i>Shunting</i>					
	HIDRAULIK KELAS 21 <i>Class 21 Hydraulic</i>	KELAS Class 22	KELAS Class 23	KELAS Class 24	KELAS Class 25	KELAS Class 26	KELAS Class 29	JUMLAH <i>Total</i>	RELKAR (RELBAS) <i>Rail-Car (Rail-Bus)</i>	SET EMU Sets	SET ETS Sets	JUMLAH <i>Total</i>	LETRIK KELAS 15 <i>Class 15 Electric</i>	HIDRAULIK KELAS 16/17 <i>Class 16/17 Hydraulic</i>	LETRIK KELAS 18 <i>Class 18 Electric</i>	LETRIK KELAS 19 <i>Class 19 Electric</i>	JUMLAH <i>Total</i>
2009	-	4.0	11.0	18.0	17.0	20.0	20	90	-	58.0	-	58	-	-	-	10.0	10
2010	-	0.0	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	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
2018	-	-	6.0	16.0	17.0	20.0	20.0	79	-	58.0	15.0	73	-	-	-	10.0	10

SUMBER: KERETAPI TANAH MELAYU BERHAD (KTMB)

Source: Malayan Railways Limited

JADUAL 2.6: DAFTAR KOC PENUMPANG 2009–2018
 Table 2.6: Passenger Coaches Inventory, 2009–2018

TAHUN Year	PERJALANAN SIANG Day Travel			PERJALANAN MALAM/ SIANG Night/ Day Travel			LAIN-LAIN Others			JUMLAH Total						
	BILANGAN KOC Number of Coaches	JUMLAH TEMPAT DUDUK Number of Seats			BILANGAN KOC Number of Coaches	JUMLAH TEMPAT DUDUK Number of Seats			BILANGAN KOC Number of Coaches	JUMLAH TEMPAT DUDUK Number of Seats			BILANGAN KOC Number of Coaches	JUMLAH TEMPAT DUDUK Number of Seats		
		KELAS Class I	KELAS Class II	KELAS Class III		KELAS Class I	KELAS Class II	KELAS Class III		KELAS Class I	KELAS Class II	KELAS Class III		KELAS Class I	KELAS Class II	KELAS Class III
2009	111	360	4,320	2,146	51	184	1,480	-	12	-	200	76	174	544	6,000	2,222
2010	101	280	3,689	1,752	45	131	1,446	-	14	-	172	-	160	411	5,307	1,752
2011	101	280	3,689	1,752	45	131	1,446	-	14	-	172	-	160	411	5,307	1,752
2012	52	264	2,280	-	94	284	3,400	814	-	-	-	-	146	548	5,680	814
2013	43	168	1,680	370	77	160	2,520	1,258	-	-	-	-	120	328	4,200	1,628
2014	29	274	1,258	-	54	24	2,272	391	-	-	-	-	82	298	3,530	391
2015	72	64	3,751	592	83	155	3,533	979	-	-	-	-	155	219	7,284	1,571
2016	69	-	4,140	-	69	-	3,840	74	-	-	-	-	138	-	7,980	74
2017	102	-	4,860	1,554	62	-	3,300	222	-	-	-	-	164	-	8,160	1,776
2018	103	-	4,920	1,554	57	-	3,040	222	-	-	-	-	160	-	7,960	1,776

SUMBER: KERETAPI TANAH MELAYU BERHAD (KTMB)

Source: Malayan Railways Limited

JADUAL 2.7: DAFTAR GERABAK BARANG, 2009-2018
 Table 2.7: Freight Wagon Inventory, 2009-2018

TAHUN <i>Year</i>	GERABAK TERTUTUP <i>Covered Wagons</i>	GERABAK TEBING TINGGI <i>High Side Wagons</i>	GERABAK TEBING RENDAH <i>Low Side Wagons</i>	GERABAK TANGKI <i>Tank Wagons</i>				GERABAK BOLSTER <i>Bolster Wagons</i>	GERABAK TERNAKAN <i>Livestock Wagons</i>	LAIN-LAIN GERABAK <i>Other Wagons</i>	JUMLAH <i>Total</i>
				PETROLEUM <i>Petroleum</i>	MINYAK SAWIT <i>Palm Oil</i>	GETAH CECAIR <i>Latex</i>	AMMONIA <i>Ammonia</i>				
2009	110	1	211	99	-	1	-	1,913	2	936	3,273
2010	85	-	173	95	-	1	-	1,882	-	925	3,161
2011	70	-	170	84	-	1	-	1,879	-	932	3,136
2012	70	-	170	84	-	1	-	1,879	-	932	3,136
2013	42	-	157	74	-	1	-	1,811	-	876	2,961
2014	40	-	157	50	-	1	-	1,804	-	868	2,920
2015	37	-	152	50	-	1	-	1,795	-	860	2,895
2016	45	-	151	50	-	2	-	2,615	-	-	2,863
2017	45	-	139	-	-	-	-	2,180	-	74	2,438
2018	59	-	139	19	-	1	-	2,475	2	109	2,804

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

JADUAL 2.8: BILANGAN PENUMPANG BAGI PERKHIDMATAN PENGANGKUTAN REL, 2009-2018
 Table 2.8: Number of Passengers for Rail Transport Services, 2009-2018

JENIS PERKHIDMATAN <i>Type of Services</i>	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
LALUAN KELANA JAYA	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	87,216,597
LALUAN AMPANG	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	60,960,445
LALUAN MRT SBK	-	-	-	-	-	-	-	-	22,350,508	51,314,240
KL MONORAIL	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	12,594,377
KLIA EKSPRES	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	2,195,353
KLIA TRANSIT	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	6,540,177

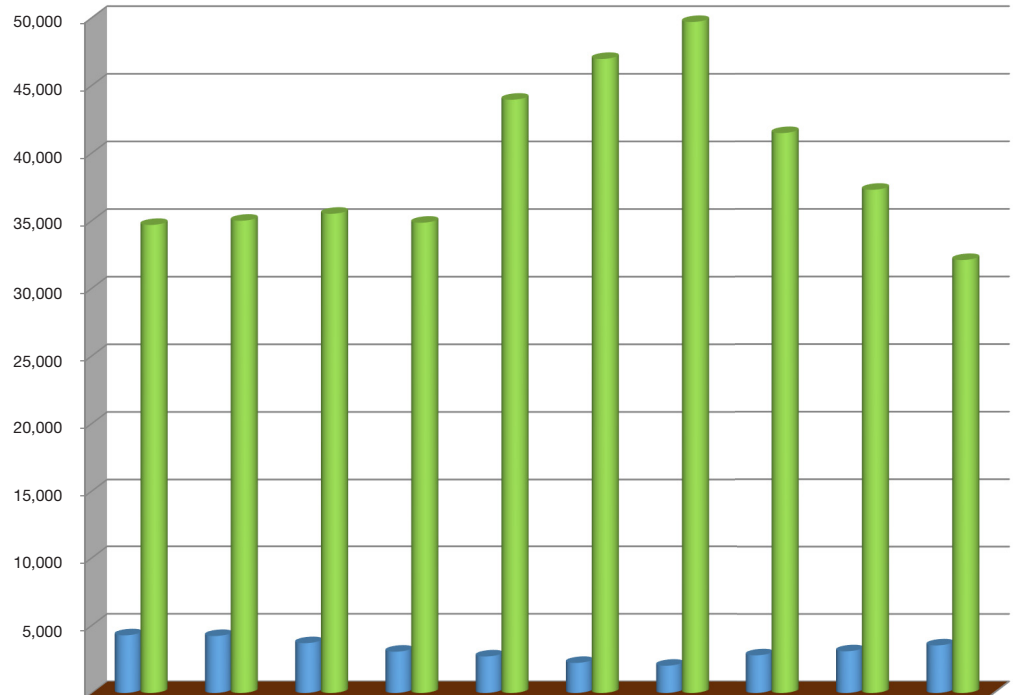
SUMBER *Source* : PRASARANA MALAYSIA BERHAD, EXPRESS RAIL LINK SDN BHD

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, 2009-2018

Chart 2.1: Number of KTMB and Commuter Passengers for Malaysian Railways Limited, 2009-2018

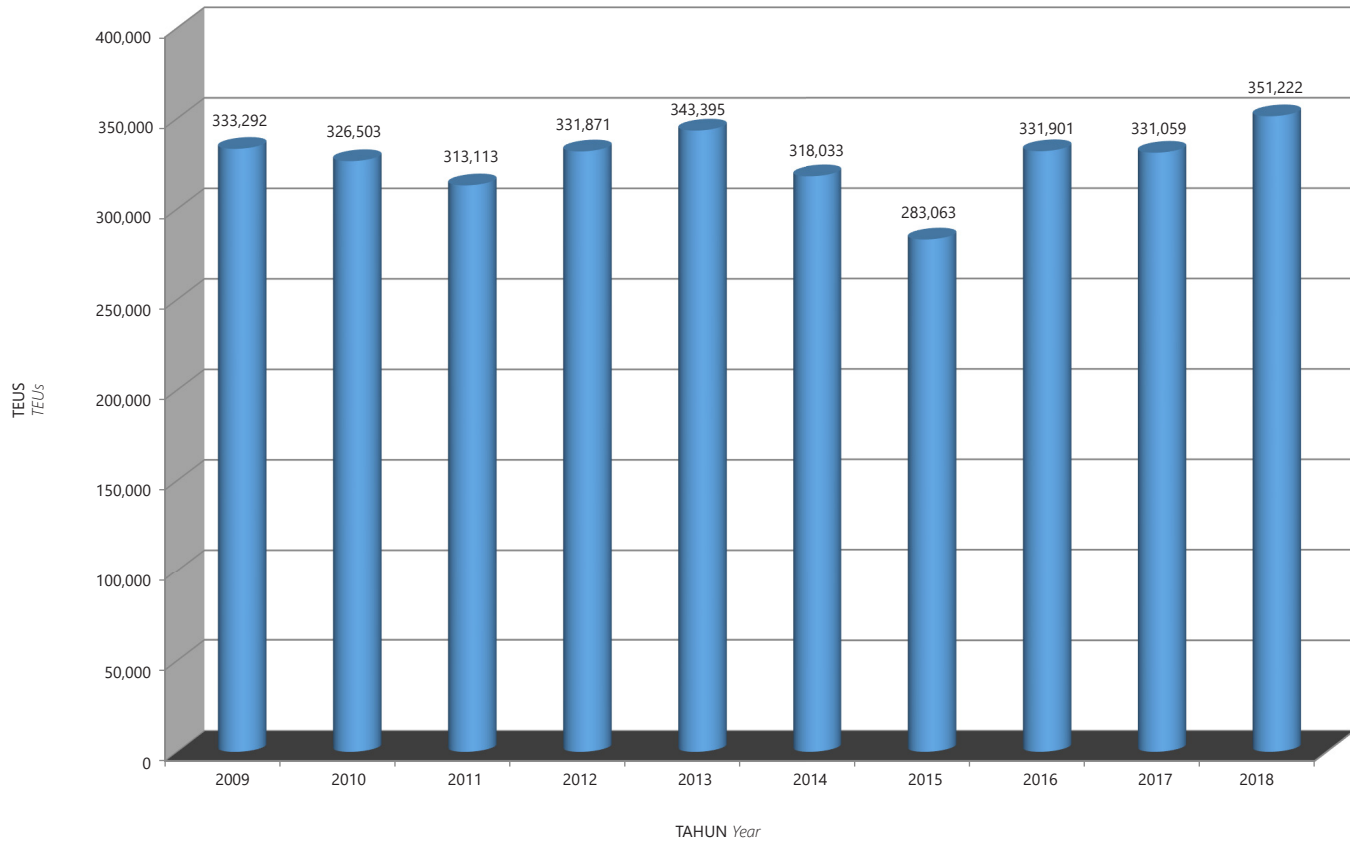
BILANGAN PENUMPANG
Number of Passenger ('000)



	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Penumpang KTMB <i>KTMB Passenger</i>	4,267	4,216	3,685	3,056	2,703	2,223	2,015	2,791	3,092	3,527
Penumpang Komuter <i>Commuter Passenger</i>	34,683	35,048	35,599	34,847	43,942	46,957	49,690	41,469	37,274	32,078

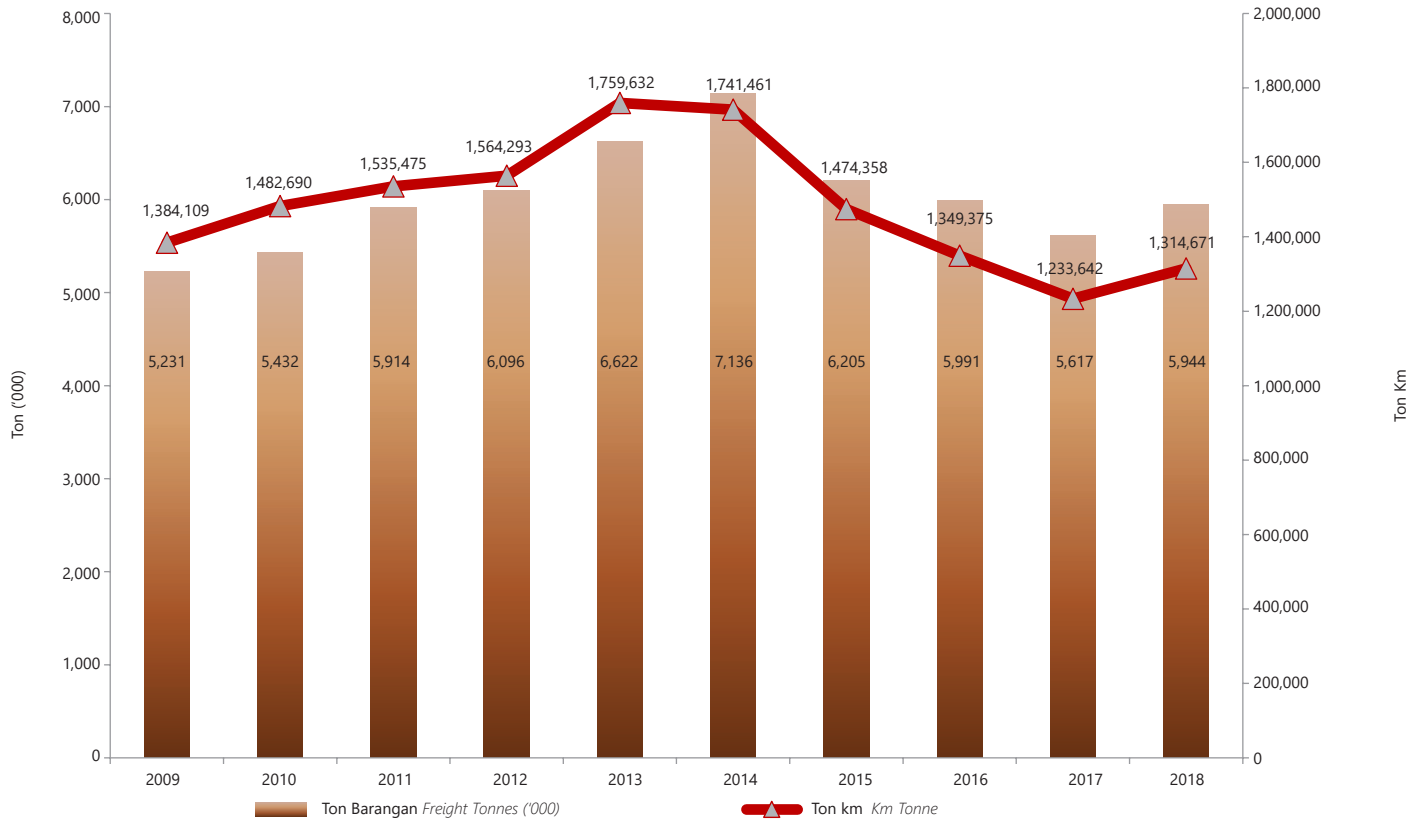


CARTA 2.2: JUMLAH KONTENA YANG DIKENDALIKAN KERETAPI TANAH MELAYU BERHAD, 2009-2018
Chart 2.2: Total Container Handled by Malayan Railways Limited, 2009-2018

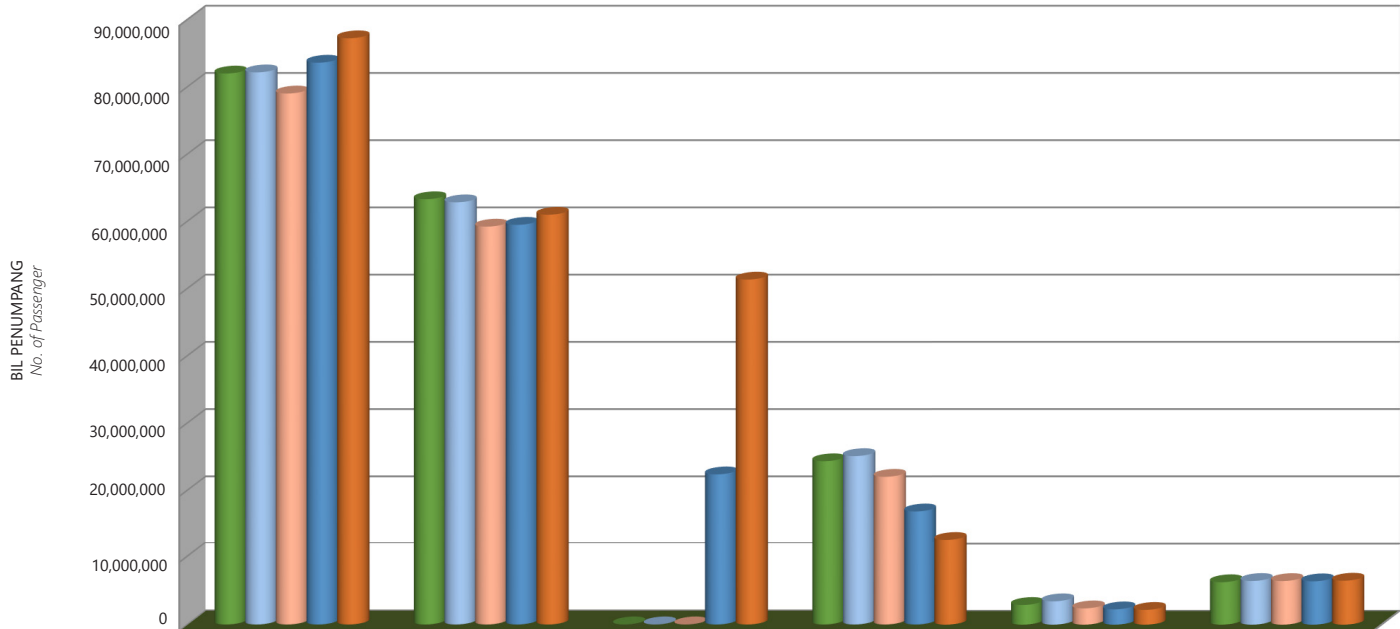


CARTA 2.3: TRAFIK BARANGAN BAGI PERKHIDMATAN KERETAPI TANAH MELAYU BERHAD (KTMB), 2009-2018

Chart 2.3: Freight Traffic for Malayan Railways Limited, 2009-2018



CARTA 2.4: BILANGAN PENUMPANG BAGI PERKHIDMATAN PENGANGKUTAN REL, 2014-2018
 Chart 2.4: Number of Passengers for Rail Transport Services, 2014-2018



