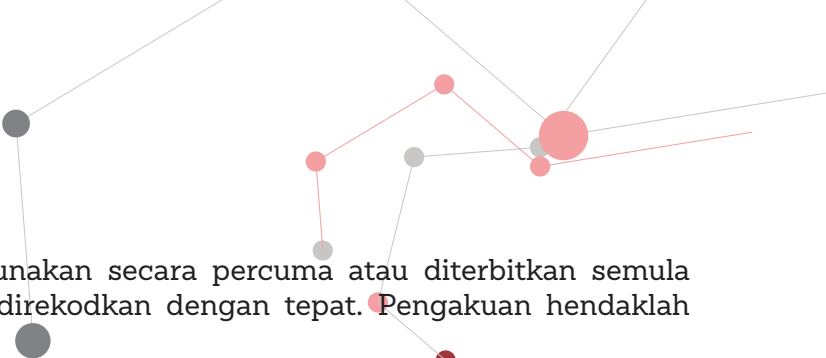




STATISTIK PENGANGKUTAN MALAYSIA

TRANSPORT STATISTICS MALAYSIA

2016



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Preface



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

Saya ingin mengambil kesempatan ini untuk mengucapkan syabas dan tahniah kepada semua pihak yang terlibat menjayakan penerbitan Buku Statistik Pengangkutan Tahunan 2016. Buku laporan statistik pengangkutan ini mengandungi data perangkaan yang komprehensif, sedia diguna dan terkini yang meliputi kesemua jenis pengangkutan di Malaysia. Kesemua data yang diperolehi dikelaskan mengikut tiga mod pengangkutan iaitu pengangkutan darat yang meliputi pengangkutan jalan dan juga keretapi, maritim dan pengangkutan udara. Tujuan utama buku ini diterbitkan adalah bagi memberikan gambaran secara menyeluruh tentang arah aliran serta perkembangan sektor pengangkutan.

Diharapkan Buku Statistik Pengangkutan ini dapat menjadi repositori ilmu dan memberikan panduan serta rujukan yang berguna terutama kepada penggubal dasar, penyelidik, pelajar dan juga mereka yang berminat untuk mengetahui arah aliran dan perkembangan sektor pengangkutan di Malaysia.

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I would like to thank everyone involved in the publication of the Malaysia Transport Statistics 2016. This transport statistics report consists of comprehensive, readily available and up-to-date statistical data on all modes of transport in Malaysia. Data are classified into three main modes of transport namely land transport (inclusive of road and rail transport), maritime transport and air transport. The objective of publishing this yearbook is to show the overall trend of the development of the transport sector.

It is hoped that this Transport Statistics Yearbook will serve as repository of knowledge and a useful guide to policy makers, researchers, students and those interested in knowing the trends and development of the transport sector in Malaysia.

Comments and suggestions towards improving future publications would be greatly appreciated. The Ministry gratefully acknowledges the co-operation of all parties concerned in providing information for this publication.



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Ministry of Works

Polis Diraja Malaysia
Royal Malaysian Police

Jabatan Pengangkutan Jalan
Road Transport Department

Jabatan Laut Malaysia
Marine Department Malaysia

Keretapi Tanah Melayu Berhad
Malayan Railways Limited

Suruhanjaya Pengangkutan Awam Darat
Land Public Transport Commission

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

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

Lembaga Pelabuhan Klang
Klang Port Authority

Pelabuhan Tanjung Pelepas Sdn Bhd
Port of Tanjung Pelepas Sdn Bhd

Johor Port Berhad
Johor Port Berhad

Suruhanjaya Pelabuhan Pulau Pinang
Penang Port Commission

Lembaga Pelabuhan Kuantan
Kuantan Port Authority

Lembaga Pelabuhan Kemaman
Kemaman Port Authority

Bintulu Port Sdn Bhd
Bintulu Port Sdn Bhd

Sabah Port Sdn Bhd
Sabah Port Sdn Bhd

Lembaga Pelabuhan Kuching
Kuching Port Authority

Lembaga Pelabuhan Rajang
Rajang Port Authority

Lembaga Pelabuhan Miri
Miri Port Authority

Pelabuhan Tanjung Bruas
Tanjung Bruas Port

Malaysia Airport Holding Berhad
Malaysia Airports Holdings Berhad

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

Prasarana Malaysia Berhad
Prasarana Malaysia Berhad

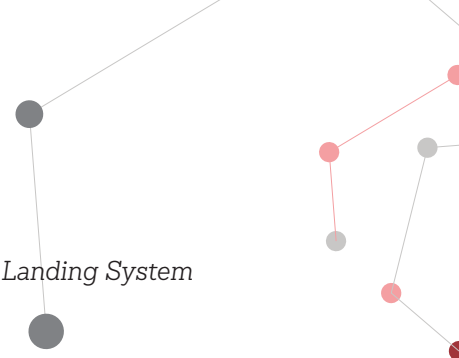
Express Rail Link Sdn Bhd
Express Rail Link Sdn Bhd



GLOSARI AKRONIM

Glosary of Acronyms

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





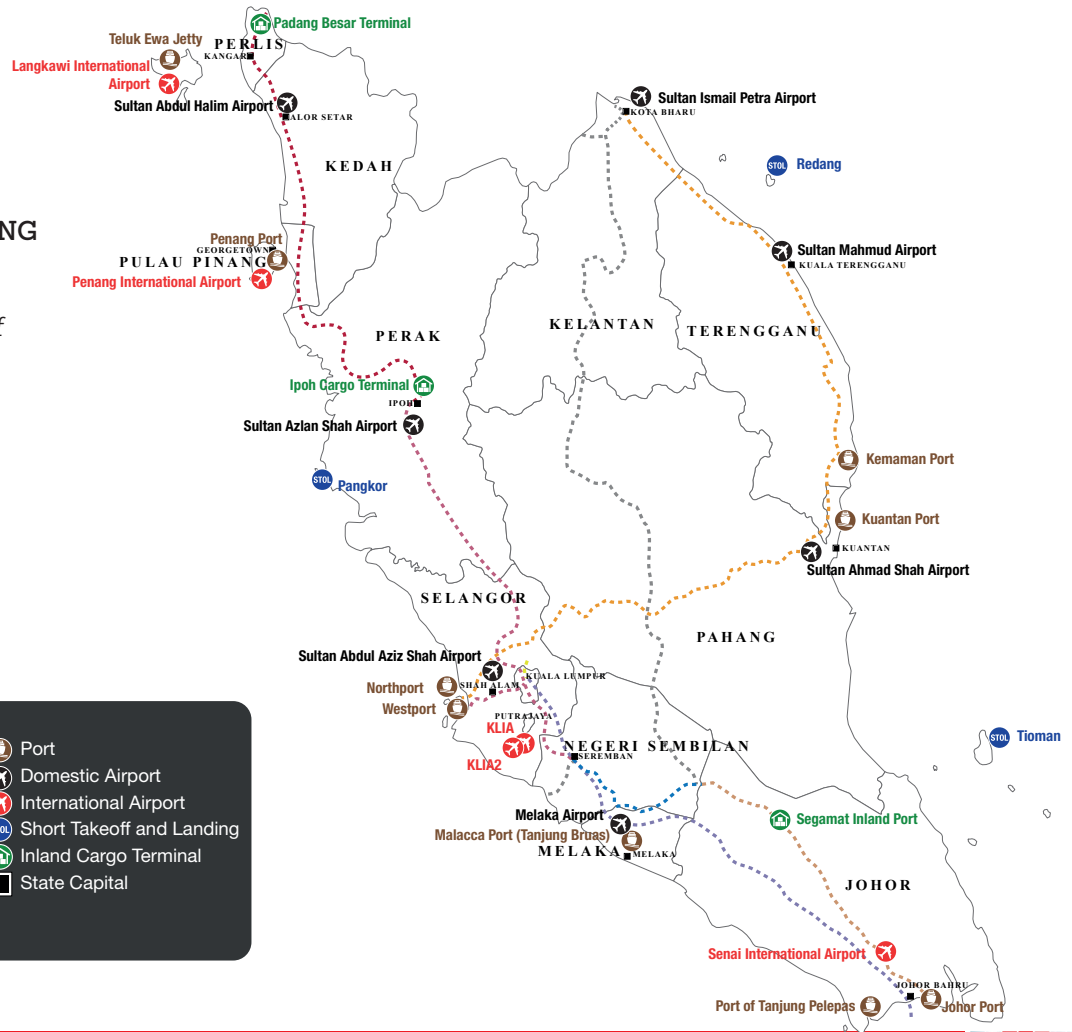
PETA
Maps

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

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

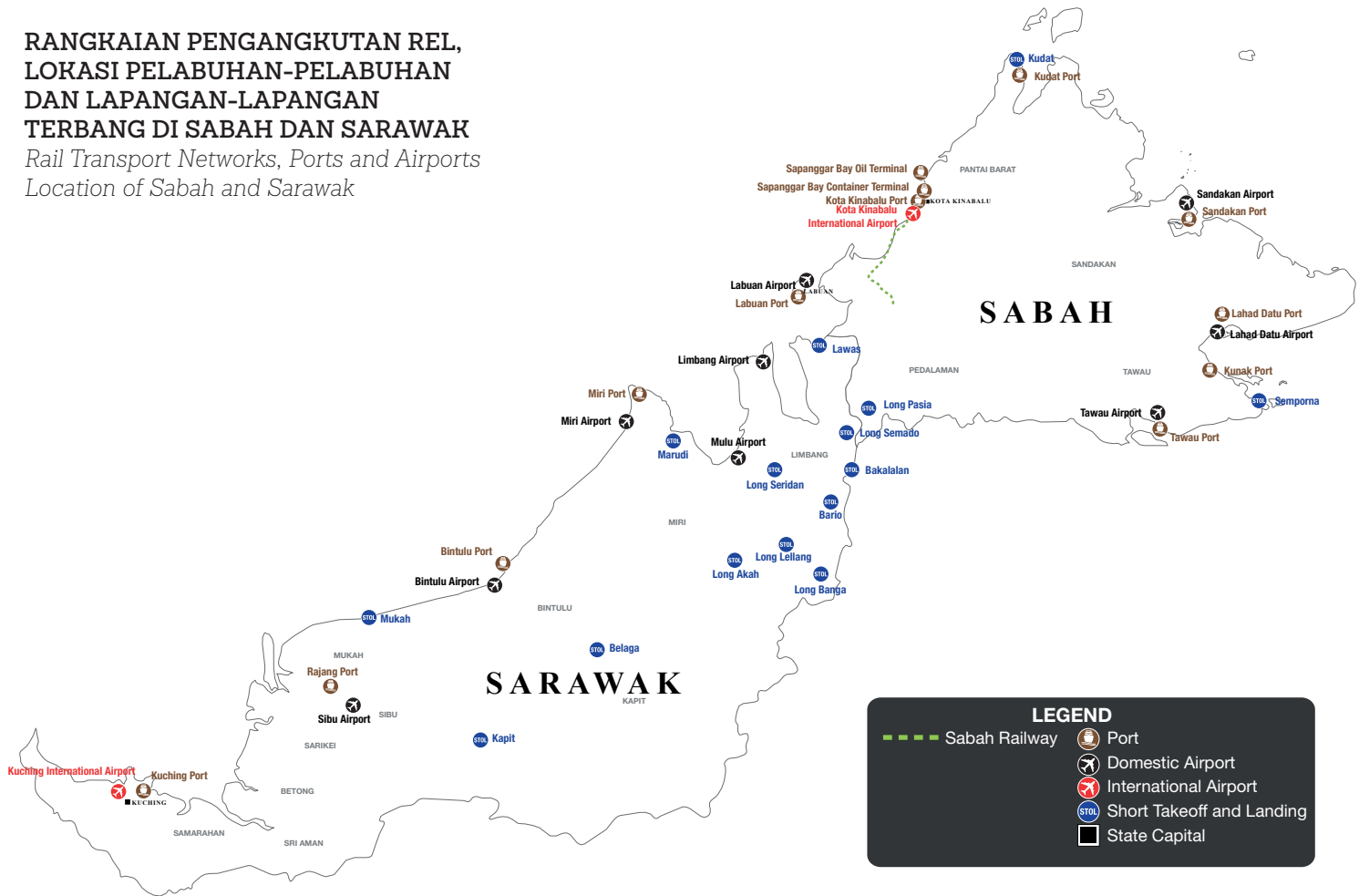
LEGEND

<ul style="list-style-type: none"> — — — — High Speed Railways — — — — East Coast Rail Line — — — — EDTP Ipoh - Padang Besar — — — — EDTP Gemas - Johor Bahru — — — — EDTP Sentul - Batu Caves — — — — EDTP Seremban - Gemas — — — — Existing Single Track — — — — Existing Double Track 	<ul style="list-style-type: none"> Port Domestic Airport International Airport Short Takeoff and Landing Inland Cargo Terminal State Capital
---	--