	LALUAN KELANA JAYA	LALUAN AMPANG	LALUAN MRT SBK	KL MONORAIL	KLIA EKSPRES	KLIA TRANSIT
2014	81,971,322	63,270,432	0	24,303,465	2,928,302	6,310,323
2015	82,144,674	62,809,412	0	25,067,866	3,470,710	6,496,617
2016	79,002,829	59,192,907	0	21,990,242	2,419,883	6,485,272
2017	83,585,412	59,462,032	22,350,508	16,841,630	2,275,650	6,443,667
2018	87,216,597	60,960,445	51,314,240	12,594,377	2,195,353	6,540,177



**PENGANGKUTAN
MARITIM**
Maritime Transport

JADUAL 3.1: JUMLAH KARGO YANG DIKENDALIKAN MENGIKUT PELABUHAN, MALAYSIA, 2009-2018

Table 3.1: Total Cargo Throughput by Ports, Malaysia, 2009-2018

(‘000) FREIGHTWEIGHT TONNES

BIL No	PELABUHAN Ports		2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	
1	KELANG	EKSPORT <i>Export</i>	65,262	78,983	89,517	90,551	90,423	95,559	100,644	113,709	104,202	104,418	
		IMPORT <i>Import</i>	72,353	91,773	104,651	107,356	109,855	121,730	119,142	131,748	108,106	116,282	
		PINDAH KAPAL <i>Trans-shipment</i>	-	73	-	-	-	-	-	-	-	-	-
		JUMLAH Total	137,615	170,829	194,168	197,907	200,278	217,289	219,786	245,457	212,308	220,700	
2	PULAU PINANG	EKSPORT <i>Export</i>	10,531	12,434	12,870	12,894	12,934	12,865	13,024	13,816	14,715	15,081	
		IMPORT <i>Import</i>	13,251	15,861	15,899	15,918	16,497	16,421	16,676	16,482	17,416	18,658	
		PINDAH KAPAL <i>Trans-shipment</i>	496	551	620	515	650	761	614	679	642	670	
		JUMLAH Total	24,278	28,846	29,390	29,328	30,081	30,047	30,314	30,978	32,773	34,409	
3	JOHOR	EKSPORT <i>Export</i>	11,601	11,585	11,774	10,494	10,402	10,728	11,389	11,174	11,842	13,001	
		IMPORT <i>Import</i>	13,633	16,544	20,900	15,415	16,577	16,575	17,263	16,948	16,534	18,011	
		PINDAH KAPAL <i>Trans-shipment</i>	-	-	-	-	-	-	-	-	-	-	-
		JUMLAH Total	25,234	28,129	32,674	25,909	26,979	27,303	28,652	28,122	28,376	31,012	
4	KUANTAN	EKSPORT <i>Export</i>	6,835	8,050	11,073	12,021	15,099	17,001	36,255	12,149	11,734	9,357	
		IMPORT <i>Import</i>	3,438	4,030	4,133	4,043	4,233	4,365	3,775	4,192	5,728	8,641	
		PINDAH KAPAL <i>Trans-shipment</i>	-	-	-	-	-	-	-	-	-	-	-
		JUMLAH Total	10,273	12,079	15,207	16,064	19,332	21,367	40,030	16,341	17,462	17,998	

SUMBER: SEMUA PELABUHAN DAN JABATAN LAUT

Source: All Ports and Marine Department

JADUAL 3.1: JUMLAH KARGO YANG DIKENDALIKAN MENGIKUT PELABUHAN, MALAYSIA, 2009-2018 (SAMB.)

Table 3.1: Total Cargo Throughput by Ports, Malaysia, 2009-2018 (Cont'd)

(000) FREIGHTWEIGHT TONNES

BIL No	PELABUHAN Ports		2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	
5	BINTULU	EKSPORT Export	33,302	34,777	36,138	35,134	37,652	38,149	37,463	38,310	40,433	36,994	
		IMPORT Import	3,128	3,854	4,252	4,888	4,824	5,644	5,824	6,310	5,919	5,485	
		PINDAH KAPAL Trans-shipment	2,014	1,995	1,313	1,136	1,329	1,602	1,450	1,379	1,293	1,575	
		JUMLAH Total	38,444	40,625	41,703	41,158	43,805	45,395	44,737	45,999	47,645	44,054	
6	TANJUNG BRUAS	EKSPORT Export	25	37	82	115	177	144	44	84	63	38	
		IMPORT Import	437	414	361	304	301	299	479	561	805	675	
		PINDAH KAPAL Trans-shipment	-	-	-	-	-	-	-	-	-	-	-
		JUMLAH Total	463	451	443	420	477	443	523	645	868	713	
7	KUCHING	EKSPORT Export	1,815	2,144	2,148	1,875	2,183	2,284	2,529	2,260	1,900	1,665	
		IMPORT Import	5,077	6,069	6,532	7,314	7,395	6,851	6,800	6,902	6,807	7,343	
		PINDAH KAPAL Trans-shipment	-	-	-	-	-	-	-	-	-	-	-
		JUMLAH Total	6,892	8,213	8,679	9,189	9,578	9,134	9,329	9,162	8,707	9,008	
8	MIRI	EKSPORT Export	5,028	5,410	4,908	4,823	5,563	5,226	4,701	4,494	4,321	4,032	
		IMPORT Import	605	746	865	842	866	697	579	591	682	750	
		PINDAH KAPAL Trans-shipment	-	-	-	-	-	-	-	-	-	-	-
		JUMLAH Total	5,633	6,156	5,773	5,665	6,429	5,923	5,280	5,086	5,003	4,782	

SUMBER: SEMUA PELABUHAN DAN JABATAN LAUT

Source: All Ports and Marine Department

JADUAL 3.1: JUMLAH KARGO YANG DIKENDALIKAN MENGIKUT PELABUHAN, MALAYSIA, 2009-2018 (SAMB.)

Table 3.1: Total Cargo Throughput by Ports, Malaysia, 2009-2018 (Cont'd)

(’000) FREIGHTWEIGHT TONNES

BIL No	PELABUHAN Ports		2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	
9	RAJANG	EKSPORT <i>Export</i>	3,191	3,506	3,225	1,649	613	453	374	298	185	278	
		IMPORT <i>Import</i>	1,546	1,680	1,825	1,614	1,513	1,325	1,150	1,109	1,000	1,047	
		PINDAH KAPAL <i>Trans-shipment</i>	-	-	-	-	-	-	-	-	-	-	-
		JUMLAH <i>Total</i>	4,737	5,186	5,050	3,263	2,126	1,778	1,524	1,407	1,185	1,325	
10	SABAH	EKSPORT <i>Export</i>	14,095	14,963	14,595	13,852	13,931	14,308	15,101	21,692	23,424	23,557	
		IMPORT <i>Import</i>	10,675	13,427	13,340	13,851	13,487	14,064	12,744	11,850	12,083	12,892	
		PINDAH KAPAL <i>Trans-shipment</i>	-	-	-	-	-	-	-	-	-	-	-
		JUMLAH <i>Total</i>	24,770	28,391	27,936	27,703	27,418	28,372	27,844	33,542	35,507	36,449	
11	PORT DICKSON	EKSPORT <i>Export</i>	3,072	2,372	2,114	2,613	2,928	2,470	2,331	2,064	4,155	3,372	
		IMPORT <i>Import</i>	10,976	10,285	11,256	11,755	10,179	9,542	11,714	11,711	11,811	19,234	
		PINDAH KAPAL <i>Trans-shipment</i>	-	-	-	-	-	-	-	-	-	-	-
		JUMLAH <i>Total</i>	14,048	12,657	13,370	14,368	13,107	12,013	14,045	13,774	15,966	22,607	
12	KEMAMAN	EKSPORT <i>Export</i>	1,834	1,944	2,062	3,432	2,506	2,655	3,524	3,694	3,335	2,636	
		IMPORT <i>Import</i>	1,889	2,364	1,936	3,249	1,853	2,208	2,956	2,129	2,181	2,474	
		PINDAH KAPAL <i>Trans-shipment</i>	-	-	-	-	-	-	-	-	-	-	-
		JUMLAH <i>Total</i>	3,723	4,308	3,998	6,681	4,359	4,864	6,480	5,824	5,516	5,111	

SUMBER: SEMUA PELABUHAN DAN JABATAN LAUT

Source: All Ports and Marine Department

JADUAL 3.1: JUMLAH KARGO YANG DIKENDALIKAN MENGIKUT PELABUHAN, MALAYSIA, 2009-2018 (SAMB.)

Table 3.1: Total Cargo Throughput by Ports, Malaysia, 2009-2018 (Cont'd)

(‘000) FREIGHTWEIGHT TONNES

BIL No	PELABUHAN Ports		2009	2010	2011	2012	2014	2013	2015	2016	2017	2018	
13	TELUK EWA	EKSPORT Export	3,381	3,223	3,057	3,237	3,473	3,059	2,794	2,927	2,338	2,277	
		IMPORT Import	637	729	788	696	706	717	596	516	535	451	
		PINDAH KAPAL Trans-shipment	-	-	-	-	-	-	-	-	-	-	-
		JUMLAH Total	4,019	3,952	3,845	3,933	4,180	3,776	3,391	3,443	2,873	2,727	
14	TANJUNG PELEPAS	EKSPORT Export	3,322	3,587	4,727	5,187	5,178	5,393	5,484	5,547	5,813	6,231	
		IMPORT Import	1,312	1,224	1,259	1,412	1,584	1,823	1,988	2,134	2,203	2,342	
		PINDAH KAPAL Trans-shipment	90,521	95,154	109,474	112,392	115,905	126,825	130,994	121,661	122,506	131,234	
		JUMLAH Total	95,155	99,965	115,459	118,991	122,667	134,040	138,466	129,342	130,522	139,807	
JUMLAH BESAR Grand Total	EKSPORT Export	182,907	197,316	197,238	202,835	210,495	235,831	232,022	228,783	228,459	222,937		
	IMPORT Import	168,996	187,904	188,596	189,686	202,011	201,641	213,117	191,722	191,810	214,285		
	PINDAH KAPAL Trans-shipment	93,141	97,087	111,125	114,371	118,268	128,889	133,052	123,596	124,441	133,479		
	JUMLAH Total	445,044	482,308	496,959	506,892	530,774	566,361	578,192	544,101	544,711	570,701		

SUMBER: SEMUA PELABUHAN DAN JABATAN LAUT

Source: All Ports and Marine Department

JADUAL 3.2: JUMLAH KARGO YANG DIKENDALIKAN MENGIKUT PELABUHAN DAN JENIS, MALAYSIA, 2018

Table 3.2: Total Cargo Throughput by Ports and Type, Malaysia, 2018

(‘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	9,258	1,544	4,760	2,321	5,475	2,721	26,079	194,621	220,700
PULAU PINANG	740	3,698	571	3,867	626	873	10,376	24,033	34,409
JOHOR	3,333	746	8,269	5,806	746	152	19,052	11,960	31,012
KUANTAN	8,915	526	2,659	1,194	1,873	31	15,197	2,801	17,998
BINTULU	1,600	2,057	5,217	28,229	213	1,030	38,346	5,708	44,054
TANJUNG BRUAS	182	-	37	-	494	-	713	-	713
KUCHING	581	-	558	495	624	1,118	3,377	5,631	9,008
MIRI	337	-	2,050	662	456	1,277	4,781	-	4,781
RAJANG	4	-	4	23	28	33	92	1,233	1,325
SABAH	-	-	-	-	-	-	36,449	-	36,449
PORT DICKSON	29	-	7,613	2,832	12,132	-	22,607	-	22,607
KEMAMAN	2,146	54	2,422	277	210	2	5,111	-	5,111
TELOK EWA	2,277	371	-	80	-	-	2,727	-	2,727
TANJUNG PELEPAS	-	-	-	-	-	-	-	139,807	139,807
JUMLAH Total	29,402	8,996	34,160	45,786	22,876	7,238	184,907	385,794	570,701

SUMBER: SEMUA PELABUHAN DAN JABATAN LAUT

Source: All Ports and Marine Department

JADUAL 3.3: BARANGAN YANG DIISI MENGIKUT PELABUHAN DAN JENIS, MALAYSIA, 2018

Table 3.3: Commodities Loaded by Ports And Types, Malaysia, 2018

('000) FREIGHTWEIGHT TONNES

PELABUHAN <i>Ports</i>	MINYAK KELAPA SAWIT <i>Palm Oil</i>	BUANGAN ISI SAWIT <i>Palm Kernel Waste</i>	PETROLEUM & MINYAK PEMBAKAR <i>Petroleum & Fuel Oil</i>	GAS ASLI CECAIR <i>Liquefied Natural Gas</i>	GAS PETROLEUM CAIR <i>Liquefied Petroleum Gas</i>	KAYU KAYAN PROSES <i>Processed Timber</i>	KAYU BALAK <i>Logs</i>	BIJIRIN <i>Grains/ Cereals</i>	BESI/ BESI WAJA <i>Iron/ Steel</i>	BAHAN KIMIA/ BAJA <i>Chemical/ Fertilizer</i>	GETAH & SUSU GETAH <i>Rubber & Latex</i>	SIMEN/ KLINKER <i>Cement/ Clinker</i>	BIJIH & GALIAN Ore & Mineral	LAIN- LAIN Others	JUMLAH <i>Total</i>
KELANG	1,702	683	1	-	4	32	57	-	355	583	-	-	-	101,001	104,418
PULAU PINANG	329	-	83	-	-	1,061	1,658	9	418	1,071	3,196	0	-	7,256	15,081
JOHOR	3,430	401	2,146	-	-	-	-	-	-	-	-	-	-	7,024	13,001
KUANTAN	535	145	57	-	-	145	-	-	393	775	-	-	2,563	4,744	9,357
BINTULU	4,089	571	4,385	23,683	18	836	364	-	-	-	-	132	-	2,916	36,994
TANJUNG BRUAS	-	-	-	-	-	-	-	-	26	-	-	-	-	12	38
KUCHING	249	-	0	-	-	205	-	9	103	43	42	0	-	1,015	1,665
MIRI	1,450	-	6	-	-	240	114	-	3	3	0	-	-	2,215	4,032
RAJANG	21	2	7	-	-	131	-	-	12	-	-	-	-	105	278
SABAH	-	-	-	-	-	-	-	-	-	-	-	-	-	23,557	23,557
PORT DICKSON	-	-	3,372	-	-	-	-	-	-	-	-	-	-	-	3,372
KEMAMAN	-	-	221	-	582	-	-	-	194	-	-	-	967	672	2,636
TELOK EWA	-	-	-	-	-	-	-	-	-	-	-	2,277	-	-	2,277
TANJUNG PELEPAS	-	-	-	-	-	-	-	-	-	-	-	-	-	6,231	6,231
JUMLAH Total	11,804	1,802	10,280	23,683	604	2,649	2,192	18	1,504	2,476	3,238	2,409	3,530	156,749	222,937

SUMBER: SEMUA PELABUHAN DAN JABATAN LAUT

Source: All Ports and Marine Department

JADUAL 3.4: BARANGAN YANG DIPUNGGAH MENGIKUT PELABUHAN DAN JENIS, MALAYSIA, 2018
Table 3.4: Commodities Unloaded by Ports And Types, Malaysia, 2018

(’000) FREIGHTWEIGHT TONNES

PELABUHAN <i>Ports</i>	MINYAK KELAPA SAWIT <i>Palm Oil</i>	PETROLEUM & MINYAK PEMBAKAR <i>Petroleum & Fuel Oil</i>	BESI/ BESI WAJA <i>Iron/ Steel</i>	BIJIRIN <i>Grains/ Cereals</i>	GULA <i>Sugar</i>	BAHAN KIMIA/ BAJA <i>Chemical/ Fertilizer</i>	MESIN/ PERALATAN CKD <i>Machinery/ Component CKD</i>	KERTAS <i>Paper Reels</i>	KAIN <i>Textiles</i>	SIMEN/ KLINKER <i>Cement/ Clinker</i>	MAKANAN PROSES <i>Processed Foodstuff</i>	LAIN-LAIN <i>Others</i>	JUMLAH <i>Total</i>
KELANG	1,397	509	2,900	1,775	533	1,298	41	-	-	-	-	107,829	116,282
PULAU PINANG	187	3,252	992	1,434	708	437	1,427	603	156	-	467	8,996	18,658
JOHOR	1,860	6,196	620	878	-	452	-	-	-	1,323	-	6,682	18,011
KUANTAN	62	1,374	152	-	-	1,188	-	-	-	-	-	5,864	8,641
BINTULU	230	1,000	-	-	-	732	-	-	-	422	-	3,101	5,485
TANJUNG BRUAS	-	-	457	-	-	-	-	-	-	-	-	218	675
KUCHING	-	793	449	623	52	405	136	72	49	363	471	3,930	7,343
MIRI	-	42	22	-	4	19	17	5	-	-	-	641	750
RAJANG	-	-	93	11	12	71	123	20	27	-	226	464	1,047
SABAH	-	-	-	-	-	-	-	-	-	-	-	12,892	12,892
PORT DICKSON	-	-	-	-	-	-	-	-	-	-	-	19,234	19,234
KEMAMAN	-	-	3	-	175	-	-	-	-	-	-	2,295	2,474
TELOK EWA	-	-	-	-	-	-	-	-	-	-	-	451	451
TANJUNG PELEPAS	-	-	-	-	-	-	-	-	-	-	-	2,342	2,342
JUMLAH Total	3,736	13,167	5,689	4,721	1,484	4,602	1,744	700	232	2,108	1,164	174,938	214,285