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

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



RANGKAIAN PENGANGKUTAN TRANSIT REL LEMBAH KLANG

Rail Transport Network of Klang Valley







RAIL LINE

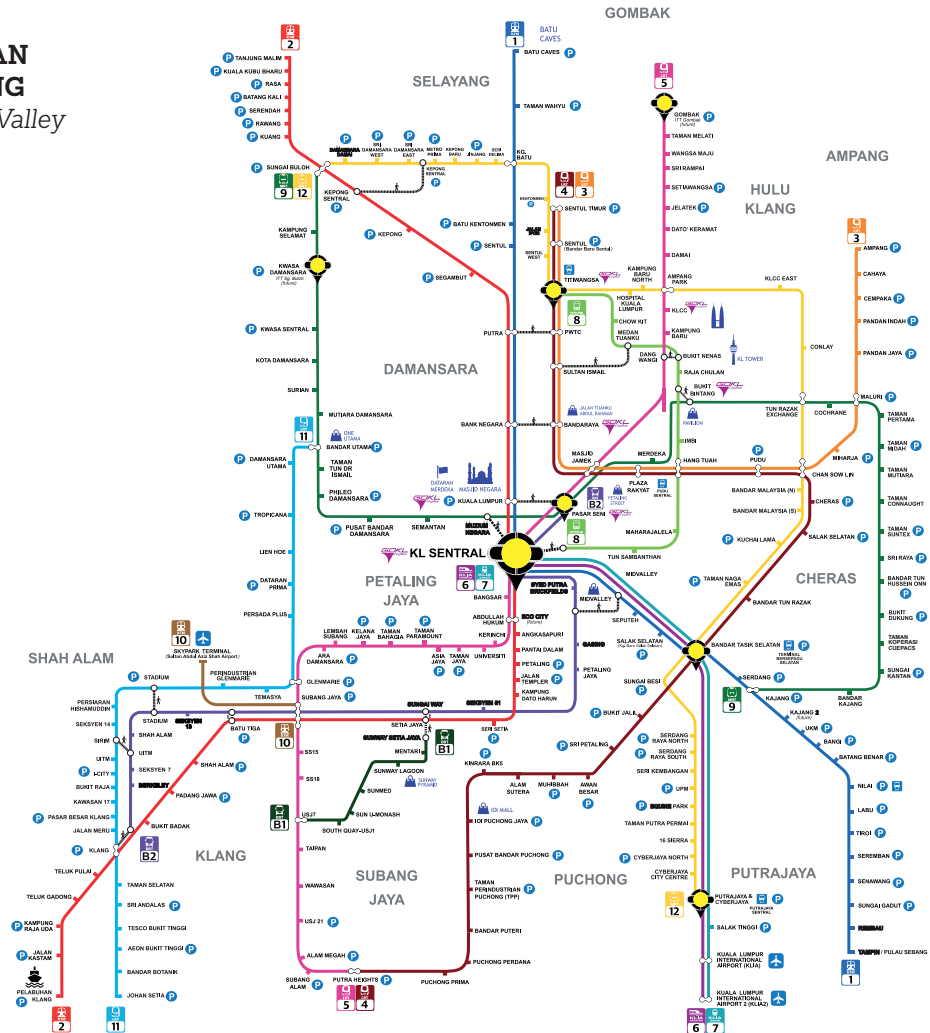
-  **1** KTM SEREMBAN LINE
-  **2** KTM PORT KLANG LINE
-  **3** LRT AMPANG LINE
-  **4** LRT SRI PETALING LINE
-  **5** LRT KELANA JAYA LINE
-  **6** ERL KLIA EKSPRES
-  **7** ERL KLIA TRANSIT
-  **8** KL MONORAIL LINE
-  **9** MRT SG.BULOH-KAJANG LINE
Ready by 2011
-  **10** KTM SKYPARK LINE
Ready by 2012
-  **11** LRT 2 BANDAR UTARA KLANG LINE
Ready by 2012
-  **12** MRT SG.BULOH-PUTRAJAYA LINE
Ready by 2012

BUS RAPID TRANSIT LINE

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

LEGEND

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



A world map with a dotted grid background. Overlaid on the map are several dashed lines with arrows, representing transport routes. Some routes are straight lines, while others are curved. There are also circular icons with arrows pointing inwards, possibly representing hubs or destinations. The map is rendered in a light gray color.

PENGANGKUTAN DARAT

Land Transport

JADUAL 1.11 : BILANGAN LESEN BARU YANG DIKELUARKAN MENGIKUT KELAS LESEN, MALAYSIA, 2007-2016

Table 1.11 : Number of New Licenses Issued by Class of Licenses, Malaysia, 2007-2016

JENIS KENDERAAN Type of Vehicle	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
BAS Busses										
BERHENTI-HENTI Stage	540	513	385	259	636	93	330	250	487	296
EKSPRES Express	356	389	328	332	142	161	181	176	140	93
MINI Mini	11	12	121	18	211	39	24	14	19	13
PEKERJA Employees	361	675	255	429	12	431	603	515	506	363
PENGANTARA Feeder	-	58	127	66	591	2	7	6	6	44
CATAR Chartered	19	378	181	232	12	66	28	9	12	8
SEKOLAH School	846	1,423	1,129	1,074	927	853	924	959	881	751
JUMLAH RECIL Sub Total	2,133	3,448	2,526	2,410	2,531	1,645	2,097	1,929	2,051	1,568
LORI Lorry										
"A"	12,492	14,913	16,152	16,118	14,664	12,992	13,599	13,914	12,584	11,289
"C"	1,746	2,061	2,464	2,614	2,250	2,357	2,987	2,967	2,912	2,645
JUMLAH RECIL Sub Total	14,238	16,974	18,616	18,732	16,914	15,349	16,586	16,881	15,496	13,934
TERSI Taxi										
SEWA Hire	257	255	1,221	1,075	127	228	76	36	38	33
SEWA PANDU SENDIRI Hire & Drive	1,155	1,388	3,139	1,680	1,545	2,635	603	333	194	150
TERSI Taxi	689	624	2,945	4,993	945	2,486	1,233	1,209	605	466
LAPANGAN TERBANG Airport	228	498	198	136	68	9	10	5	29	72
LIMOUSIN Limousine	292	131	97	60	4,965	148	48	59	78	35
JUMLAH RECIL Sub Total	2,621	2,896	7,600	7,944	7,650	5,506	1,970	1,642	944	756
JUMLAH KESELURUHAN Grand Total	18,992	23,318	28,742	29,086	27,095	22,500	20,653	20,452	18,491	16,258