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

JADUAL 3.5: JUMLAH KONTENA YANG DIKENDALIKAN MENGIKUT PELABUHAN, MALAYSIA, 2009-2018

Table 3.5: Total Container Throughput By Ports, Malaysia, 2009-2018

			TEUs									
BIL No	PELABUHAN Ports		2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
1	KELANG	EKSPORT Export	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	2,353,835
		IMPORT Import	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	2,394,845
		PINDAH KAPAL Trans-shipment	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	7,567,323
		JUMLAH Total	7,309,779	8,871,745	9,603,926	10,001,495	10,350,407	10,945,804	11,886,685	13,209,577	11,978,166	12,316,003
2	PULAU PINANG	EKSPORT Export	450,999	532,936	570,500	565,516	593,785	594,255	612,993	681,463	723,632	715,939
		IMPORT Import	444,530	506,841	557,050	538,074	565,894	563,557	603,007	661,323	705,922	705,841
		PINDAH KAPAL Trans-shipment	62,947	66,321	74,629	62,143	78,034	107,900	101,352	94,334	94,274	88,596
		JUMLAH Total	958,476	1,106,098	1,202,179	1,165,733	1,237,713	1,265,712	1,317,352	1,437,120	1,523,828	1,510,376
3	JOHOR	EKSPORT Export	367,368	394,192	344,213	332,905	339,939	350,721	364,705	373,986	411,989	441,032
		IMPORT Import	334,140	371,463	349,632	350,826	380,055	383,407	408,481	428,793	474,096	490,524
		PINDAH KAPAL Trans-shipment	143,348	110,613	136,495	117,327	37,029	58,373	27,338	24,234	14,607	10,033
		JUMLAH Total	844,856	876,268	830,340	801,058	757,023	792,501	800,524	827,013	900,692	941,589
4	KUANTAN	EKSPORT Export	66,567	72,850	67,204	69,356	63,482	67,150	72,319	73,952	76,061	78,696
		IMPORT Import	65,320	69,134	64,943	66,726	62,746	63,902	68,360	67,687	70,978	71,216
		PINDAH KAPAL Trans-shipment	365	96	649	19	320	192	280	-	2	-
		JUMLAH Total	132,252	142,080	132,796	136,101	126,548	131,244	140,959	141,639	147,041	149,912

SUMBER: SEMUA PELABUHAN DAN JABATAN LAUT

Source: All Ports and Marine Department

TEUs: Twenty-Foot Equivalent Units

JADUAL 3.5: JUMLAH KONTENA YANG DIKENDALIKAN MENGIKUT PELABUHAN, MALAYSIA, 2009-2018 (SAMB.)

Table 3.5: Total Container Throughput By Ports, Malaysia, 2009-2018 (Cont'd)

											TEUs	
BIL No	PELABUHAN Ports	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	
5	BINTULU	EKSPORT <i>Export</i>	68,926	74,600	70,707	84,809	89,986	94,434	86,669	99,703	119,215	128,266
		IMPORT <i>Import</i>	66,830	73,127	77,703	88,410	90,505	94,620	84,939	103,086	121,595	137,621
		PINDAH KAPAL <i>Trans-shipment</i>	112,634	103,569	67,041	57,834	69,862	81,441	72,091	74,322	68,339	82,778
		JUMLAH <i>Total</i>	248,390	251,296	215,451	231,053	250,353	270,495	243,699	277,111	309,149	348,665
6	KUCHING	EKSPORT <i>Export</i>	76,753	92,458	104,568	112,500	122,508	110,416	108,653	106,441	108,208	119,343
		IMPORT <i>Import</i>	82,677	94,631	103,441	108,141	108,492	109,222	111,541	113,198	114,277	123,955
		PINDAH KAPAL <i>Trans-shipment</i>	1,661	3,553	6,811	11,185	18,690	8,022	5,134	4,149	3,555	2,257
		JUMLAH <i>Total</i>	161,091	190,642	214,820	231,826	249,690	227,660	225,328	223,788	226,040	245,555
7	MIRI	EKSPORT <i>Export</i>	12,095	14,599	14,234	14,676	15,224	14,519	12,919	14,445	15,167	13,777
		IMPORT <i>Import</i>	13,007	15,174	17,605	16,823	18,723	18,373	16,458	16,266	14,681	15,162
		PINDAH KAPAL <i>Trans-shipment</i>	-	-	-	-	-	-	-	-	-	-
		JUMLAH <i>Total</i>	25,102	29,773	31,839	31,499	33,947	32,892	29,377	30,711	29,848	28,939
8	RAJANG	EKSPORT <i>Export</i>	31,679	39,278	43,861	43,653	34,181	29,830	28,081	23,496	18,044	25,655
		IMPORT <i>Import</i>	34,531	41,055	44,839	45,878	46,896	46,258	42,375	39,282	37,321	39,678
		PINDAH KAPAL <i>Trans-shipment</i>	-	-	-	-	-	-	-	-	-	-
		JUMLAH <i>Total</i>	66,210	80,333	88,700	89,531	81,077	76,088	70,456	62,778	55,365	65,333

SUMBER: SEMUA PELABUHAN DAN JABATAN LAUT

Source: All Ports and Marine Department

TEUs: Twenty-Foot Equivalent Units

JADUAL 3.5: JUMLAH KONTENA YANG DIKENDALIKAN MENGIKUT PELABUHAN, MALAYSIA, 2009-2018 (SAMB.)

Table 3.5: Total Container Throughput By Ports, Malaysia, 2009-2018 (Cont'd)

											TEUs	
BIL No	PELABUHAN Ports		2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
9	SABAH	EKSPORT <i>Export</i>	139,857	155,614	164,408	183,623	180,504	191,623	181,175	177,016	175,458	192,295
		IMPORT <i>Import</i>	136,063	156,961	168,511	183,656	183,984	193,362	180,100	179,055	177,361	178,478
		PINDAH KAPAL <i>Trans-shipment</i>	1,985	14,251	23,276	7,345	8,554	13,815	1,910	1,315	336	3,392
		JUMLAH Total	277,905	326,826	356,195	374,624	373,042	398,800	363,185	357,386	353,155	374,165
10	TANJUNG PELEPAS	EKSPORT <i>Export</i>	190,953	208,210	285,093	308,625	310,572	322,792	325,775	326,569	336,086	368,322
		IMPORT <i>Import</i>	105,655	102,457	131,904	139,333	132,231	143,886	147,848	157,233	178,595	190,134
		PINDAH KAPAL <i>Trans-shipment</i>	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	8,402,409
		JUMLAH Total	5,835,085	6,298,733	7,302,460	7,493,805	7,416,518	8,232,113	8,798,747	8,280,710	8,260,609	8,960,865
JUMLAH BESAR Grand Total	EKSPORT <i>Export</i>	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	4,437,160	
	IMPORT <i>Import</i>	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	4,347,454	
	PINDAH KAPAL <i>Trans-shipment</i>	10,177,099	11,723,065	13,283,240	13,608,334	13,768,504	15,075,777	16,463,899	17,102,577	15,569,400	16,156,788	
	JUMLAH Total	15,859,146	18,173,794	19,978,706	20,556,725	20,876,318	22,373,309	23,876,312	24,847,833	23,783,893	24,941,402	

SUMBER: SEMUA PELABUHAN DAN JABATAN LAUT

Source: All Ports and Marine Department

JADUAL 3.6: JUMLAH KAPAL YANG BERLABUH MENGIKUT PELABUHAN, MALAYSIA, 2009-2018

Table 3.6: Total Number of Ships Calling by Ports, Malaysia, 2009-2018

PELABUHAN Ports		2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
KELANG	BIL / No	16,116	17,910	18,117	17,721	16,703	15,298	16,541	16,323	15,322	14,547
	GRT (' 000)	236,891	363,322	392,947	384,436	407,918	409,806	441,580	464,732	420,897	435,237
PULAU PINANG	BIL / No	5,559	6,136	6,327	7,796	6,309	6,137	6,226	7,008	6,610	6,449
	GRT (' 000)	42,411	60,978	62,034	66,941	63,992	59,389	64,526	68,936	82,140	73,890
JOHOR	BIL / No	5,121	4,882	4,899	4,252	4,133	3,964	3,984	4,044	3,951	3,850
	GRT (' 000)	41,348	38,177	36,864	30,286	29,614	25,894	28,096	30,672	31,781	38,920
KUANTAN	BIL / No	2,447	2,405	2,440	2,470	2,406	2,342	2,347	1,820	1,924	1,865
	GRT (' 000)	18,049	19,274	21,694	22,469	23,153	24,803	35,374	20,225	22,616	22,716
BINTULU	BIL / No	7,514	7,601	7,606	7,581	8,239	8,478	7,329	7,457	7,717	7,744
	GRT (' 000)	58,668	61,563	64,052	63,987	67,534	68,593	67,009	68,770	69,528	67,188
TANJUNG BRUAS	"BIL / No	115	104	104	91	117	352	305	236	528	180
	GRT (' 000)	406	383	405	384	471	3,786	4,433	649	5,143	1,461
KUCHING	BIL / No	1,899	2,111	1,982	1,933	2,054	1,897	2,012	1,759	1,542	1,517
	GRT (' 000)	8,444	9,716	10,132	10,337	10,624	10,784	11,079	10,797	10,410	10,657
MIRI	BIL / No	1,637	1,645	1,692	1,779	1,702	1,508	1,039	872	1,477	3,648
	GRT (' 000)	8,387	7,720	7,156	6,134	7,545	6,745	6,041	6,148	5,424	5,627
RAJANG	BIL / No	1,690	1,821	1,680	1,378	1,034	908	702	667	589	574
	GRT (' 000)	6,918	6,990	6,360	3,611	1,998	1,416	1,022	998	894	885
SABAH	BIL / No	13,227	13,125	12,754	14,641	13,228	14,178	13,769	11,242	9,914	9,224
	GRT (' 000)	33,840	33,336	36,467	37,997	40,811	46,468	42,146	45,492	47,450	46,230
PORT DICKSON	BIL / No	1,028	892	869	963	854	880	897	724	741	669
	GRT (' 000)	11,560	11,203	10,938	11,685	12,062	11,521	19,229	17,337	11,903	11,474
KEMAMAN	BIL / No	391	553	423	605	554	495	639	633	629	541
	GRT (' 000)	3,757	4,240	4,187	5,723	4,002	4,401	5,711	5,567	5,282	4,970
TELUK EWA	BIL / No	633	595	589	510	527	472	376	332	336	317
	GRT (' 000)	3,028	2,653	2,711	2,635	3,078	2,760	2,553	2,625	2,276	2,138
TANJUNG PELEPAS	BIL / No	3,776	4,162	5,125	5,041	4,793	4,759	4,696	4,470	4,404	4,629
	GRT (' 000)	30,208	33,296	41,000	40,328	38,344	38,072	37,568	35,760	35,232	37,032
JUMLAH Total	BIL / No	61,153	63,942	64,607	66,761	62,653	61,668	60,862	57,587	55,684	55,754
	GRT (' 000)	503,915	652,852	696,948	686,953	711,145	714,437	766,368	778,708	750,978	758,426

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, 2018

Table 3.7: Type of Ships Calling by Ports, Malaysia, 2018

PELABUHAN Ports	PERENTAS SAMUDERA Foreign Going						JUMLAH Total	PERSISIRAN Coastal						JUMLAH BESAR Grand Total	
	KONTENA Container		KARGO AM General Cargo	TANKER CECAIR Liquid Tankers	PUKAL KERING Dry Bulk	LAIN- LAIN Others		KONTENA Container		KARGO AM General Cargo	TANKER CECAIR Liquid Tankers	PUKAL KERING Dry Bulk	LAIN- LAIN Others		JUMLAH Total
	INDUK Main Line	FEEDER Feeder						INDUK Main Line	FEEDER Feeder						
KELANG	-	9,416	1,144	1,228	409	595	12,791	-	932	287	79	27	432	1,756	14,547
PULAU PINANG	751	633	542	782	201	2,258	5,167	-	-	39	168	1	1,074	1,282	6,449
JOHOR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3,850
KUANTAN	28	353	213	582	316	23	1,515	1	11	297	22	19	-	350	1,865
BINTULU	167	333	233	1,177	220	341	2,471	-	470	450	93	108	4,152	5,273	7,744
TANJUNG BRUAS	-	-	75	23	16	35	149	-	-	7	17	7	-	31	180
KUCHING	-	220	112	143	42	138	655	-	321	260	101	5	175	862	1,517
MIRI	-	-	127	42	48	-	217	-	37	3,377	17	-	-	3,431	3,648
RAJANG	-	-	1	-	-	-	1	454	-	107	12	-	-	573	574
SABAH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9,224
PORT DICKSON	-	-	55	409	14	-	478	-	-	-	191	-	-	191	669
KEMAMAN	-	-	25	392	114	-	531	-	-	1	6	3	-	10	541
TELOK EWA	-	-	-	5	72	74	151	-	-	-	58	81	27	166	317
TANJUNG PELEPAS	1,832	2,630	-	-	-	-	4,462	9	158	-	-	-	-	167	4,629
JUMLAH Total	2,778	13,585	2,527	4,783	1,452	3,464	28,588	464	1,929	4,825	764	251	5,860	14,092	55,754

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, 2014-2018
 Table 3.8: Number of Ships Registered in Malaysia by Type (New Classification) and Weight, Malaysia, 2014-2018

JENIS KAPAL Type of Ship	2014			2015			2016			2017			2018		
	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 Oil Tanker	2	4	2	7	32	14	25	37	17	20	28	12	10	17	8
KAPAL LNG, LPG LNG, LPG Carrier	1	4	6	1	3	1	2	267	80	1	134	40	1	134	40
TANGKI KIMIA/PETROLEUM Chemical/ Petroleum Tanker	-	-	-	1	27	14	1	5	2	-	-	-	-	-	-
KAPAL PUKAL, BIJIH, KAYU BALAK Bulk, Grain, Ore, Log Carrier	-	-	-	1	16	10	5	209	128	3	95	59	1	47	28
KARGO AM, SEPARA KONTENA General Cargo, Semi Container	1	20	11	5	3	1	14	13	6	4	3	1	3	3	2
KAPAL PENUMPANG, AM/ PENUMPANG Passenger, General/ Passenger Ship	3	2	1	9	2	1	14	4	1	10	6	2	10	4	2
RO-RO	-	-	-	1	25	7	-	-	-	-	-	-	1	44	13
KONTENA PENUH Full Container	-	-	-	1	17	7	5	87	45	2	24	10	4	47	22
OFFSHORE SUPPORT VESSEL	5	11	3	11	18	6	22	42	13	19	34	10	18	33	10
TONGKANG Barge	10	30	11	14	45	14	33	78	25	53	62	20	49	80	25
LAIN-LAIN Others	38	99	30	75	70	21	142	195	75	118	71	22	97	122	50
JUMLAH Total	60	170	63	126	257	95	263	937	393	230	456	176	194	531	200

SUMBER: JABATAN LAUT MALAYSIA
 Source: Marine Department Malaysia

JADUAL 3.9: JUMLAH KESELURUHAN KAPAL-KAPAL YANG DIDAFTARKAN DI MALAYSIA MENGIKUT JENIS (PENGLASAN BARU) DAN BERAT, MALAYSIA, 2014-2018

Table 3.9: Total of Ships Registered in Malaysia by Type (New Classification) and Weight, Malaysia, 2014-2018

JENIS KAPAL Type of Ship	2014			2015			2016			2017			2018		
	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>	201	2,013	1,155	209	2,075	1,185	250	2,137	1,220	260	1,987	1,138	261	1,827	1,044
KAPAL LNG, LPG <i>LNG, LPG Carrier</i>	40	2,371	719	38	2,211	671	40	2,594	785	41	2,728	825	39	2,762	835
TANGKI KIMIA/PETROLEUM <i>Chemical/ Petroleum Tanker</i>	49	453	181	47	391	159	46	369	149	42	358	144	41	357	144
KAPAL PUKAL, BJIH, KAYU BALAK <i>Bulk, Grain, Ore, Log Carrier</i>	13	164	95	13	206	127	15	377	233	17	469	291	18	517	318
KARGO AM, SEPARA KONTENA <i>General Cargo, Semi Container</i>	575	578	312	489	575	310	491	565	303	478	533	286	472	519	277
KAPAL PENUMPANG, AM/ PENUMPANG <i>Passenger, General/ Passenger Ship</i>	428	57	21	360	61	22	352	72	27	352	77	29	357	79	30
RO-RO	10	157	48	12	229	70	11	190	58	10	165	51	10	162	49
KONTENA PENUH <i>Full Container</i>	27	182	90	27	195	94	32	288	140	25	220	106	25	234	112
OFFSHORE SUPPORT VESSEL	263	273	84	276	316	98	290	328	102	299	356	110	309	380	117
TONGKANG <i>Barge</i>	1,417	1,399	489	1,431	1,493	517	1,489	1,585	542	1,493	1,580	541	1,518	1,619	553
LAIN-LAIN <i>Others</i>	2,116	2,691	1,046	2,232	2,906	1,139	2,461	3,434	1,321	2,465	3,511	1,340	2,508	3,522	1,345
JUMLAH Total	5,139	10,338	4,240	5,134	10,658	4,392	5,477	11,939	4,880	5,482	11,984	4,859	5,558	11,978	4,824