SUMBER: LEMBAGA PERLESENAN KENDERAAN PERDAGANGAN, SURUHANJAYA PENGANGKUTAN AWAM DARAT

Source: Commercial Vehicles Licensing Board, Land Public Transport Commission



JADUAL 1.12 : PURATA TRAFIK HARIAN (ADT) DI 63 LOKASI, SEMENANJUNG MALAYSIA, 2007-2016

Table 1.12 : Average Daily Traffic (ADT) at 63 Locations, Peninsular Malaysia, 2007-2016

BIL. No	STESSEN Station	KM	LOKASI Location	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
PERAK													
1	AR 101	106.6	Ipoh - Tanjung Malim (Slim River toll house)	15,028	13,854	15,038	15,322	14,039	14,431	15,328	16,501	16,736	15,187
2	AR 204	78.9	Ipoh - Lumut	20,778	21,138	23,920	22,389	23,758	25,283	25,942	23,834	26,494	25,939
3	AR 301	35.9	Ipoh - Kampar	23,262	23,050	23,659	31,022	30,311	27,497	28,520	27,126	30,592	24,654
4	AR 303	5.6	Ipoh - Gopeng	64,866	71,205	79,513	84,135	73,487	85,819	77,195	78,210	78,136	77,483
5	AR 501	30.4	Ipoh - Kuala Kangsar (500m north of Sg. Siput town)	17,142	18,036	19,085	19,426	22,500	19,251	20,478	18,578	19,895	19,936
6	AR 601	79.7	Ipoh - Batu Hampar - Changkat Jering	11,989	16,091	16,752	14,128	11,726	19,410	20,588	19,881	20,664	21,327
7	AR 603	82.1	Ipoh - Changkat Jering - Semanggol	15,574	10,034	7,076	10,270	18,646	12,586	12,938	12,531	12,949	13,919
8	AR 703	106.3	Ipoh - Teluk Intan - Simpang Empat	14,351	24,244	25,159	25,365	25,004	28,465	25,489	25,865	27,249	33,024
9	AR 801	96.6	Ipoh - Kuala Kangsar - Gerik	5,319	2,509	2,715	1,724	3,110	3,562	3,487	2,826	3,139	3,017
10	AR 803	2.4	Lebuh Raya Timur - Barat	2,846	2,945	3,078	3,337	3,148	3,944	3,796	3,636	3,293	3,818
SELANGOR													
11	BR 102	3.5	Klang - Port Klang (Jalan Watson)	42,452	47,817	46,690	52,901	53,983	57,835	56,513	52,563	49,706	47,687
12	BR 108	-	300m From The Federal Highway's Junction - North Klang Straits Bypass	115,023	129,408	122,468	141,121	135,678	140,780	143,223	136,424	131,348	128,988
13	BR 203	48.3	Klang - Morib - Batu Laut	6,324	6,711	7,023	7,101	6,852	7,128	7,777	7,741	7,890	7,999
14	BR 405	45.1	Kuala Lumpur - Repong - Kuala Selangor	20,631	19,991	20,938	22,822	23,003	23,648	21,278	22,618	21,611	22,277
15	BR 501	72.1	Klang - Sabak Bernam	18,224	17,977	19,773	20,466	21,743	23,370	22,174	22,443	20,838	24,554
16	BR 604	21.7	Kuala Lumpur - Kajang	42,272	57,286	58,929	56,609	57,591	53,689	59,023	54,222	48,737	48,199
17	BR 701	58.6	Kuala Lumpur - Kuala Kubu Baru Junction (south of junction)	9,723	12,307	13,209	18,293	13,430	13,320	15,082	15,022	15,538	16,063
18	BR 902	19.0	Kuala Lumpur - Karak Highway	159,324	137,870	150,213	129,345	144,334	151,486	147,449	144,308	129,579	138,711
PAHANG													
19	CR 102	67.0	Kuala Lumpur-Kuantan (along KL-Karak Highway)	21,061	20,703	22,224	28,109	27,653	28,470	26,509	28,300	30,436	31,036
20	CR 403	233.0	Kuantan-Marang	24,565	23,395	26,064	28,248	29,142	31,138	31,416	31,876	29,856	30,231
21	CR 410	32.5	Kuantan-Kemaman	21,337	20,260	22,249	22,079	23,278	22,911	21,601	22,995	20,827	24,850
22	CR 503	282.0	Kuala Lumpur-Kuala Lipis - Kampung Padang Tuanku-Rota Bharu	6,427	6,609	6,159	6,253	7,053	7,513	6,985	7,319	8,063	8,757
23	CR 603	3.0	Pekan-Nenas	6,902	5,746	7,783	8,650	9,761	10,319	11,563	11,535	10,741	11,620
24	CR 801	115.0	Kuantan-Karak	12,106	11,567	11,614	11,771	11,597	13,281	13,328	15,673	14,874	15,730
25	CR 805	189.0	Kuantan-Marang	6,855	6,587	6,761	6,980	8,049	7,088	6,952	6,714	6,369	6,841
26	CR 902	-	Kuantan-Segamat (400m. Bkt. Ibam-Rompin junction north bound)	6,721	7,316	11,634	8,102	8,427	9,545	8,763	9,314	9,985	10,514

SUMBER: KEMENTERIAN KERJA RAYA

Source: Ministry of Works



JADUAL 1.12 : PURATA TRAFIK HARIAN (ADT) DI 63 LOKASI, SEMENANJUNG MALAYSIA, 2007-2016 (SAMB.)

Table 1.12 : Average Daily Traffic (ADT) at 63 Locations, Peninsular Malaysia, 2007-2016 (Cont'd)