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), 2014-2018

Table 3.10 : Total Number of Licenses Issued by Type of Cargo and Registration by Domestic Shipping Licensing Board (DSL), 2014-2018

JENIS KARGO <i>Type of Cargo</i>	2014		2015		2016		2017		2018	
	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>
KARGO KERING <i>Dry Bulk</i>	870	81	844	354	843	434	182	4	188	5
KELAPA SAWIT <i>Palm Oil</i>	33	47	36	42	35	71	33	45	27	9
PETROLEUM / DIESEL <i>Petroleum / Diesel</i>	194	732	223	646	218	821	207	696	217	691
PENUMPANG <i>Passenger</i>	140	34	129	35	138	33	143	32	149	28
KONTENA <i>Container</i>	36	50	38	39	36	36	41	19	36	15
KIMIA <i>Chemical</i>	15	105	8	173	10	131	0	0	13	90
KHIDMAT TUNDA <i>Towing Services</i>	597	468	669	583	681	602	680	555	750	350
PERALATAN KERJA CARI GALI <i>Exploration Work Equipment</i>	211	635	183	348	157	129	133	122	135	130
KENDERAAN / RO-RO <i>Vehicle / Ro-ro</i>	13	2	14	0	12	0	12	2	9	3
BAHAN BINAAN <i>Construction Material</i>	61	202	54	232	50	246	48	287	44	150
KAYU BALAK <i>Log Wood</i>	220	0	188	0	190	0	163	0	142	0
SIMEN KLINKER <i>Clinker Cement</i>	0	37	0	27	0	20	0	23	0	7
LAIN-LAIN <i>Others</i>	230	402	281	461	288	405	969	947	1,018	659
JUMLAH <i>Total</i>	2,620	2,795	2,667	2,940	2,658	2,928	2,611	2,732	2,728	2,137

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

JADUAL 3.11: JUMLAH LESEN PERKAPALAN YANG DIKELUARKAN MENGIKUT JENIS LESEN DAN PENDAFTARAN OLEH LEMBAGA PERLESENAN PERKAPALAN DALAM NEGERI (LPPDN), 2014-2018

Table 3.11: Total Number of Licenses Issued by Type of License and Registration by Domestic Shipping Licensing Board (DSLb), 2014-2018

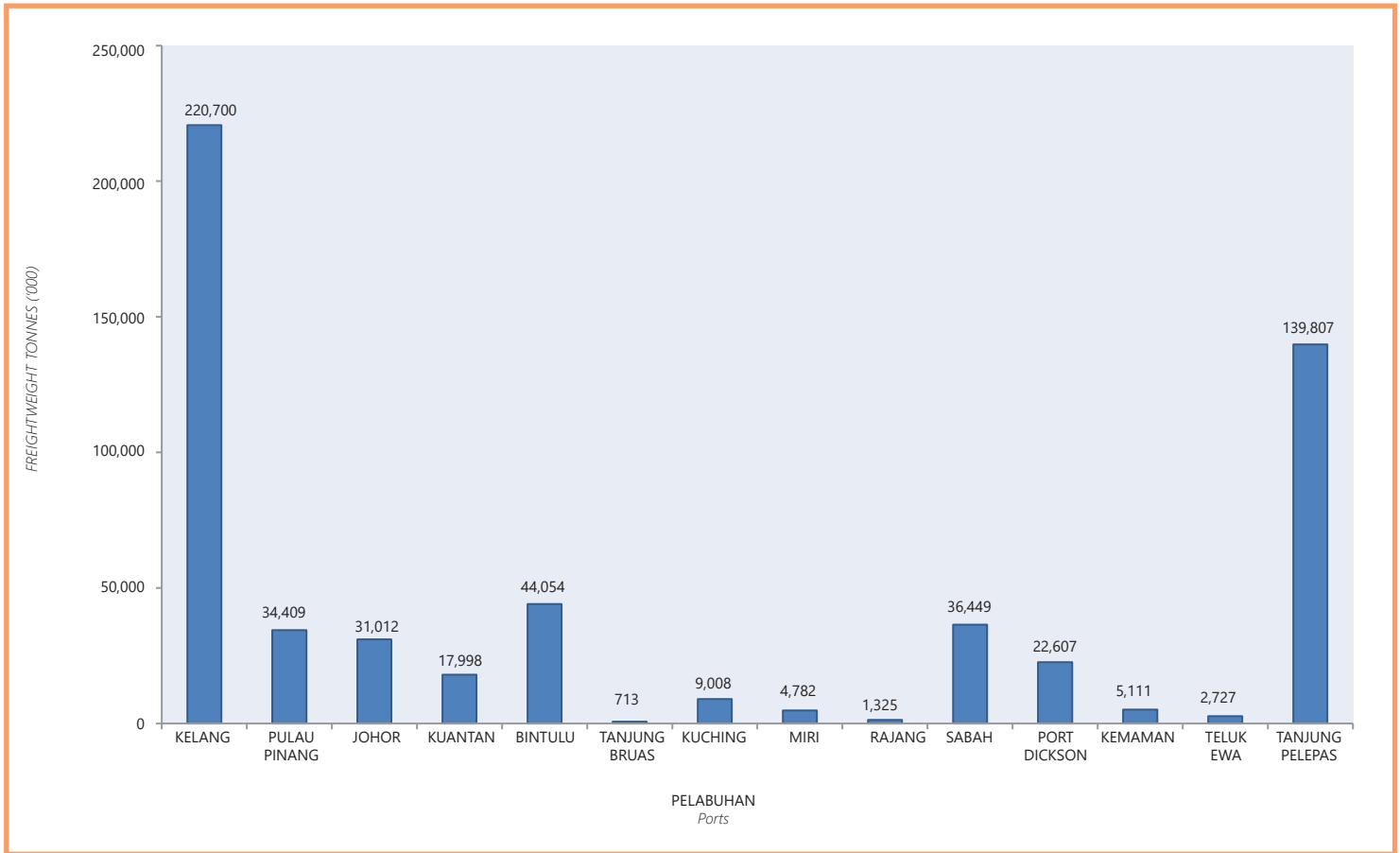
JENIS LESEN <i>Type of Licenses</i>	2014		2015		2016		2017		2018	
	DAFTARAN MALAYSIA <i>Malaysian Registered</i>	DAFTARAN ASING Foreign <i>Registered</i>	DAFTARAN MALAYSIA <i>Malaysian Registered</i>	DAFTARAN ASING Foreign <i>Registered</i>	DAFTARAN MALAYSIA <i>Malaysian Registered</i>	DAFTARAN ASING Foreign <i>Registered</i>	DAFTARAN MALAYSIA <i>Malaysian Registered</i>	DAFTARAN ASING Foreign <i>Registered</i>	DAFTARAN MALAYSIA <i>Malaysian Registered</i>	DAFTARAN ASING Foreign <i>Registered</i>
SEMENTARA <i>Temporary</i>	346	2,795	222	2,940	178	2,928	172	2,732	191	2,137
BERSYARAT <i>Conditional</i>	1,835	0	2,210	0	2,219	0	2,198	0	2,290	0
TANPA SYARAT <i>Unconditional</i>	439	0	235	0	261	0	241	0	247	0
JUMLAH <i>Total</i>	2,620	2,795	2,667	2,940	2,658	2,928	2,611	2,732	2,728	2,137

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

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

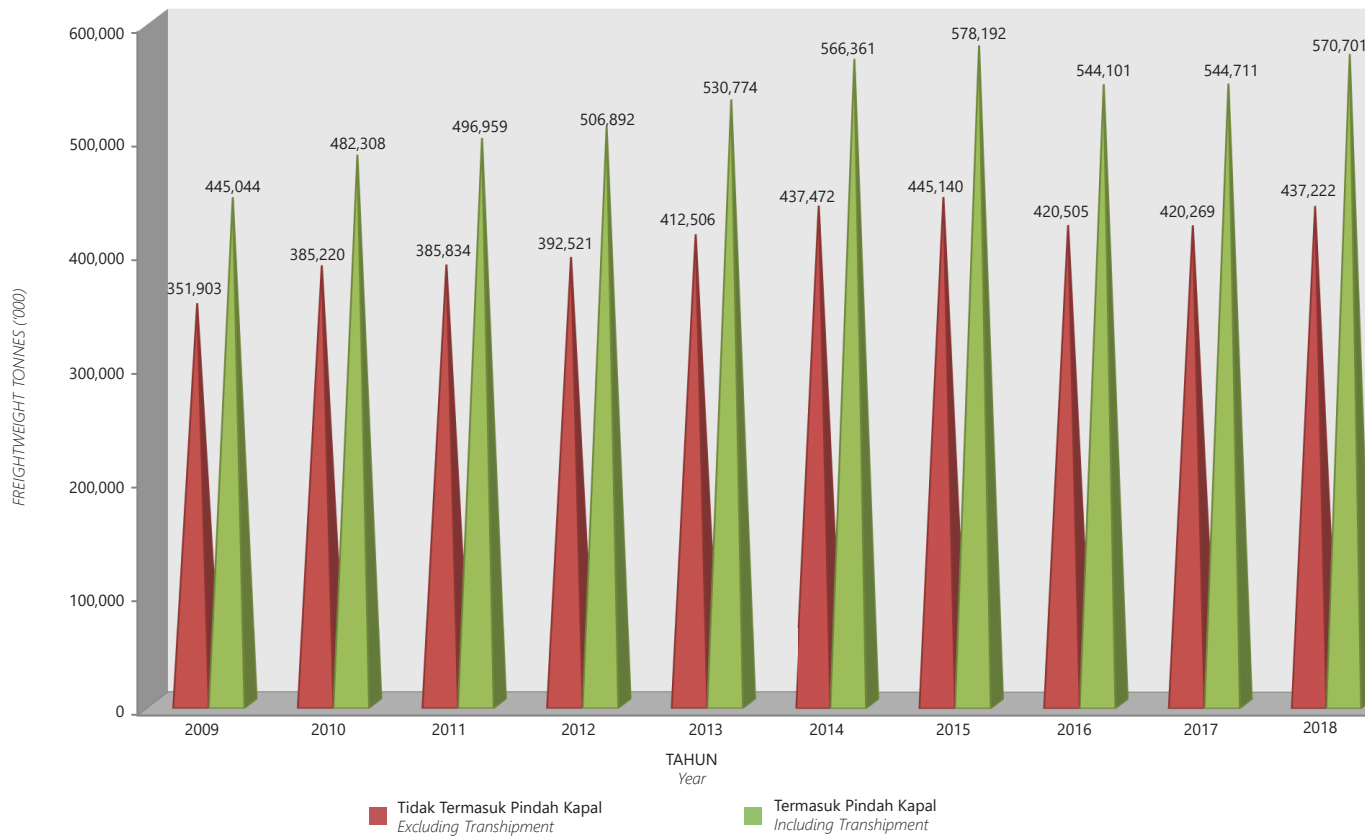
CARTA 3.1: JUMLAH KARGO YANG DIKENDALIKAN MENGIKUT PELABUHAN, MALAYSIA, 2018

Chart 3.1: Total Cargo Throughput by Ports, Malaysia, 2018

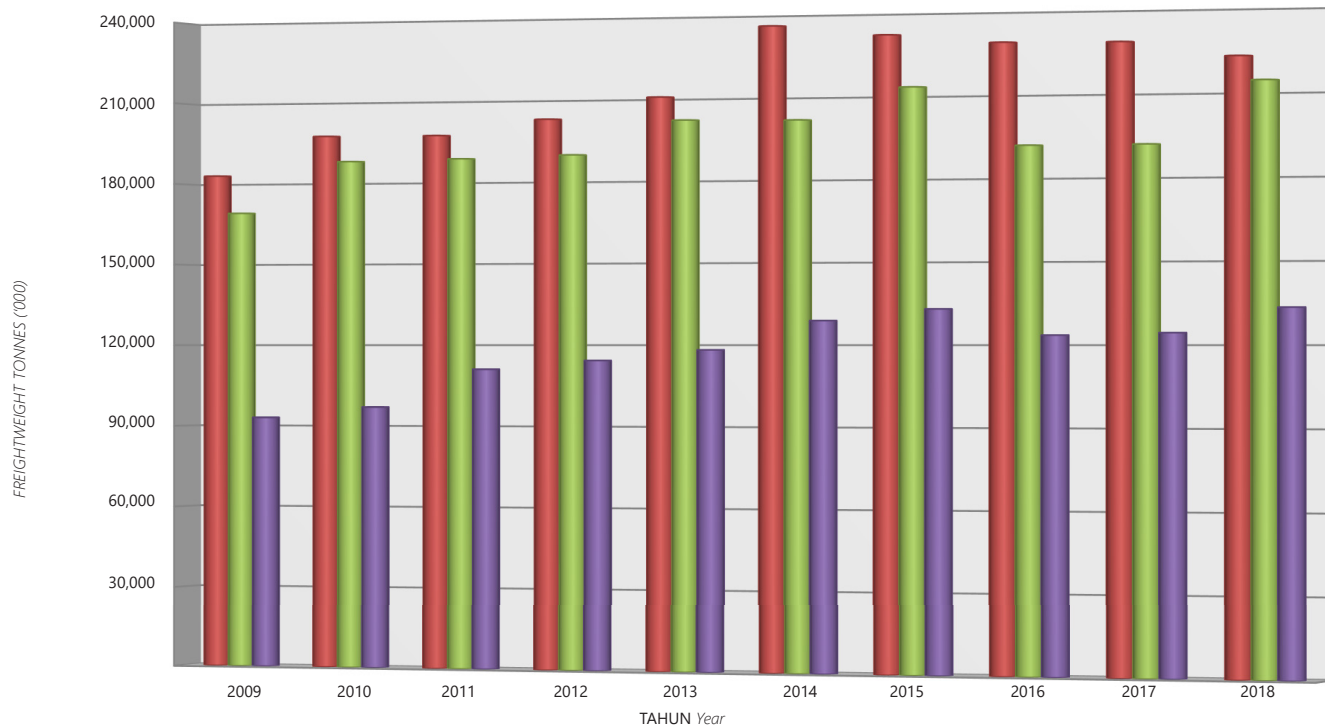


CARTA 3.2: JUMLAH KARGO YANG DIKENDALIKAN DI PELABUHAN, MALAYSIA , 2009-2018

Chart 3.2: Total Cargo Throughput at Ports, Malaysia, 2009-2018



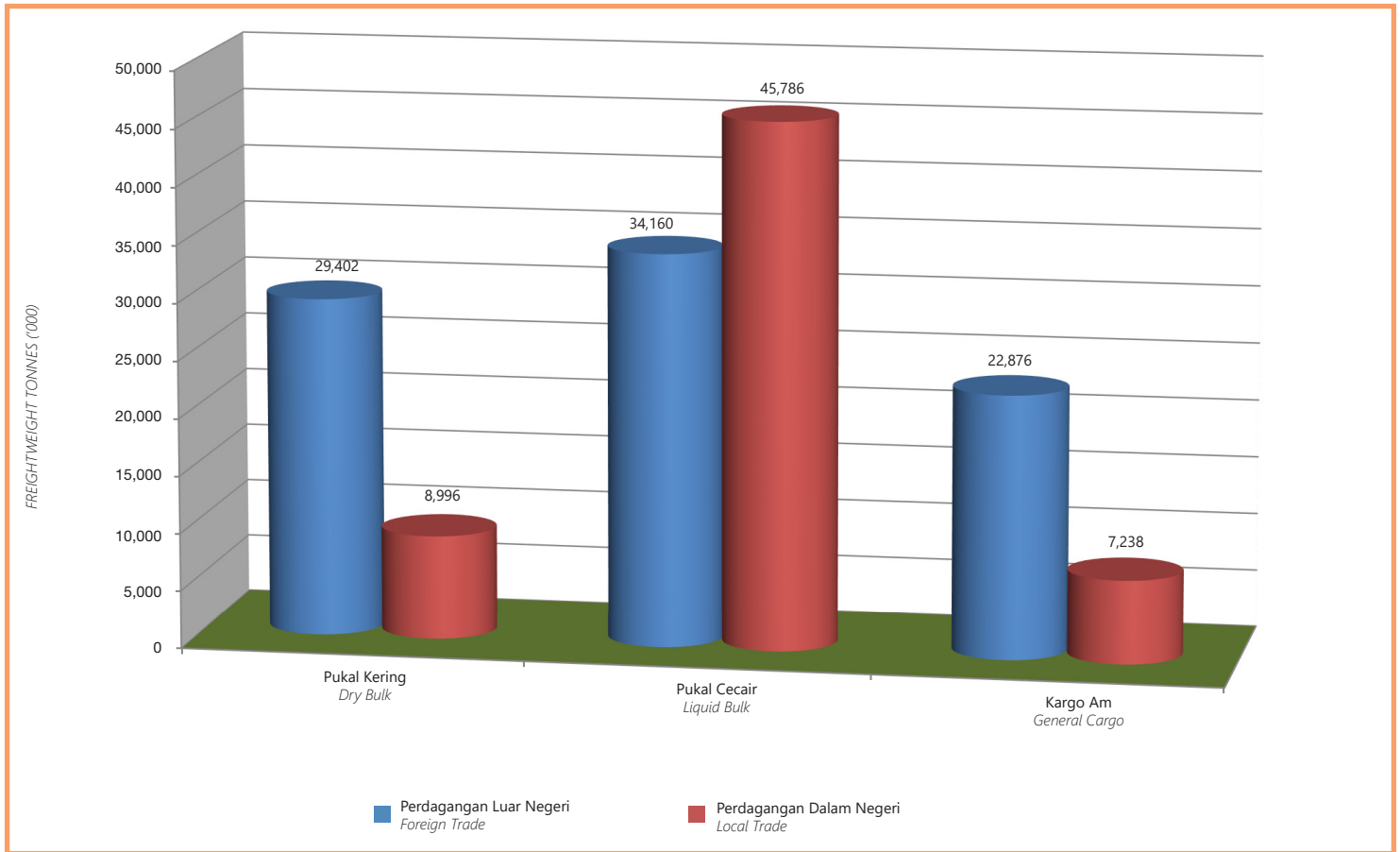
CARTA 3.3: JUMLAH KARGO DIKENDALIKAN MENGIKUT EKSPORT, IMPORT DAN PINDAH KAPAL DI PELABUHAN, MALAYSIA, 2009-2018
 Chart 3.3: Total Cargo Throughput by Export, Import and Transhipment at Ports, Malaysia, 2009-2018



	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
■ Eksport <i>Export</i>	182,907	197,316	197,238	202,835	210,495	235,831	232,022	228,783	228,459	222,937
■ Import <i>Import</i>	168,996	187,904	188,596	189,686	202,011	201,641	213,117	191,722	191,810	214,285
■ Pindah Kapal <i>Transhipment</i>	93,141	97,078	111,125	114,371	118,268	128,889	133,052	123,596	124,441	133,479

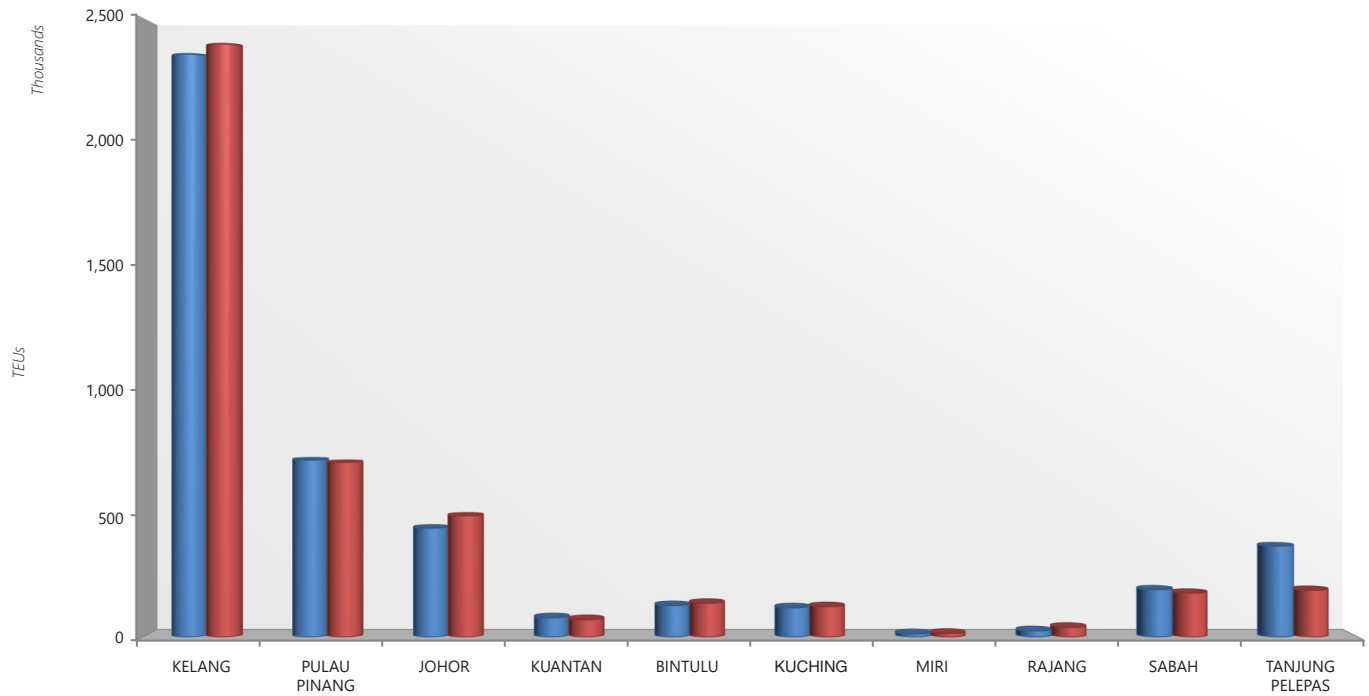
CARTA 3.4: KENDALIAN KARGO UNTUK PERDAGANGAN DALAM NEGERI DAN LUAR NEGERI, 2018

Chart 3.4: Cargo Handling for Local and Foreign Trade, 2018



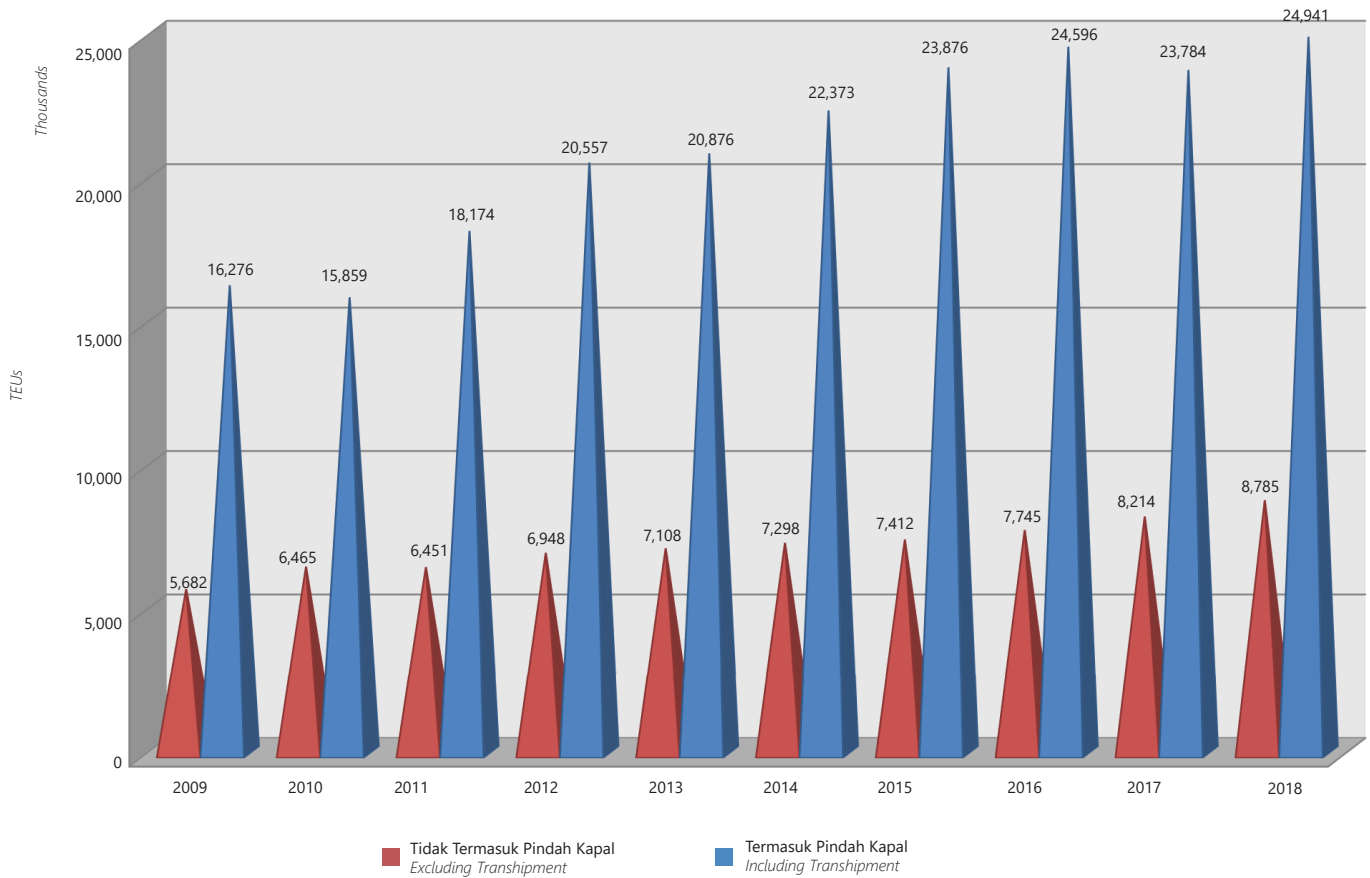
CARTA 3.5: PENGENDALIAN EKSPORT DAN IMPORT KONTENA MENGIKUT PELABUHAN, MALAYSIA, 2018

Chart 3.5: Handling of Export and Import Container by Ports, Malaysia, 2018



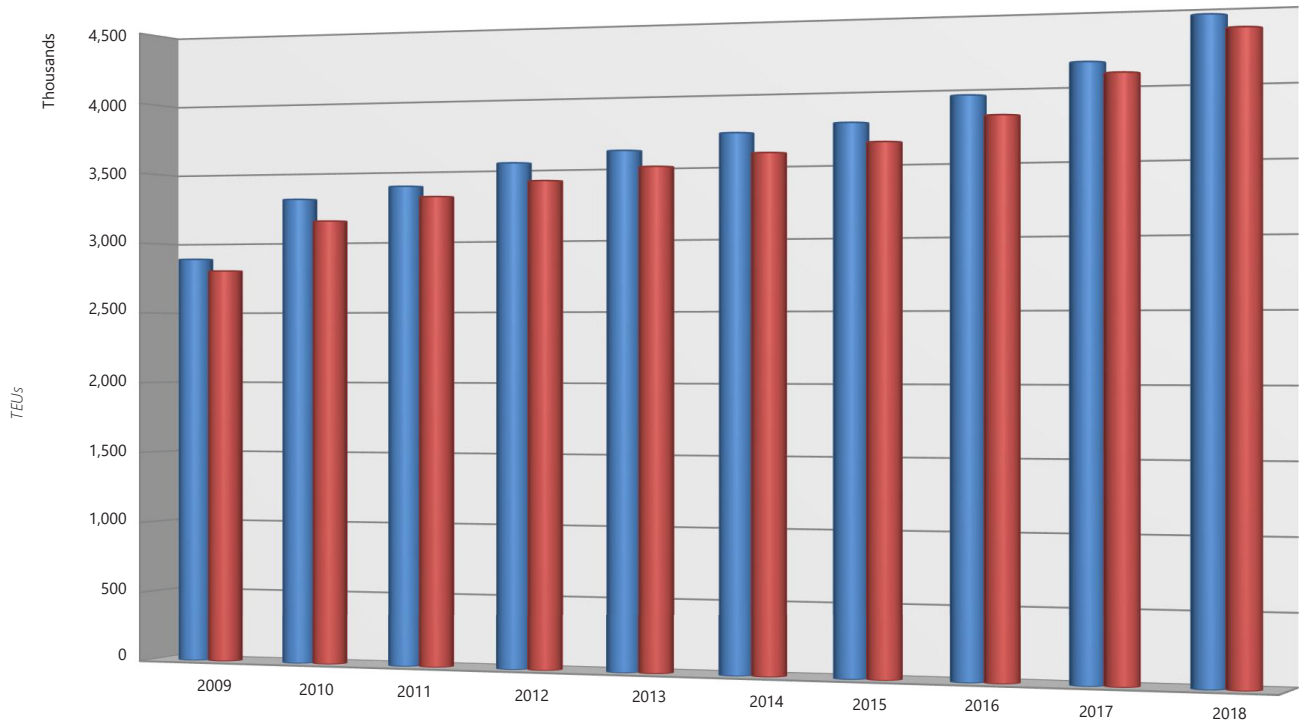
	KELANG	PULAU PINANG	JOHOR	KUANTAN	BINTULU	KUCHING	MIRI	RAJANG	SABAH	TANJUNG PELEPAS
Eksport <i>Export</i>	2,353,835	715,939	441,032	78,696	128,266	119,343	13,777	25,655	192,295	268,322
Import <i>Import</i>	2,394,845	705,841	490,524	71,621	137,621	123,955	15,162	39,678	178,478	190,134

CARTA 3.6: JUMLAH KONTENA YANG DIKENDALIKAN DI PELABUHAN, MALAYSIA, 2009-2018
Chart 3.6: Total Container Throughput At Ports, Malaysia, 2009-2018



CARTA 3.7: PENGENDALIAN KONTENA EKSPORT DAN IMPORT MENGIKUT TAHUN, MALAYSIA, 2009-2018

Chart 3.7: Handling of Export and Import Container Year, Malaysia, 2009-2018



	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Ekspert <i>Export</i>	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	4,437,160
Import <i>Import</i>	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	4,347,454



**PENGANGKUTAN
UDARA**
Air Transport

JADUAL 4.1: KEMUDAHAN LAPANGAN TERBANG ANTARABANGSA, MALAYSIA, 2018

Table 4.1: International Airport Facilities, Malaysia, 2018

LAPANGAN TERBANG <i>Airport</i>	KATEGORI PERKHIDMATAN BOMBA & PENYELAMAT <i>Airport Fire & Rescue Services Category (AFRS)</i>	PANJANG/ LEBAR LANDASAN <i>Runaway 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 & Air Navigational Aids</i>
KLIA	CAT IX	4019 X 75 4000 X 75 3960 X 60	PCN 100 F/C/W/T	24 hours	AIRBUS (A380)	2 X ILS/DME.VOR/DME,2NDB,2LCTR
KLIA2	CAT IX	4019 X 75 4000 X 75 3960 X 60	PCN 100 F/C/W/T	24 hours	A380 & AN225	2 X ILS/DME.VOR/DME,2NDB,2LCTR
JOHOR	CAT VIII	3800 x 45	PCN 70/F/X/T	2200 UTC-1600 UTC	Code F AN124	SMC,TWR,APP,CATIS & ILS/LOC/GP/DME/NDB/DVOR
PULAU PINANG	CAT IX	3354 X 45	PCN 93/F/A/W/T	24 hours	B747-800(RESTRICT-ED)	"ILS/LLZ,L/NDB,GP/DME DVOR/DME"
LANGKAWI	CAT VIII	3813 X 45	PCN 77/F/C/W/T	24 hours	B747	ILS/LLZ,DVOR,GP/DME,NDB
KUCHING	CAT IX	3780 X 46	PCN 100F/C/W/T	24 hours	B747	"ILS/LLZ,L/NDB,GP/DME DVOR/DME"
KOTA KINABALU	CAT IX	3780 X 46	PCN 82/F/C/X/T	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, 2018

Table 4.2: Domestic Airport Facilities, Malaysia, 2018

LAPANGAN TERBANG <i>Airport</i>	KATEGORI PERKHIDMATAN BOMBA & PENYELAMAT <i>Airport Fire & Rescue Services Category (AFRS)</i>	PANJANG/LEBAR LANDASAN <i>Runway 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 & Air Navigational Aids</i>
ALOR SETAR	CAT VI	2745 X 45	PCN 96/F/C/X/T	0630-2230	Designed for A330 but no A330 schedule flight, biggest aircraft is A320 only	ILS/LLZ,GP/DME,DVOR/DME,NDB
KOTA BHARU	CAT VII	2400 X 45	PCN 51/F/A/W/T	0600-2330	B737-800	NDB,DVOR/DME,ILS/LLZ,GP/DME
KUANTAN	CAT VII	2743 X 45	LCN 48	0630-2030	Designed for A330 but no A330 schedule flight, biggest aircraft is B734 only	ILS/LLZ,GP/DME,L,NDB,DVOR /DME
KERTEH	CAT V	1347 x 30	PCN27/F/A/Y/T	2245utc-1100utc	ATR72	SMC,APP,ATIS & ILS,LOC,GP/DME,DVOR
IPOH	CAT V	1798 X 36	PCN 77/F/C/W/T	0700 - 2100	Designed for B737 but no B737 schedule flight, biggest aircraft is ATR-72 only	L,ILS/LLZ,GP/DME,VOR/DME, VOR
MELAKA	CAT V	2135 X 45	PCN47/F/D/X/T	0700 - 1900	Designed for A320 but no A320 schedule flight, biggest aircraft is ATR-72 only	NDB , DVOR/DME,L
KUALA TERENGGANU	Category IX during Hajj flights operations with B747 aircraft, and Category VI during A320 scheduled flights	3480 X 45	PCN 75 F/B/X/T	0700 - 2200	Designed for B747 but no B747 schedule flight except during Hajj. Biggest aircraft is A320.	ILS/LLZ,GP/DME,L,DVOR/DME
SUBANG	CAT VII	3780 x 45	PCN 87/F/B/W/T	24 hours	Designed for B747 but largest scheduled aircraft is ATR-72	ILS/LLZ,GP/DME,L,NDB,DVOR/DME
PULAU TIOMAN	n.a.	992 X 30	Tarmac	0900-1700	DASH 7	n.a.
BINTULU	CAT VI	2745 X 45	PCN 100/F/A/W/T	0600 - 2200	Designed for A330 but no A330 schedule flight, biggest aircraft is A320 only	ILS/LLZ,GP/DME,NDB,DVOR/DME
MIRI	CAT VI	2745 X 60	PCN 79/F/C/X/T	0500 - 2330	Designed for A330 but no A330 schedule flight, biggest aircraft is A320 only	ILS/LLZ,GP/DME,NDB ,DVOR/DME
SIBU	CAT VI	274 X 45	PCN 61 F / C / X / T	0600 - 2200	Designed for A330 but no A330 schedule flight, biggest aircraft is A320 only	ILS/DME,VOR/DME,NDB
LAHAD DATU	CAT V	1378 X 30	PCN 17	0600 - 1800	ATR-72	LCTR
LABUAN	CAT VII	2745 X 45	PCN 79/F/C/X/T	0600 - 2200	Designed for A330 but no A330 schedule flight, biggest aircraft is A320 only	LLZ,DVOR/DME ,NDB
SANDAKAN	CAT VI	2133 X 45	PCN55/F/B/W/T NEW	0700-2200	A320	ILS/LLZ,GP/DME,NDB,DVOR/DME
TAWAU	CAT VI	2685 X 47	PCN 69/F / C / W / T	0700 - 2200	A320	ILS/LLZ,GP/DME,NDB ,DVOR/DME
LIMBANG	CAT V	1500 X 30	PCN15/F/C/W/T	0900-1700	ATR 72	DVOR /DME
MULU	CAT V	1500 X 30	PCN 19 F/C/X/T	0900-1700	ATR 72	NDB

SUMBER Source: MALAYSIA AIRPORTS HOLDINGS BERHAD (MAHB)

JADUAL 4.3: KEMUDAHAN PADANG TERBANG, MALAYSIA, 2018

Table 4.3: Airstrips Facilities, Malaysia, 2018

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>
SEMENANJUNG MALAYSIA <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	792 X 30	"Semi Grout PCN 12/F/C/Y/T"	0900-1700	DASH 7	n.a
PULAU TIOMAN	992 X 30	Tarmac	0900-1700	DASH 7	ILS/LLZ,GP/DME,L,DVOR/DME
PULAU REDANG	940 X 30	PCN 14/F/C/Y/T	0900-1700	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
SARAWAK					
BARIO	670 X 18	Bitumin	sunrise to s/set	DHC-6 (Twin Otter)	n.a
LAWAS	686 X 18	Bitumen sealed AUW 6,123 kgs	sunrise to s/set	DHC-6 (Twin Otter)	n.a
BELAGA	427 X 18	n.a	No commercial flight	DHC-6 (Twin Otter)	n.a
KAPIT	427 X 18	n.a	No commercial flight	DHC-6 (Twin Otter)	n.a
BAKELALAN	549 X 23	Bitumin	sunrise to s/set	DHC-6 (Twin Otter)	n.a
LONG LELLANG	780 X 24	Bitumin	sunrise to s/set	DHC-6 (Twin Otter)	n.a
LONG SEMANDO	487 X 18	crushed stone	No commercial flight	DHC-6 (Twin Otter)	n.a
LONG SERIDAN	548 X 21	Bitumin	sunrise to s/set	DHC-6 (Twin Otter)	n.a
LONG BANGA	550 X 18	Bitumin	sunrise to s/set	DHC-6 (Twin Otter)	n.a
MUKAH	1097 X 23	Bitumen sealed AUW 6,123 kgs	sunrise to s/set	DHC-6 (Twin Otter)	n.a
MARUDI	800 X 24	Asphalt AUW 6123kg	sunrise to s/set	DHC-6 (Twin Otter)	n.a
LONG AKAH	680 X 18	Bitumin	sunrise to s/set	DHC-6 (Twin Otter)	n.a

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

JADUAL 4.3: KEMUDAHAN PADANG TERBANG, MALAYSIA, 2018 (SAMB.)