BIL No	STESEN Station	KM	LORASI Location	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
KELANTAN													
27	DR 201	19.3	Kota Bharu - Melor	35,931	30,698	43,222	31,602	37,939	42,433	32,263	26,043	39,257	28,405
28	DR 603	6.1	Km Lebuhraya Timur-Barat	5,090	5,224	5,296	5,440	5,863	6,275	6,029	6,141	4,718	6,344
29	DR 802	61.5	Kota Bharu - Kuala Krai	18,828	18,707	19,521	20,632	22,308	23,381	21,200	22,523	23,345	21,969
JOHOR													
30	JR 101	142.0	Johor Bahru - Batu Pahat - Muar	11,727	10,736	12,735	11,162	11,711	14,847	18,659	15,491	13,321	12,562
31	JR 104	127.2	Johor Bahru - Yong Peng - Muar	24,014	32,094	33,381	25,916	40,092	23,361	34,672	32,757	25,310	16,289
32	JR 108	116.0	Johor Bahru - Segamat	12,263	12,557	12,869	12,262	13,025	12,369	11,628	11,521	11,985	9,733
33	JR 205	12.7	Johor Bahru - Skudai	187,687	154,952	218,035	221,084	213,390	162,454	189,292	191,427	178,012	184,136
34	JR 218	-	1000m east junction to Masai	42,184	43,457	46,426	49,309	40,428	47,563	26,552	26,502	29,045	43,134
35	JR 305	76.0	Johor Bahru - Ayer Hitam	15,381	14,708	15,261	14,810	14,894	15,398	13,911	15,847	17,359	17,598
36	JR 306	49.5	Batu Pahat - Ayer Hitam - Kluang	30,231	33,897	33,572	34,964	36,952	39,674	38,053	38,366	41,632	41,936
37	JR 404	38.6	Johor Bahru - Kota Tinggi	19,506	19,417	19,182	20,302	20,106	23,273	22,103	19,750	19,745	18,984
38	JR 501	135.2	Johor Bahru - Endau (2.4km north of Mersing town)	18,563	17,192	16,688	15,598	13,445	13,411	14,412	14,391	14,672	15,336
39	JR 503	111.1	Johor Bahru - Rota Tinggi - Jemaluang (500 m south of Jemaluang)	4,247	4,246	4,477	4,633	4,481	4,490	4,720	4,143	2,656	4,969
40	JR 702	60.0	Johor Bahru - Pontian Kecil - Pontian Besar (near Pontian Hospital)	13,926	17,789	14,480	14,406	12,125	16,772	15,061	14,678	15,945	16,690
41	JR 801	199.5	Johor Bahru - Segamat - Batu Anam	13,880	14,145	14,648	15,237	15,781	15,875	16,826	16,800	17,751	15,954
KEDAH													
42	KR 202	20.6	Alor Setar - Changlun	37,093	51,314	34,715	30,402	32,311	42,822	47,474	34,003	36,660	38,036
43	KR 401	70.8	Alor Setar - Sungai Petani - Butterworth	20,596	16,123	19,052	24,002	22,195	23,141	23,971	23,672	24,779	21,656
44	KR 501	29.0	Alor Setar - Sungai Petani	21,206	17,586	19,169	19,387	19,618	19,249	18,853	17,797	19,854	18,221
MELAKA													
45	MR 206	22.9	Melaka - Muar	19,090	14,057	15,501	15,679	16,426	17,044	16,779	17,112	17,182	15,640
46	MR 301	25.0	Melaka - Rendong	10,761	11,057	9,986	11,472	11,465	11,170	15,715	15,665	16,885	19,662
47	MR 313	43.5	Melaka - Lubok Cina	8,730	8,179	7,709	7,858	8,084	8,480	9,097	9,013	11,202	8,165

SUMBER: KEMENTERIAN KERJA RAYA

Source: Ministry of Works



JADUAL 1.12 : PURATA TRAFIK HARIAN (ADT) DI 63 LOKASI, SEMENANJUNG MALAYSIA, 2007-2016 (SAMB.)

Table 1.12 : Average Daily Traffic (ADT) at 63 Locations, Peninsular Malaysia, 2007-2016 (Cont'd)

BIL No	STESEN Station	KM	LORASI Location	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
NEGERI SEMBILAN													
48	NR 304	21.7	Seremban - Port Dickson	58,328	68,327	67,092	65,580	46,201	54,394	59,864	62,112	57,613	41,295
49	NR 403	42.7	Seremban - Tampin	13,456	12,990	13,073	12,690	12,565	12,832	12,645	11,459	12,465	12,737
50	NR 501	20.0	Seremban - Kuala Lumpur	15,418	14,329	12,530	12,052	11,964	11,397	10,671	11,810	11,870	10,984
51	NR 505	9.3	Seremban - Tampin (500 m outside town area)	38,284	38,197	33,697	35,708	38,378	57,639	50,484	48,002	47,976	48,966
PULAU PINANG													
52	PR 116	16.9	Butterworth - Taiping	47,787	53,451	56,601	56,349	60,230	56,932	64,993	48,588	65,716	59,320
53	PR 201	11.1	Georgetown - Teluk Bahang (Jln. Keliling Pulau)	23,061	24,392	24,799	27,334	26,085	28,442	27,106	28,419	24,774	23,255
54	PR 203	57.2	Georgetown - Bayan Lepas - Gelugor (Jln. Keliling Pulau)	40,757	43,232	47,285	50,776	50,950	59,900	62,207	63,049	62,464	56,678
PERLIS													
55	RR 105	3.2	Kangar - Alor Setar (Melalui Simpang Empat)	21,018	20,769	21,321	21,758	23,234	25,577	26,155	25,092	27,257	27,827
KUALA TERENGGANU													
56	TR 103	61.5	K. Terengganu - Jerteh - Kota Bharu	18,384	23,357	21,313	24,196	25,551	27,325	27,066	19,490	23,584	22,605
57	TR 202	78.9	K. Terengganu - Dungun - Kemaman	25,215	23,463	29,051	28,602	30,035	27,856	29,864	28,124	28,171	24,852
58	TR 305	48.0	Kuantan - K. Terengganu (Jln. Jabor-Jerangau)	5,116	5,363	5,381	5,590	6,553	7,566	8,036	7,667	4,105	3,992
59	TR 402	17.0	K. Terengganu - Kuantan	39,230	24,933	24,852	25,887	27,451	29,532	31,227	31,686	24,887	34,408
60	TR 502	33.0	K. Terengganu - Kg. Ajil - Jerangau	10,838	13,132	14,701	14,695	12,649	10,092	8,715	8,739	9,561	9,047
KUALA LUMPUR													
61	WR 102	12.1	Kuala Lumpur - Ipoh	158,754	161,161	214,746	277,797	276,092	252,341	253,179	214,760	211,188	169,218
62	WR 103	8.1	Kuala Lumpur - Ipoh	203,986	205,867	194,287	196,796	209,224	203,277	216,424	192,223	162,596	205,686
63	WR 105	8.1	Kuala Lumpur - Seremban Expressway	258,867	229,713	213,522	201,260	192,649	213,161	206,140	219,336	221,066	150,233

SUMBER: KEMENTERIAN KERJA RAYA

Source: Ministry of Works



JADUAL 1.13 : PURATA TRAFIK HARIAN (ADT) DI 16 LOKASI, SABAH DAN SARAWAK, 2007-2016

Table 1.13 : Average Daily Traffic (ADT) at 16 Locations, Sabah and Sarawak, 2007-2016

BIL No	STESEN Station	KM	LOKASI Location	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
SABAH													
1	HR 101	4.8	Beaufort - Sindumin	10,773	7,454	4,811	4,924	5,965	5,422	5,694	6,508	6,710	6,493
2	HR 104	9.0	Tenom - Toman - Bekuku Highway	3,879	4,566	4,566	4,294	4,425	2,123	2,450	2,378	2,299	6,943
3	HR 201	22.5	Kota Kinabalu - Papar	4,932	6,453	7,968	9,370	11,791	14,491	14,406	15,329	15,786	15,999
4	HR 202	8.1	Donggongan - Tambunan	4,685	3,578	3,701	3,835	3,881	3,353	3,839	4,478	4,105	3,351
5	HR 204	69.0	Kota Kinabalu - Kudat (100mm From Longtigi Junction)	11,695	9,855	9,450	11,189	11,138	9,953	13,909	11,923	12,388	13,887
6	HR 501	31.4	Tawau - Semporna	17,009	16,850	9,407	10,074	10,035	10,455	10,327	10,229	11,508	11,694
7	HR 504	14.5	Sg. Segama Crossing	7,423	6,987	6,781	8,294	8,691	7,641	9,407	8,739	6,335	7,412
8	HR 506	68.0	20km from Semporna towards Tawau	3,231	2,585	2,663	2,711	3,074	2,742	2,704	3,087	2,310	3,609
9	HR 507	82.0	Tawau - Sandakan (Near Kunak Junction)	8,170	7,168	8,600	11,141	11,633	9,706	7,831	7,699	6,700	8,169
SARAWAK													
10	SR 101	16.1	Bau - Semantan	2,779	3,188	3,143	3,091	3,504	5,780	3,512	3,582	4,090	3,429
11	SR 103	27.4	Kucing - Serian	21,071	22,225	24,564	30,616	31,112	32,889	27,987	32,808	34,874	34,950
12	SR 401	20.0	Bintulu - Sibul	6,240	7,250	9,808	10,957	14,520	4,342	4,476	5,125	5,841	5,563
13	SR 402	29.0	Bintulu - Miri	4,771	5,924	7,880	8,507	4,178	5,355	9,139	8,677	7,452	7,428
14	SR 403	6.2	Miri - Bintulu (before junction to Airport)	6,882	9,984	11,060	10,506	12,211	11,805	10,865	10,887	12,329	9,092
15	SR 503	1.6	Limbang - Brunei Border (Sg.Padaruan)	15,830	16,319	14,141	19,032	13,519	11,014	12,742	11,150	12,807	13,245
16	SR 504	1.6	Lawas - Trusan	5,235	4,519	5,139	3,653	6,683	6,448	7,243	7,200	7,912	11,701

SUMBER: KEMENTERIAN KERJA RAYA

Source: Ministry of Works



JADUAL 1.14 : KOMPOSISI TRAFIK (%) MENGIKUT JENIS KENDERAAN DI 14 STESEN TERPILIH, MALAYSIA, 2016

Table 1.14 : Traffic Composition (%) by Type of Vehicle at 14 Selected Stations, Malaysia, 2016

BIL No	STESEN Station	LOKASI Location	16 JAM TRAFIK 16 Hours Traffic	JENIS KENDERAAN / Type of Vehicle					
				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	110,498	81,730	8,478	5,121	1,846	1,990	11,334
2	JR 501	Johor Bahru - Endau	15,336	8,866	1,208	719	470	91	3,982
3	NR 501	Seremban - Kuala Lumpur	10,984	6,663	1,032	775	516	70	1,928
4	PR 115	Butterworth - Taiping	41,309	23,469	2,660	2,665	872	284	11,358
5	AR 301	Ipoh - Kampar	24,654	16,515	1,594	2,058	839	283	3,365
6	KR 501	Alor Setar - Sungai Petani	18,221	10,800	1,210	1,127	650	97	4,337
7	CR 805	Kuantan - Maran	6,841	3,992	1,022	571	394	28	834
8	CR 902	Persimpangan Bukit Iban - Rompin Di Lebuh Raya Kuantan - Segamat	10,514	6,018	1,772	690	836	76	1,122
9	TR 402	Kuala Terengganu - Kuantan	34,408	24,129	2,470	879	190	226	6,515
10	DR 802	Kota Bharu - Kuala Krai	21,969	13,028	3,447	1,337	527	150	3,480
SABAH									
11	HR 201	Kota Kinabalu - Papar	15,999	8,936	4,381	1,071	536	123	952
12	HR 501	Tawau - Semporna	11,694	3,885	4,252	1,469	885	62	1,141
SARAWAK									
13	SR 103	Kuching - Serian	34,950	19,426	5,676	1,585	1,409	275	6,579
14	SR 402	Bintulu - Miri	7,428	3,146	2,489	444	702	105	542

SUMBER: KEMENTERIAN KERJA RAYA

Source: Ministry of Works



JADUAL 1.15 : JUMLAH KEMALANGAN JALAN RAYA MENGIKUT NEGERI, MALAYSIA, 2007-2016

Table 1.15 : Total Road Accidents by States, Malaysia, 2007-2016

NEGERI State	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
PERLIS	1,364	1,417	1,633	1,548	1,791	1,881	1,895	1,888	1,861	2,062
KEDAH	16,172	16,520	17,701	17,966	19,699	19,935	20,228	20,159	22,016	23,200
PULAU PINANG	33,881	34,049	33,719	34,306	37,158	37,851	39,361	38,747	39,856	42,244
PERAK	29,203	30,539	32,327	32,072	33,506	34,714	35,408	35,131	36,736	38,531
SELANGOR	99,157	100,380	107,429	115,565	128,876	129,106	135,024	137,809	140,957	151,253
W.P. KUALA LUMPUR	49,454	48,671	51,942	53,493	58,795	61,872	64,527	63,535	64,664	68,866
NEGERI SEMBILAN	16,079	17,362	18,369	19,407	21,157	22,146	23,066	23,748	22,939	24,428
MELAKA	11,720	12,105	13,275	14,110	14,720	15,195	16,083	16,375	17,069	18,601
JOHOR	46,584	48,667	51,747	55,381	59,501	62,316	64,600	64,473	67,112	73,116
PAHANG	13,982	15,629	17,068	17,315	19,001	20,554	20,130	19,071	19,635	20,465
KELANTAN	8,116	8,842	9,549	9,707	9,603	9,968	9,748	10,326	9,960	10,544
TERENGGANU	8,155	8,814	10,118	10,106	10,684	10,861	10,996	9,383	10,381	10,793
SABAH	14,256	14,588	15,798	16,192	16,585	17,446	17,438	17,858	17,290	17,298
SARAWAK	15,196	15,488	16,655	17,253	17,964	18,578	18,700	17,693	19,130	20,065
JUMLAH Total	363,319	373,071	397,330	414,421	449,040	462,423	477,204	476,196	489,606	521,466