Table 4.3: Airstrips Facilities, Malaysia, 2018 (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>
SABAH					
KUDAT	730 X 18	Asphalt AUW 6123kg	sunrise to sunset	DHC-6 Twin Otter	n.a
PAMOL	n.a	n.a	n.a	n.a	n.a
SEMPORNA	609 X 24	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	610 X 23	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 (MOROTAI)	n.a	n.a	n.a	n.a	n.a
KUALA KAHABA	n.a	n.a	n.a	n.a	n.a
KUALA MEDAMIT	n.a	n.a	n.a	n.a	n.a
MARAK-MARAK	n.a	n.a	n.a	n.a	n.a
MERIDI	n.a	n.a	n.a	n.a	n.a
NANGO	n.a	n.a	n.a	n.a	n.a
PARAMUDU	n.a	n.a	n.a	n.a	n.a
ULU TOMAN	n.a	n.a	n.a	n.a	n.a
WALLACE BAY	n.a	n.a	n.a	n.a	n.a

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



JADUAL 4.4: JUMLAH PENUMPANG YANG DIKENDALIKAN MENGIKUT LAPANGAN TERBANG (TIDAK TERMASUK PENUMPANG TRANSIT), MALAYSIA, 2009-2018

Table 4.4: Total Passengers Handled by Airports (Excluding Transit Passengers), Malaysia, 2009-2018

LAPANGAN TERBANG <i>Airports</i>	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
KLIA	29,398,483	33,718,562	37,313,395	39,513,546	47,143,539	24,545,711	22,298,140	25,305,221	28,196,313	28,021,775
KLIA2	-	-	-	-	-	24,026,123	26,319,086	27,119,023	30,267,030	31,866,394
PULAU PINANG	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	7,771,548
KOTA KINABALU	4,765,880	5,115,774	5,772,115	5,844,608	6,929,692	6,785,957	6,568,371	7,263,224	8,006,446	8,622,119
KUCHING	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	5,559,092
LANGKAWI	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	2,735,262
JOHOR BHARU	1,314,646	1,235,355	1,337,562	1,376,383	1,990,106	2,325,816	2,581,966	2,828,074	3,124,799	3,522,519
KOTA BHARU	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	1,688,625
IPOH	21,937	48,508	71,169	73,354	74,320	98,768	222,606	269,696	274,146	315,673
KUALA TERENGGANU	523,619	520,611	502,966	550,831	699,310	842,651	857,239	900,218	943,660	894,737
ALOR SETAR	421,314	400,997	407,717	433,644	535,073	660,264	719,029	787,706	802,304	817,253
MELAKA	18,576	21,687	21,261	34,352	21,637	14,178	69,710	58,703	62,076	52,493
SUBANG	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	1,964,059
KUANTAN	226,912	220,878	248,846	280,074	317,440	314,130	292,109	247,757	241,314	258,816
TIOMAN	49,057	54,056	60,141	60,141	56,054	9,217	-	-	-	-
PANGKOR	7,617	2,588	547	4,068	5,791	205	-	-	-	-
REDANG	28,246	48,610	46,159	35,922	35,982	11,087	-	-	-	51
LABUAN	446,848	479,481	522,320	575,646	669,137	715,052	641,846	570,948	553,772	557,802
LAHAD DATU	98,558	113,442	131,054	142,733	145,930	161,230	143,654	140,077	127,651	124,803
SANDAKAN	662,820	706,455	756,144	814,999	889,250	877,475	837,768	863,701	878,204	940,139
TAWAU	866,601	897,848	922,452	982,108	1,202,344	1,218,311	1,203,792	1,271,915	1,374,881	1,642,171
BINTULU	460,217	506,000	567,519	637,158	750,994	795,118	779,413	779,086	826,501	909,057
MIRI	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	2,343,468
SIBU	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	1,570,591
MULU	49,255	63,122	63,477	49,619	49,432	52,175	51,387	60,074	62,656	57,505
LIMBANG	45,512	48,312	56,211	57,852	61,074	63,870	58,300	55,437	49,461	45,475
STOL SABAH		607	4,198	4,350	3,798	3,585	4,007	5,216	4,542	3,951
STOL SARAWAK	144,323	160,230	166,168	153,590	143,678	148,136	150,340	155,109	151,949	147,676
SEMANANJUNG <i>Peninsular</i>	38,514,029	43,953,955	48,529,464	51,419,333	61,755,289	65,669,708	67,070,797	71,729,978	78,736,335	79,909,205
SABAH	6,840,707	7,313,607	8,108,283	8,364,444	9,840,151	9,761,610	9,399,438	10,115,081	10,945,496	11,890,985
SARAWAK	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	10,632,864
JUMLAH Total	52,116,263	58,364,449	64,700,754	68,030,976	81,016,328	85,088,005	85,948,179	91,456,534	99,523,790	102,433,054

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

JADUAL 4.5: JUMLAH PENUMPANG YANG DIKENDALIKAN MENGIKUT LAPANGAN TERBANG, MALAYSIA, 2018
Table 4.5: Total Passengers Handled by Airports, Malaysia, 2018

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	2018	2017
KLIA	2,631,139	2,619,889	5,251,028	11,280,003	11,490,744	22,770,747	13,911,142	14,110,633	28,021,775	116	99,789	99,905	28,121,680	28,287,402	-0.6%
KLIA2	5,609,005	5,521,253	11,130,258	10,227,140	10,508,996	20,736,136	15,836,145	16,030,249	31,866,394	-	335	335	31,866,729	30,267,225	5.3%
PULAU PINANG	2,083,067	2,096,464	4,179,531	1,785,955	1,806,062	3,592,017	3,869,022	3,902,526	7,771,548	3,584	15,291	18,875	7,790,423	7,232,097	7.7%
KOTA KINABALU	2,876,041	2,869,704	5,745,745	1,431,132	1,445,242	2,876,374	4,307,173	4,314,946	8,622,119	369	-	369	8,622,488	8,006,446	7.7%
KUCHING	2,499,953	2,498,572	4,998,525	277,530	283,037	560,567	2,777,483	2,781,609	5,559,092	2,797	2,833	5,630	5,564,722	5,095,193	9.2%
LANGKAWI	1,172,690	1,193,577	2,366,267	184,152	184,843	368,995	1,356,842	1,378,420	2,735,262	129	312	441	2,735,703	2,767,707	-1.2%
JOHOR BHARU	1,437,556	1,426,979	2,864,535	354,294	303,690	657,984	1,791,850	1,730,669	3,522,519	-	-	-	3,522,519	3,124,799	12.7%
KOTA BHARU	832,507	855,064	1,687,571	413	641	1,054	832,920	855,705	1,688,625	-	-	-	1,688,625	1,988,212	-15.1%
IPOH	29,015	28,803	57,818	126,151	131,704	257,855	155,166	160,507	315,673	-	-	-	315,673	274,146	15.1%
KUALA TERENGGANU	441,316	453,421	894,737	-	-	-	441,316	453,421	894,737	-	-	-	894,737	943,660	-5.2%
ALOR SETAR	403,329	413,924	817,253	-	-	-	403,329	413,924	817,253	-	-	-	817,253	802,304	1.9%
MELAKA	11,886	11,990	23,876	15,219	13,398	28,617	27,105	25,388	52,493	-	-	-	52,493	62,076	-15.4%
SUBANG	880,238	860,051	1,740,289	109,941	113,829	223,770	990,179	973,880	1,964,059	-	-	-	1,964,059	2,880,586	-31.8%
KUANTAN	105,865	105,999	211,864	22,875	24,077	46,952	128,740	130,076	258,816	-	-	-	258,816	241,314	7.3%
TIOMAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PANGKOR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
REDANG	23	28	-	-	-	-	23	28	51	-	-	-	51	-	-
LABUAN	282,025	275,777	557,802	-	-	-	282,025	275,777	557,802	16,144	161	16,305	574,107	577,459	-0.6%
LAHAD DATU	61,054	63,749	124,803	-	-	-	61,054	63,749	124,803	-	-	-	124,803	127,651	-2.2%
SANDAKAN	465,564	474,113	939,677	235	227	462	465,799	474,340	940,139	10,722	-	10,722	950,861	896,347	6.1%
TAWAU	808,808	819,041	1,627,849	6,416	7,906	14,322	815,224	826,947	1,642,171	-	-	-	1,642,171	1,374,893	19.4%
BINTULU	447,684	446,627	894,311	6,992	7,754	14,746	454,676	454,381	909,057	13,898	78	13,976	923,033	849,596	8.6%
MIRI	1,118,606	1,128,658	2,247,264	47,035	49,169	96,204	1,165,641	1,177,827	2,343,468	7,232	-	7,232	2,350,700	2,188,048	7.4%
SIBU	782,774	787,817	1,570,591	-	-	-	782,774	787,817	1,570,591	8,365	572	8,937	1,579,528	1,497,412	5.5%
MULLU	29,366	28,139	57,505	-	-	-	29,366	28,139	57,505	69	-	69	57,574	62,656	-8.1%
LIMBANG	22,342	23,133	45,475	-	-	-	22,342	23,133	45,475	-	-	-	45,475	49,461	-8.1%
STOL SABAH	1,931	2,020	3,951	-	-	-	1,931	2,020	3,951	1,116	-	1,116	5,067	6,190	-18.1%
STOL SARAWAK	72,075	75,601	147,676	-	-	-	72,075	75,601	147,676	7,361	-	7,361	155,037	158,741	-2.3%
SEMANANJUNG Peninsular	15,637,636	15,587,442	31,225,027	24,106,143	24,577,984	48,684,127	39,743,779	40,165,426	79,909,205	3,829	115,727	119,556	80,028,761	78,871,528	1.5%
SABAH	4,495,423	4,504,404	8,999,827	1,437,783	1,453,375	2,891,158	5,933,206	5,957,779	11,890,985	28,351	161	28,512	11,919,497	10,988,986	8.5%
SARAWAK	4,972,800	4,988,547	9,961,347	331,557	339,960	671,517	5,304,357	5,328,507	10,632,864	39,722	3,483	43,205	10,676,069	9,901,107	7.8%
JUMLAH Total	25,105,859	25,080,393	50,186,201	25,875,483	26,371,319	52,246,802	50,981,342	51,451,712	102,433,054	71,902	119,371	191,273	102,624,327	99,761,621	2.9%

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, 2009-2018

Table 4.6: Total Cargo Handled by Airports (Excluding Cargo in Transit), Malaysia, 2009-2018

METRIC TONNES

LAPANGAN TERBANG <i>Airports</i>	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
KLIA	584,559	674,902	669,849	673,107	680,983	657,306	624,768	523,346	563,054	555,704
KLIA2	-	-	-	-	-	96,593	101,462	119,212	147,132	158,965
PULAU PINANG	131,130	138,576	121,804	113,605	111,852	118,812	112,748	113,180	119,272	130,127
KOTA KINABALU	21,060	21,145	27,806	23,382	21,816	23,533	24,701	28,762	27,372	28,039
KUCHING	20,616	26,835	24,574	15,724	21,890	27,939	28,993	22,038	24,080	26,615
LANGKAWI	572	434	646	696	598	567	647	588	759	832
JOHOR BHARU	5,158	6,242	5,439	3,149	3,444	4,934	5,272	6,244	7,614	9,691
KOTA BHARU	185	177	164	147	179	397	1,003	780	775	1,073
IPOH	-	-	-	34	403	296	318	178	105	142
KUALA TERENGGANU	24	50	103	147	103	148	329	253	247	363
ALOR SETAR	34	34	46	123	126	230	389	390	489	845
MELAKA	127	144	139	195	-	-	-	-	-	-
SUBANG	18,536	19,988	19,928	22,680	26,443	28,128	31,357	36,147	36,568	32,284
KUANTAN	70	49	38	57	86	46	21	15	25	13
TIOMAN	-	-	-	73	30	15	-	-	-	-
PANGKOR	-	-	-	5	21	-	-	-	-	-
REDANG	-	-	-	27	27	17	-	-	-	-
LABUAN	3,783	4,128	4,835	5,812	8,067	9,543	7,539	4,002	4,580	3,823
LAHAD DATU	-	-	42	185	200	179	158	129	101	97
SANDAKAN	2,099	2,806	2,295	2,470	2,891	2,495	3,143	2,384	2,207	2,150
TAWAU	1,951	3,045	3,198	2,489	2,844	3,265	3,910	3,570	3,884	4,060
BINTULU	1,903	1,703	2,071	2,571	2,528	2,306	2,378	2,646	2,845	3,565
MIRI	3,921	6,770	8,198	9,879	9,799	8,029	7,292	7,270	4,872	5,054
SIBU	856	1,133	1,147	1,596	1,407	1,433	1,300	1,044	1,284	1,438
MULU	346	396	370	322	354	319	232	391	315	299
LIMBANG	530	560	498	744	742	596	565	466	196	198
STOL SABAH	-	-	-	-	-	-	-	-	-	-
STOL SARAWAK	400	454	549	511	396	289	518	397	415	425
SEMANANJUNG <i>Peninsular</i>	740,394	840,597	818,155	814,047	824,294	907,490	878,313	800,333	876,040	890,039
SABAH	28,893	31,124	38,175	34,338	35,819	39,015	39,451	38,848	38,145	38,169
SARAWAK	28,572	37,850	37,407	31,347	37,116	40,911	41,278	34,253	34,007	37,593
JUMLAH <i>Total</i>	797,858	909,571	893,737	879,732	897,228	987,415	959,042	873,434	948,192	965,801

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



JADUAL 4.7 : JUMLAH KARGO YANG DIKENDALIKAN MENGIKUT LAPANGAN TERBANG, MALAYSIA, 2018
Table 4.7 : Total Cargo Handled by Airports, Malaysia, 2018