SUMBER: CAWANGAN TRAFIK BUKIT AMAN

Source: Traffic Branch Bukit Aman



**JADUAL 1.16 : JUMLAH KENDERAAN YANG TERLIBAT DALAM KEMALANGAN JALAN RAYA MENGIKUT
JENIS KENDERAAN, MALAYSIA, 2007-2016**

Table 1.16 : Total Motor Vehicles Involved in Road Accidents by Type of Vehicle, Malaysia, 2007-2016

TAHUN Year	MOTOSIKAL Motorcycle	MOTOKAR Motocar	VAN Van	BAS Bus	LORI Lorry	PEMACU 4 RODA Four Wheel Drive	TEKSI Taxi	BASIKAL Bicycle	LAIN-LAIN Others	JUMLAH Total
2007	111,765	426,941	21,109	10,285	47,696	21,823	8,809	2,690	14,909	666,027
2008	111,819	435,665	20,392	9,356	48,250	22,793	8,769	2,463	11,571	671,078
2009	113,962	472,307	19,220	9,380	46,724	23,581	8,669	2,486	9,294	705,623
2010	120,156	511,861	18,788	9,580	50,438	25,777	9,899	2,178	11,756	760,433
2011	129,017	546,702	17,916	9,986	53,078	30,828	11,197	2,033	16,394	817,151
2012	130,080	655,813	15,143	10,617	42,158	32,891	11,680	1,310	21,540	921,232
2013	121,700	632,602	17,148	10,123	39,276	52,512	11,651	1,370	15,441	901,823
2014	125,712	617,578	15,041	9,193	37,481	41,464	10,856	1,275	27,743	886,343
2015	123,408	625,758	14,565	8,804	34,942	46,163	9,591	1,119	29,924	894,274
2016	135,181	670,935	14,470	9,462	35,064	48,907	8,399	1,318	36,833	960,569

SUMBER: CAWANGAN TRAFIK BURIT AMAN

Source: Traffic Branch Bukit Aman



JADUAL 1.17 : JUMLAH KEMATIAN DISEBABKAN KEMALANGAN JALAN RAYA MENGIKUT TAHUN DAN NEGERI, MALAYSIA, 2007–2016

Table 1.17 : Total Deaths Caused by Road Accidents by Year and States, Malaysia, 2007–2016

NEGERI State	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
PERLIS	41	69	90	66	79	71	72	61	65	67
KEDAH	492	496	550	532	515	548	517	525	530	572
PULAU PINANG	376	354	395	370	392	400	381	378	360	411
PERAK	811	829	829	820	811	753	770	750	726	789
SELANGOR	1,025	1,083	976	1,061	1,070	1,102	1,019	1,068	1,028	1,140
W.P. KUALA LUMPUR	234	237	230	233	236	249	243	238	256	232
NEGERI SEMBILAN	320	389	377	399	374	352	396	379	355	414
MELAKA	227	243	248	235	240	243	258	236	256	247
JOHOR	1,023	1,065	1,060	1,076	1,073	1,073	1,128	1,018	1,040	1,135
PAHANG	437	446	512	574	563	540	592	539	532	539
KELANTAN	374	380	453	380	392	392	378	354	426	453
TERENGGANU	290	293	348	314	292	301	320	276	307	342
SABAH	316	325	345	447	398	450	420	420	392	379
SARAWAK	316	318	332	365	442	443	421	432	433	432
JUMLAH Total	6,282	6,527	6,745	6,872	6,877	6,917	6,915	6,674	6,706	7,152

SUMBER: CAWANGAN TRAFIK BUKIT AMAN

Source: Traffic Branch Bukit Aman



JADUAL 1.18 : JUMLAH KECEDERAAN DAN KEMATIAN DISEBABKAN KEMALANGAN JALAN RAYA, MALAYSIA, 2007-2016

Table 1.18 : Total Casualties and Damages Caused by Road Accidents, Malaysia, 2007-2016

TAHUN Year	JUMLAH KEMALANGAN Total Number of Accidents	KECEDERAAN DAN KEMATIAN Casualties			
		MATI Death	PARAH Serious	RINGAN Minor	JUMLAH Total
2007	363,319	6,282	9,273	18,444	33,999
2008	373,071	6,527	8,868	16,879	32,274
2009	397,330	6,745	8,849	15,823	31,417
2010	414,421	6,872	7,781	13,616	28,269
2011	449,040	6,877	6,328	12,365	25,570
2012	462,423	6,917	5,868	11,654	24,439
2013	477,204	6,915	4,597	8,388	19,900
2014	476,196	6,674	4,432	8,598	19,704
2015	489,606	6,706	4,120	7,432	18,258
2016	521,466	7,152	4,506	7,415	19,073