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	2018	2017	% +/-
KLIA	22,490	43,405	65,895	263,973	225,836	489,809	286,464	269,241	555,704	-	-	-	555,704	563,054	-1.3%
KLIA2	13,296	20,300	33,596	66,731	58,638	125,369	80,027	78,938	158,965	-	-	-	158,965	147,132	8.0%
PULAU PINANG	4,648	4,699	9,347	60,405	60,375	120,780	65,053	65,074	130,127	2,513	13,009	15,522	145,649	134,187	8.5%
KOTA KINABALU	15,249	9,948	25,197	1,417	1,424	2,842	16,666	11,373	28,039	-	-	-	28,039	27,372	2.4%
KUCHING	15,926	8,892	24,819	398	1,398	1,796	16,324	10,291	26,615	127	76	203	26,819	24,620	8.9%
LANGKAWI	659	163	822	9	1	10	669	163	832	-	-	-	832	759	9.6%
JOHOR BHARU	3,207	2,691	5,898	2,031	1,761	3,792	5,238	4,452	9,690	-	-	-	9,690	7,614	27.3%
KOTA BHARU	643	430	1,073	-	-	-	643	430	1,073	-	-	-	1,073	775	38.4%
IPOH	-	-	-	64	78	142	64	78	142	-	-	-	142	105	35.1%
KUALA TERENGGANU	253	110	363	-	-	-	253	110	363	-	-	-	363	247	47.1%
ALOR SETAR	260	585	845	-	-	-	260	585	845	-	-	-	845	489	72.7%
MELAKA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SUBANG	3,631	4,944	8,575	12,280	11,428	23,709	15,912	16,372	32,284	-	-	-	32,284	36,568	-11.7%
KUANTAN	10	-	10	2	1	4	12	1	13	-	-	-	13	25	-46.6%
TIOMAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PANGKOR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
REDANG	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LABUAN	3,094	580	3,674	-	149	149	3,094	729	3,823	149	24	173	3,996	5,071	-21.2%
LAHAD DATU	57	40	97	-	-	-	57	40	97	-	-	-	97	101	-4.0%
SANDAKAN	611	1,539	2,150	-	-	-	611	1,539	2,150	2	-	2	2,152	2,211	-2.7%
TAWAU	1,261	2,799	4,060	-	-	-	1,261	2,799	4,060	-	-	-	4,060	3,884	4.5%
BINTULU	2,343	1,222	3,565	-	-	-	2,343	1,222	3,565	1	-	1	3,566	2,849	25.1%
MIRI	3,388	1,631	5,019	35	-	35	3,423	1,631	5,054	-	-	-	5,054	4,872	3.6%
SIBU	1,064	374	1,438	-	-	-	1,064	374	1,438	4	-	4	1,443	1,285	12.2%
MULU	293	5	299	-	-	-	293	5	299	-	-	-	299	315	-5.3%
LIMBANG	162	35	198	-	-	-	162	35	198	-	-	-	198	196	0.8%
STOL SABAH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STOL SARAWAK	193	231	425	-	-	-	193	231	425	88	-	88	513	497	3.1%
SEMENANJUNG Peninsular	49,098	77,325	126,423	405,496	358,119	763,614	454,594	435,444	890,038	2,513	13,009	15,522	905,560	890,955	1.6%
SABAH	20,272	14,907	35,179	1,417	1,573	2,990	21,689	16,480	38,169	151	24	175	38,345	38,641	-0.8%
SARAWAK	23,371	12,392	35,762	432	1,398	1,831	23,803	13,790	37,593	220	76	296	37,881	34,635	9.4%
JUMLAH Total	92,741	104,624	197,364	407,345	361,090	768,436	500,086	465,714	965,800	2,885	13,109	15,994	981,785	964,230	1.8%

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

JADUAL 4.8: JUMLAH MEL YANG DIKENDALIKAN MENGIKUT LAPANGAN TERBANG (TIDAK TERMASUK MEL TRANSIT), MALAYSIA, 2009-2018

Table 4.8: Total Mail Handled by Airports (Excluding Mel in Transit), Malaysia, 2009-2018

METRIC TONNES

LAPANGAN TERBANG <i>Airports</i>	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
KLIA	17,061	19,394	25,463	29,119	32,271	33,942	35,268	31,091	29,101	26,416
KLIA2	-	-	-	-	-	-	-	1	3	12
PULAU PINANG	7	4	12	1	3	7	5	32	3	2
KOTA KINABALU	1,601	1,486	1,681	2,246	1,751	1,386	1,455	1,525	1,431	959
KUCHING	794	642	479	496	727	715	542	322	320	81
LANGKAWI	73	90	131	222	254	279	286	174	114	17
KOTA BHARU	322	322	330	214	244	281	179	1	12	-
IPOH	-	-	-	-	-	-	1	155	-	-
KUALA TERENGGANU	5	12	16	48	38	36	39	-	2	-
ALOR SETAR	55	47	58	185	224	344	430	412	244	1
MELAKA	-	-	-	-	-	-	-	-	-	-
SUBANG	-	-	-	-	7	-	5	-	-	-
KUANTAN	-	2	-	-	-	-	-	-	-	-
TIOMAN	-	-	-	1	-	-	-	-	-	-
PANGKOR	-	-	-	-	-	-	-	-	-	-
LABUAN	360	378	412	476	507	519	426	426	422	148
LAHAD DATU	212	207	213	275	165	3	-	-	-	3
SANDAKAN	254	476	459	418	287	36	71	52	38	84
TAWAU	242	439	457	497	471	197	267	264	245	158
BINTULU	382	264	218	41	53	57	54	16	348	102
MIRI	2,171	1,564	1,608	1,903	2,124	2,824	2,657	95	163	50
SIBU	849	287	371	226	611	604	472	713	309	110
MULU	-	-	-	-	-	-	-	-	-	1
LIMBANG	46	28	25	38	37	42	44	46	53	20
STOL SABAH	-	-	-	-	-	-	-	-	-	-
STOL SARAWAK	7	13	15	7	13	36	32	2	-	-
SEMANANJUNG <i>Peninsular</i>	17,523	19,870	26,010	29,790	33,040	34,890	36,212	31,864	29,479	26,448
SABAH	2,669	2,987	3,222	3,911	3,181	2,141	2,220	2,267	2,136	1,351
SARAWAK	4,248	2,798	2,716	2,711	3,565	4,277	3,802	1,194	1,193	363
JUMLAH Total	24,440	25,655	31,948	36,412	39,786	41,308	42,234	35,325	32,808	28,162

SUMBER Source: MALAYSIA AIRPORTS HOLDINGS BERHAD (MAHB)



JADUAL 4.9: JUMLAH MEL YANG DIKENDALIKAN MENGIKUT LAPANGAN TERBANG, MALAYSIA, 2018
Table 4.9: Total Mail Handled by Airports, Malaysia, 2018

METRIC TONNES

LAPANGAN TERBANG <i>Airports</i>	DALAM NEGERI <i>Domestic</i>			ANTARABANGSA <i>International</i>			JUMLAH <i>Total</i>			DALAM NEGERI <i>Domestic</i>	ANTARABANGSA <i>International</i>	JUMLAH <i>Total</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>				2018	2017	% +/-
KLIA	453	68	521	12,278	13,617	25,895	12,731	13,686	26,416	-	158	158	26,574	29,196	-9.0%
KLIA2	-	-	-	0	12	12	0	12	12	-	-	-	12	3	344.4%
PULAU PINANG	0	1	1	0	0	1	1	1	2	18	-	18	20	58	-65.2%
KOTA KINABALU	60	595	655	296	8	304	355	603	959	-	-	-	959	1,431	-33.0%
KUCHING	9	71	81	-	0	0	9	71	81	-	-	-	81	320	-74.7%
LANGKAWI	0	17	17	0	-	0	0	17	17	-	-	-	17	114	-84.9%
KOTA BHARU	0	0	0	-	-	-	0	0	0	-	-	-	0	12	-99.1%
IPOH	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-
KUALA TERENGGANU	0	-	0	-	-	-	0	-	0	-	-	-	0	2	-100.0%
ALOR SETAR	0	1	1	-	-	-	0	1	1	-	-	-	1	244	-99.7%
MELAKA	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-
SUBANG	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KUANTAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TIOMAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PANGKOR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LABUAN	74	73	148	-	-	-	74	73	148	0	-	0	148	424	-65.1%
LAHAD DATU	0	3	3	-	-	-	0	3	3	-	-	-	3	0	2241.4%
SANDAKAN	74	10	84	-	-	-	74	10	84	-	-	-	84	38	117.4%
TAWAU	154	4	158	-	-	-	154	4	158	-	-	-	158	245	-35.7%
BINTULU	15	87	102	-	-	-	15	87	102	-	-	-	102	348	-70.7%
MIRI	43	7	50	-	-	-	43	7	50	-	-	-	50	163	-69.5%
SIBU	96	13	110	-	-	-	96	13	110	0	-	0	110	309	-64.6%
MULU	1	0	1	-	-	-	1	0	1	-	-	-	1	-	-
LIMBANG	0	20	20	-	-	-	0	20	20	-	-	-	20	53	-62.8%
STOL SABAH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STOL SARAWAK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SEMENANJUNG <i>Peninsular</i>	454	86	540	12,278	13,630	25,908	12,732	13,716	26,449	18	158	176	26,625	29,629	-10.1%
SABAH	362	685	1,047	296	8	304	658	693	1,351	0	-	0	1,351	2,139	-36.8%
SARAWAK	164	198	363	-	0	0	164	198	363	0	-	0	363	1,193	-69.6%
JUMLAH <i>Total</i>	981	969	1,950	12,574	13,638	26,212	13,555	14,607	28,162	19	158	177	28,338	32,961	-14.0%

SUMBER Source: MALAYSIA AIRPORTS HOLDINGS BERHAD (MAHB)



JADUAL 4.10: JUMLAH PERGERAKAN PESAWAT PERDAGANGAN YANG DIKENDALIKAN MENGIKUT LAPANGAN TERBANG, MALAYSIA, 2009-2018

Table 4.10: Total Commercial Aircraft Movements Handled by Airports, Malaysia, 2009-2018

LAPANGAN TERBANG <i>Airports</i>	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
KLIA	225,251	244,179	268,265	282,290	325,537	176,947	172,668	186,565	202,326	201,106
KLIA2	-	-	-	-	-	162,703	180,602	168,950	183,728	197,646
PULAU PINANG	38,343	44,753	50,610	49,966	56,760	63,396	64,527	64,428	69,157	73,462
KOTA KINABALU	52,677	55,089	59,638	58,366	67,601	68,776	66,945	69,292	71,922	77,516
KUCHING	41,437	42,940	49,613	43,981	53,095	50,917	50,738	48,562	48,034	54,177
LANGKAWI	12,638	13,274	14,510	15,162	17,675	21,722	22,232	23,797	24,807	23,708
JOHOR BHARU	13,552	11,934	12,626	12,501	37,998	42,976	41,892	42,557	46,497	52,030
KOTA BHARU	13,709	13,180	15,304	17,112	20,527	25,028	28,228	26,666	27,067	22,361
IPOH	384	844	1,536	1,515	1,464	1,960	3,684	3,632	3,632	3,932
KUALA TERENGGANU	6,006	5,959	6,006	6,506	7,365	9,659	10,625	11,049	11,314	10,462
ALOR SETAR	4,578	4,513	4,841	5,274	5,795	8,421	9,472	10,260	10,801	9,544
MELAKA	616	584	466	1,053	580	320	1,536	1,294	1,714	1,480
SUBANG	19,897	24,509	30,779	33,224	41,707	56,629	62,911	61,450	67,351	50,125
KUANTAN	2,947	2,628	3,178	3,395	3,289	3,572	3,906	3,186	2,698	2,818
TIOMAN	1,591	1,662	1,766	1,682	1,538	272	-	-	-	-
PANGKOR	502	174	32	324	258	8	-	-	-	-
REDANG	862	1,356	1,319	877	955	430	-	-	-	6
LABUAN	10,868	11,988	12,645	13,448	15,072	15,533	13,168	10,924	10,134	10,617
LAHAD DATU	2,922	2,860	2,941	3,058	3,321	3,689	3,646	3,455	3,014	2,902
SANDAKAN	10,214	12,095	10,757	12,177	11,536	11,715	11,267	10,820	9,901	10,571
TAWAU	8,885	9,723	9,328	9,689	11,784	12,832	12,401	11,687	11,763	14,353
BINTULU	10,948	10,994	11,270	11,444	12,428	12,246	12,197	11,807	11,526	12,654
MIRI	38,836	39,509	40,931	42,351	44,875	46,504	45,039	42,633	38,392	42,527
SIBU	16,275	17,899	18,211	15,923	17,196	17,878	18,252	17,156	16,588	18,573
MULU	1,570	1,726	1,912	1,760	2,306	2,701	2,381	2,375	2,221	2,318
LIMBANG	1,697	1,947	1,896	1,880	2,075	2,154	2,226	2,647	1,974	2,240
STOL SABAH		167	264	192	231	226	440	608	536	624
STOL SARAWAK	12,140	13,538	14,118	13,534	12,886	15,324	16,455	18,337	17,512	18,232
SEMENANJUNG <i>Peninsular</i>	340,876	369,549	411,238	430,881	521,448	574,043	602,283	603,834	651,092	648,680
SABAH	85,566	91,922	95,573	96,930	109,545	112,771	107,867	106,786	107,270	116,583
SARAWAK	122,903	128,553	137,951	130,873	144,861	147,724	147,288	143,517	136,247	150,721
JUMLAH Total	549,345	590,024	644,762	658,684	775,854	834,538	857,438	854,137	894,609	915,984

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, 2018

Table 4.11: Total Commercial Aircraft Movements Handled by Airports, Malaysia, 2018

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>	2018	2017	% +/-
KLIA	48,351	1,295	49,646	149,633	1,827	151,460	197,984	3,122	201,106	201,106	202,360	-0.6%
KLIA2	71,792	2,357	74,149	122,903	594	123,497	194,695	2,951	197,646	197,646	183,694	7.6%
PULAU PINANG	41,989	-	41,989	31,473	-	31,473	73,462	-	73,462	73,462	69,157	6.2%
KOTA KINABALU	51,919	4,697	56,616	20,900	-	20,900	72,819	4,697	77,516	77,516	71,922	7.8%
KUCHING	46,229	2,735	48,964	5,015	198	5,213	51,244	2,933	54,177	54,177	48,034	12.8%
LANGKAWI	20,624	-	20,624	3,084	-	3,084	23,708	-	23,708	23,708	24,807	-4.4%
JOHOR BHARU	28,350	15,313	43,663	4,342	4,025	8,367	32,692	19,338	52,030	52,030	46,497	11.9%
KOTA BHARU	18,535	3,776	22,311	50	-	50	18,585	3,776	22,361	22,361	27,067	-17.4%
IPOH	1,187	-	1,187	2,745	-	2,745	3,932	-	3,932	3,932	3,632	8.3%
KUALA TERENGGANU	10,462	-	10,462	-	-	-	10,462	-	10,462	10,462	11,314	-7.5%
ALOR SETAR	9,544	-	9,544	-	-	-	9,544	-	9,544	9,544	10,801	-11.6%
MELAKA	716	-	716	764	-	764	1,480	-	1,480	1,480	1,714	-13.7%
SUBANG	43,386	-	43,386	6,739	-	6,739	50,125	-	50,125	50,125	67,351	-25.6%
KUANTAN	1,868	-	1,868	950	-	950	2,818	-	2,818	2,818	2,698	4.4%
TIOMAN	-	-	-	-	-	-	-	-	-	-	-	-
PANGKOR	-	-	-	-	-	-	-	-	-	-	-	-
REDANG	-	6	6	-	-	-	-	6	6	6	-	-
LABUAN	9,038	1,519	10,557	60	-	60	9,098	1,519	10,617	10,617	10,134	4.8%
LAHAD DATU	2,838	64	2,902	-	-	-	2,838	64	2,902	2,902	3,014	-3.7%
SANDAKAN	9,951	609	10,560	5	6	11	9,956	615	10,571	10,571	9,901	6.8%
TAWAU	13,709	325	14,034	314	5	319	14,023	330	14,353	14,353	11,763	22.0%
BINTULU	11,453	996	12,449	201	4	205	11,654	1,000	12,654	12,654	11,526	9.8%
MIRI	34,098	6,960	41,058	1,469	-	1,469	35,567	6,960	42,527	42,527	38,392	10.8%
SIBU	18,567	-	18,567	6	-	6	18,573	-	18,573	18,573	16,588	12.0%
MULU	2,318	-	2,318	-	-	-	2,318	-	2,318	2,318	2,221	4.4%
LIMBANG	1,932	308	2,240	-	-	-	1,932	308	2,240	2,240	1,974	13.5%
STOL SABAH	594	30	624	-	-	-	594	30	624	624	536	16.4%
STOL SARAWAK	16,848	1,384	18,232	-	-	-	16,848	1,384	18,232	18,232	17,512	4.1%
SEMENANJUNG <i>Peninsular</i>	296,804	22,747	319,551	322,683	6,446	329,129	619,487	29,193	648,680	648,680	651,092	-0.4%
SABAH	88,049	7,244	95,293	21,279	11	21,290	109,328	7,255	116,583	116,583	107,270	8.7%
SARAWAK	131,445	12,383	143,828	6,691	202	6,893	138,136	12,585	150,721	150,721	136,247	10.6%
JUMLAH <i>Total</i>	516,298	42,374	558,672	350,653	6,659	357,312	866,951	49,033	915,984	915,984	894,609	2.4%

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

JADUAL 4.12: PERGERAKAN TRAFIK DI ANTARA LAPANGAN-LAPANGAN TERBANG MALAYSIA (TERMASUK SINGAPURA), 2018

Table 4.12: Traffic Movements Between Malaysian Airports (Including Singapore), 2018

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	303,522	312,512	616,034	56,777	478,624	535,401	107	559	666
KUALA LUMPUR	- IPOH	-	-	-	-	-	-	-	-	-
KUALA LUMPUR	- JOHOR BHARU	473,819	501,881	975,700	832,318	337,225	1,169,543	158	0	158
KUALA LUMPUR	- KOTA BHARU	583,276	588,995	1,172,271	286,573	132,802	419,375	66	38	104
KUALA LUMPUR	- KOTA KINABALLU	1,410,356	1,420,024	2,830,380	12,948,376	7,528,351	20,476,727	13,281	296,028	309,309
KUALA LUMPUR	- TERENGGANU	338,162	348,063	686,225	36,775	1,455	38,230	1	0	1
KUALA LUMPUR	- KJANTAN	105,865	106,000	211,865	9,672	14	9,686	0	-	0
KUALA LUMPUR	- KUCHING	1,149,053	1,141,645	2,290,698	13,998,903	5,676,681	19,675,584	5,499	95	5,594
KUALA LUMPUR	- LABUAN	170,523	165,758	336,281	2,847,807	302,144	3,149,951	4,367	37,559	41,926
KUALA LUMPUR	- LANGKAWI	900,790	918,866	1,819,656	621,058	122,554	743,612	778	16,813	17,591
KUALA LUMPUR	- MIRI	414,631	418,258	832,889	2,875,923	400,891	3,276,814	6	1,557	1,563
KUALA LUMPUR	- PULAU PINANG	1,168,206	1,174,290	2,342,496	5,445,518	4,170,834	9,616,352	500	398	898
KUALA LUMPUR	- SINGAPURA	2,080,665	2,016,335	4,097,000	12,025,412	10,223,602	22,249,014	592,004	407,557	999,561
KUALA LUMPUR	- SIBU	365,752	368,803	734,555	954,809	329,897	1,284,706	30,862	10,026	40,888
KUALA LUMPUR	- TAWAU	355,083	370,320	725,403	1,157,904	1,918,103	3,076,007	1,536	3,704	5,240
PULAU PINANG	- LANGKAWI	164,921	162,417	327,338	19,550	23,450	43,000	-	-	-
PULAU PINANG	- SINGAPURA	702,085	675,780	1,377,865	5,620,874	4,006,459	9,627,333	0	1	1
KOTA KINABALLU	- JOHOR BHARU	133,060	133,322	266,382	-	-	-	-	-	-
KOTA KINABALLU	- TAWAU	396,263	393,205	789,468	121,925	881,749	1,003,674	152,457	33	152,490
KOTA KINABALLU	- LABUAN	53,806	53,077	106,883	217,380	54,842	272,222	70,092	31,842	101,934
KOTA KINABALLU	- LAHAD DATU	61,509	63,741	125,250	57,466	39,864	97,330	12	2,985	2,997
KOTA KINABALLU	- MIRI	128,295	132,057	260,352	203,563	8,584	212,147	5	1,022	1,027
KOTA KINABALLU	- SIBU	29,674	30,497	60,171	30,196	860	31,056	1	179	180
KOTA KINABALLU	- KUCHING	231,936	237,736	469,672	231,583	486,275	717,858	1,331	8	1,339
KOTA KINABALLU	- SINGAPURA	119,410	110,516	229,926	262,997	326,230	589,227	0	1	1
KUCHING	- JOHOR BHARU	185,110	189,281	374,391	-	-	-	-	-	-
KUCHING	- PULAU PINANG	86,100	84,776	170,876	9,270	0	9,270	-	-	-
KUCHING	- SINGAPURA	185,524	174,961	360,485	631,134	397,894	1,029,028	0	0	0
BINTULU	- MIRI	17,635	17,125	34,760	1,248	1,228	2,476	545	233	778
MIRI	- LABUAN	51,297	50,390	101,687	18,513	4,890	23,403	32	264	296
MIRI	- SIBU	47,214	46,510	93,724	5,444	4,705	10,149	549	705	1,254
SANDAKAN	- TAWAU	15,860	14,963	30,823	1,143	6,031	7,174	11	9	-
LANGKAWI	- SINGAPURA	108,102	103,859	211,961	474	8,819	9,293	0	2	2
MIRI	- JOHOR BHARU	28,641	27,751	56,392	-	-	-	-	-	-

SUMBER Source: MALAYSIA AIRPORTS HOLDINGS BERHAD (MAHB)



JADUAL 4.13: PERGERAKAN TRAFIK UNTUK PERKHIDMATAN UDARA LUAR BANDAR, SABAH DAN SARAWAK, 2018

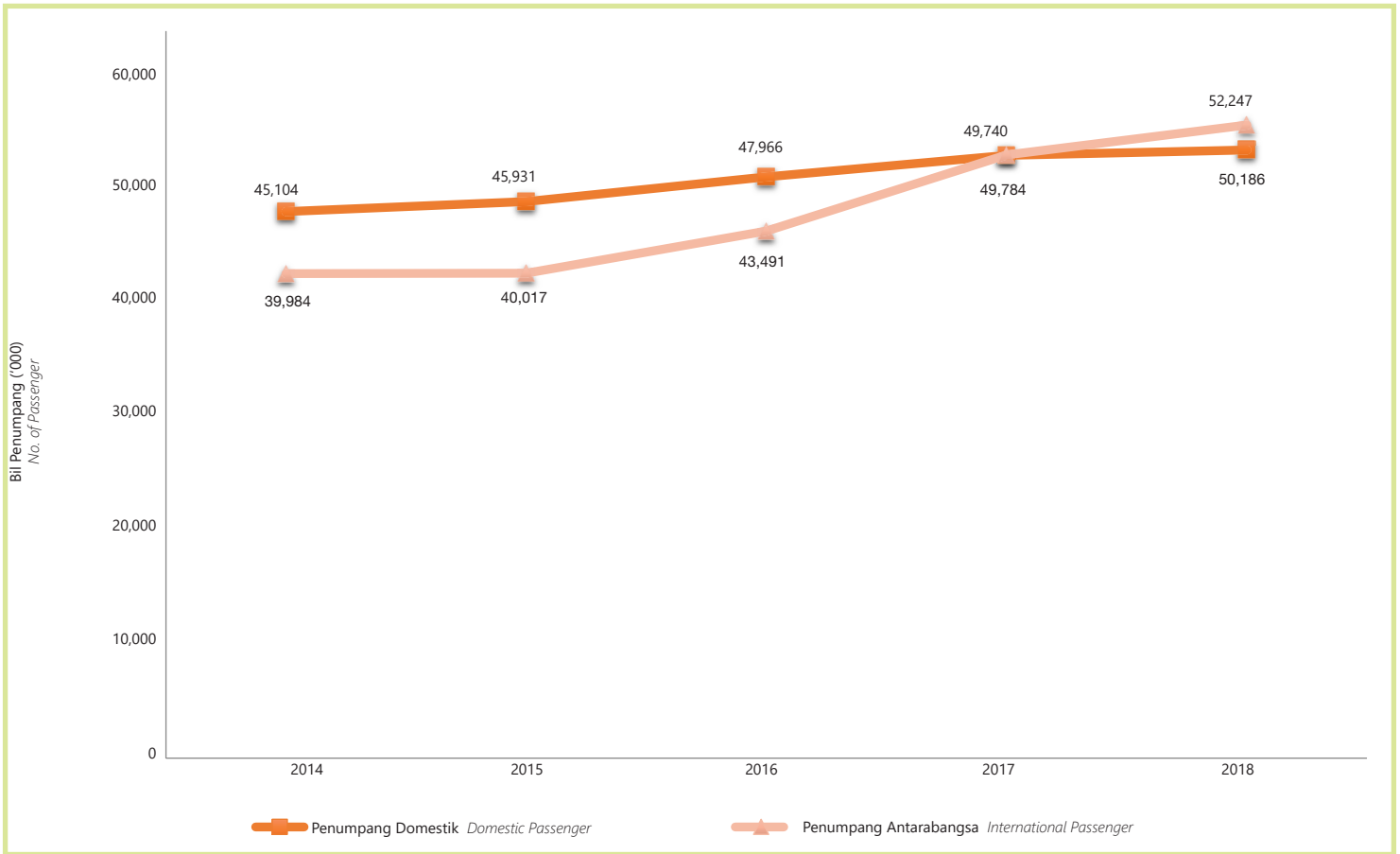
Table 4.13: Traffic Movements for Rural Air Services, Sabah and Sarawak, 2018

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
SABAH											
BARIO	-	MARUDI	-	-	-	-	-	-	-	-	-
BELAGA	-	BINTULU	-	-	-	-	-	-	-	-	-
BINTULU	-	MUKAH	312	86	398	-	-	-	-	-	-
KOTA KINABALU	-	KUDAT	228	229	457	1	-	1	-	-	-
KOTA KINABALU	-	SANDAKAN	247,629	250,638	498,267	116,994	507,176	624,170	72,705	92	72,797
KOTA KINABALU	-	BINTULU	25,214	24,509	49,723	19,891	1,350	21,241	2	8,077	8,079
KUDAT	-	SANDAKAN	557	526	1,083	-	-	-	-	-	-
LAWAS	-	KOTA KINABALU	296	141	437	-	-	-	-	-	-
LIMBANG	-	KOTA KINABALU	887	831	1,718	-	-	-	-	-	-
MIRI	-	BARIO	8,581	9,333	17,914	15,953	848	16,801	-	-	-
SANDAKAN	-	TOMANGGONG	-	-	-	-	-	-	-	-	-
SANDAKAN	-	TAWAU	15,860	14,963	30,823	1,143	6,031	7,174	11	9	20
JUMLAH Total			299,564	301,256	600,820	153,982	515,405	669,387	72,718	8,178	80,896
SARAWAK											
KUCHING	-	BINTULU	192,809	193,143	385,952	80,208	33,119	113,327	3,711	1,070	4,781
KUCHING	-	LABUAN	118	-	118	83,228	537,722	620,950	-	-	-
KUCHING	-	MIRI	332,294	332,367	664,661	724,557	1,050,199	1,774,756	3,447	107	3,554
KUCHING	-	SIBU	259,492	260,446	519,938	76,790	42,587	119,377	64,182	1,376	65,558
KUCHING	-	MUKAH	13,097	15,607	28,704	4,362	1,068	5,430	-	-	-
LAWAS	-	MIRI	17,608	17,531	35,139	25,443	38,674	64,117	-	1	1
LIMBANG	-	MIRI	21,554	20,917	42,471	35,395	162,162	197,557	-	-	-
LIMBANG	-	LAWAS	195	113	308	-	-	-	-	-	-
MARUDI	-	MIRI	8,747	7,105	15,852	1,501	337	1,838	-	-	-
MIRI	-	MULU	18,687	17,347	36,034	287,045	3,952	290,997	1,129	2	1,131
MIRI	-	SIBU	47,214	46,510	93,724	5,444	4,705	10,149	549	705	1,254
MUKAH	-	MIRI	4,014	3,181	7,195	19	343	362	-	-	-
MUKAH	-	SIBU	784	1,156	1,940	-	-	-	-	-	-
SIBU	-	BINTULU	11,829	11,274	23,103	471	581	1,052	873	777	1,650
JUMLAH Total			928,442	926,697	1,855,139	1,324,463	1,875,449	3,199,912	73,891	4,038	77,929

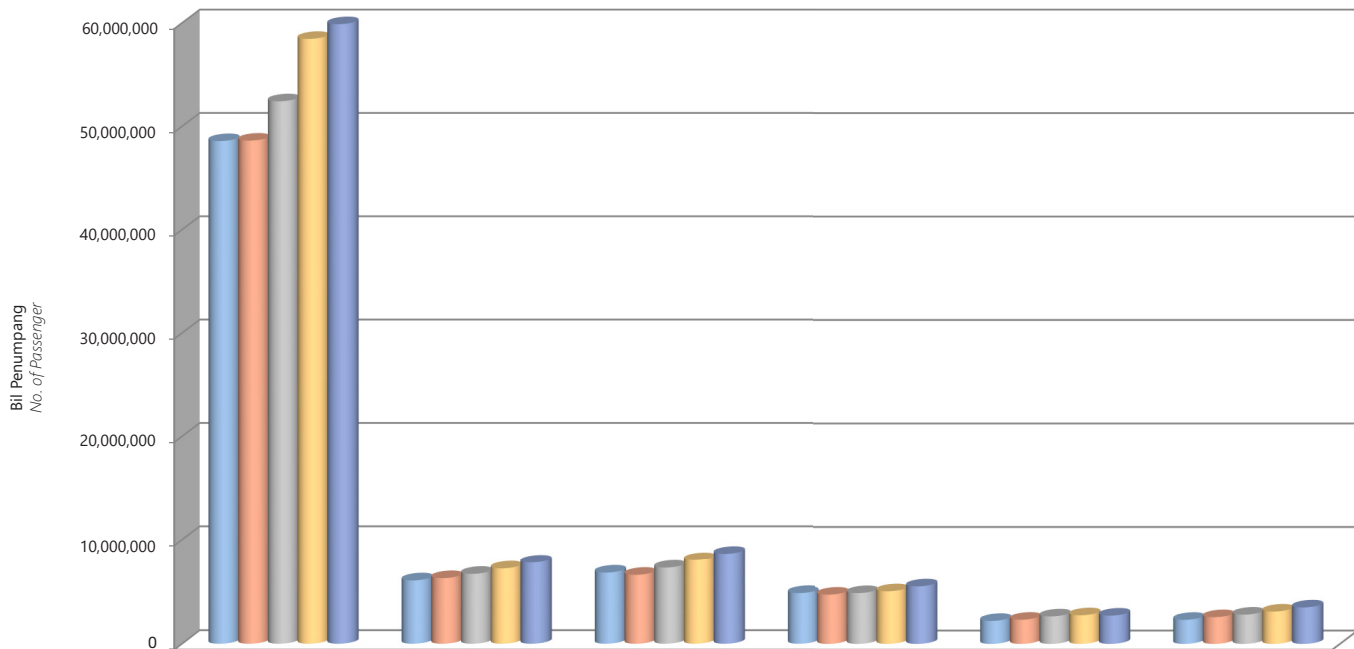
SUMBER Source: MALAYSIA AIRPORTS HOLDINGS BERHAD (MAHB)



Carta 4. 1: JUMLAH PENUMPANG DOMESTIK DAN ANTARABANGSA YANG DIKENDALIKAN DI LAPANGAN TERBANG, MALAYSIA, 2014-2018
Chart 4.1: Total Number of Domestic and International Passengers Handled by Airport, Malaysia, 2014-2018



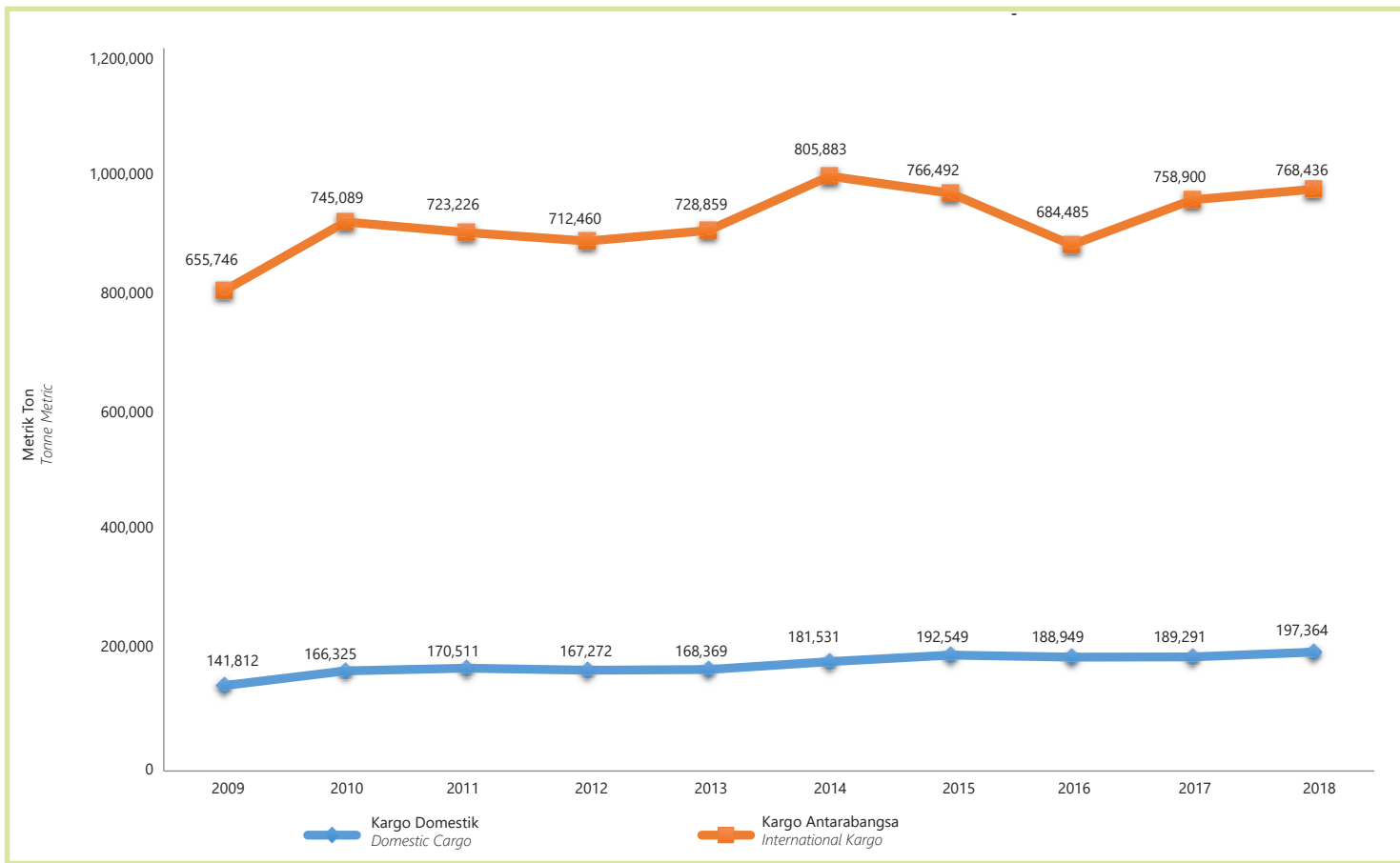
Carta 4.2: JUMLAH PENUMPANG DOMESTIK DAN ANTARABANGSA YANG DIKENDALIKAN DI LAPANGAN TERBANG, MALAYSIA, 2014-2018
 Chart 4.2: Total Number of Domestic and International Passengers Handled by Airport, Malaysia, 2014-2018



	KLIA & KLIA2	PULAU PINANG	KOTA KINABALU	KUCHING	LANGKAWI	JOHOR BAHRU
2014	48,571,834	6,036,326	6,785,957	4,830,778	2,221,997	2,325,816
2015	48,617,226	6,251,955	6,568,371	4,758,089	2,336,177	2,581,966
2016	52,424,244	6,661,225	7,263,224	4,911,331	2,655,271	2,828,074
2017	58,463,343	7,188,238	8,006,446	5,086,208	2,767,707	3,124,799
2018	59,888,169	7,771,548	8,622,119	5,559,092	2,735,262	3,522,519

Carta 4.3: JUMLAH KARGO DOMESTIK DAN ANTARABANGSA YANG DIKENDALIKAN DI LAPANGAN TERBANG, MALAYSIA, 2009-2018

Chart 4.3: Total Domestic and International Cargo Handled by Airport, Malaysia, 2009-2018



CARTA 4.4: JUMLAH KARGO YANG DIKENDALIKAN OLEH LAPANGAN TERBANG ANTARABANGSA, MALAYSIA, 2014-2018
 Chart 4.4: Total Cargo Handled by International Airports, Malaysia, 2014-2018