SUMBER: CAWANGAN TRAFIK BUKIT AMAN

Source: Traffic Branch Bukit Aman





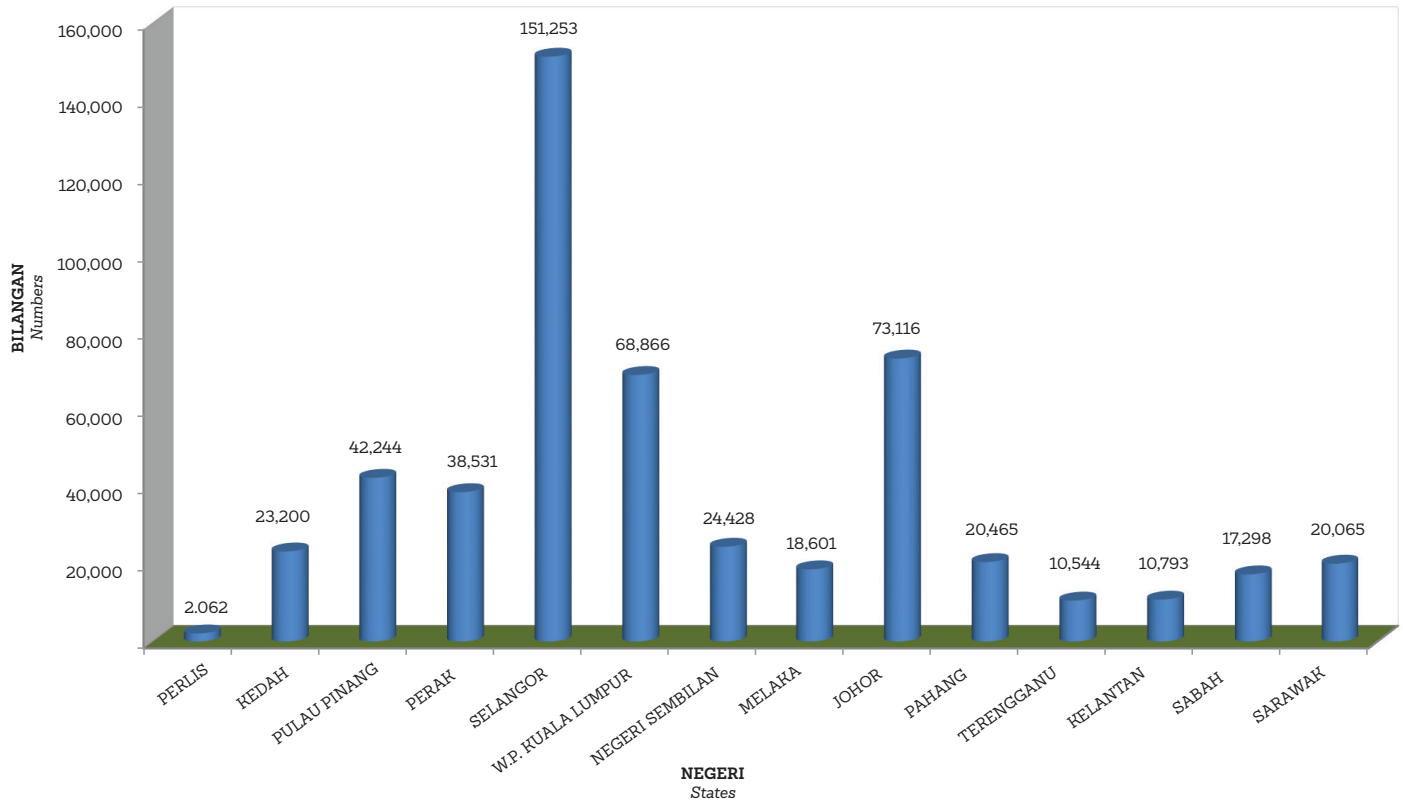






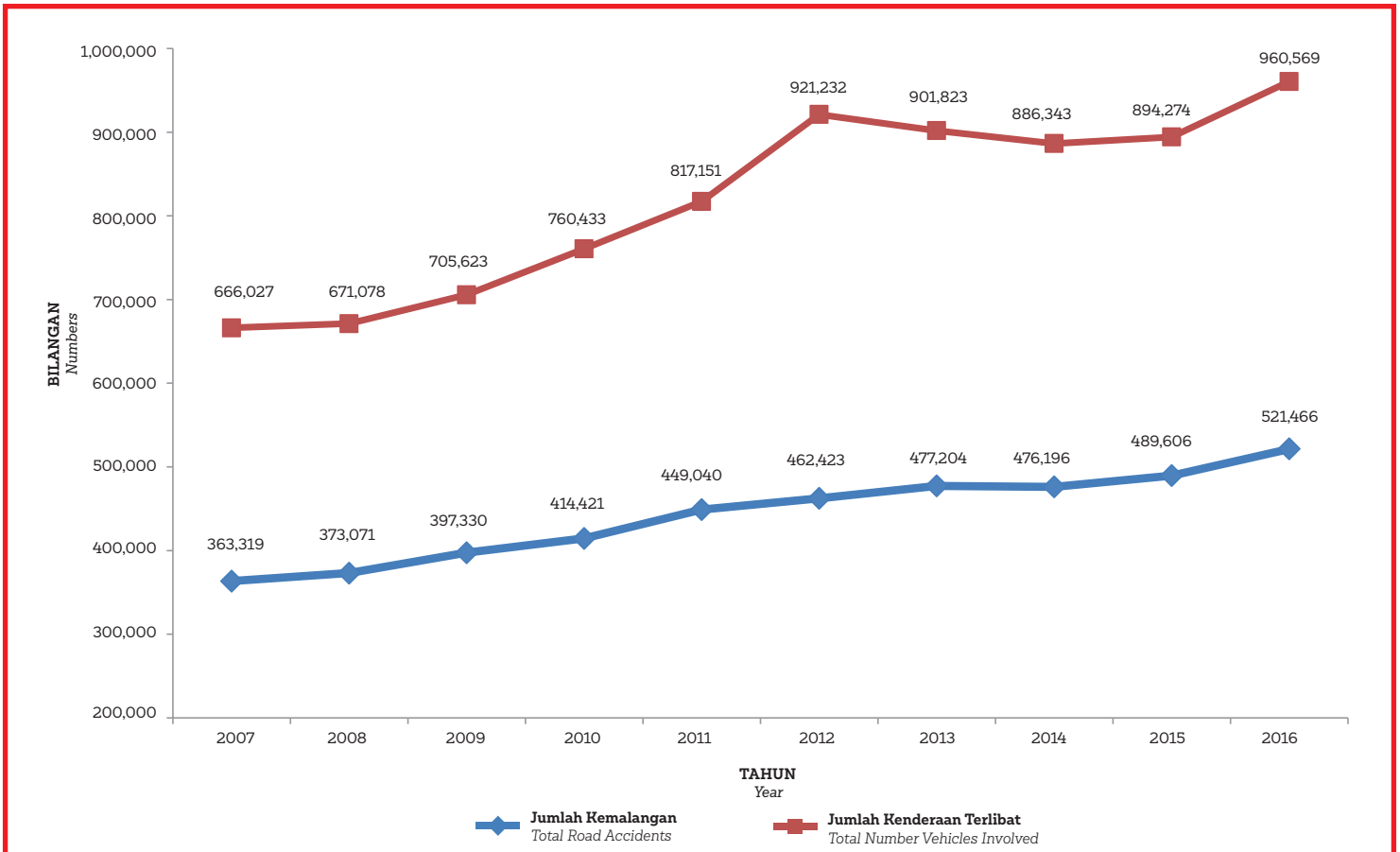
CARTA 1.5 : JUMLAH KEMALANGAN JALAN RAYA MENGIKUT NEGERI, MALAYSIA, 2016

Chart 1.5 : Total Road Accidents by States, Malaysia, 2016



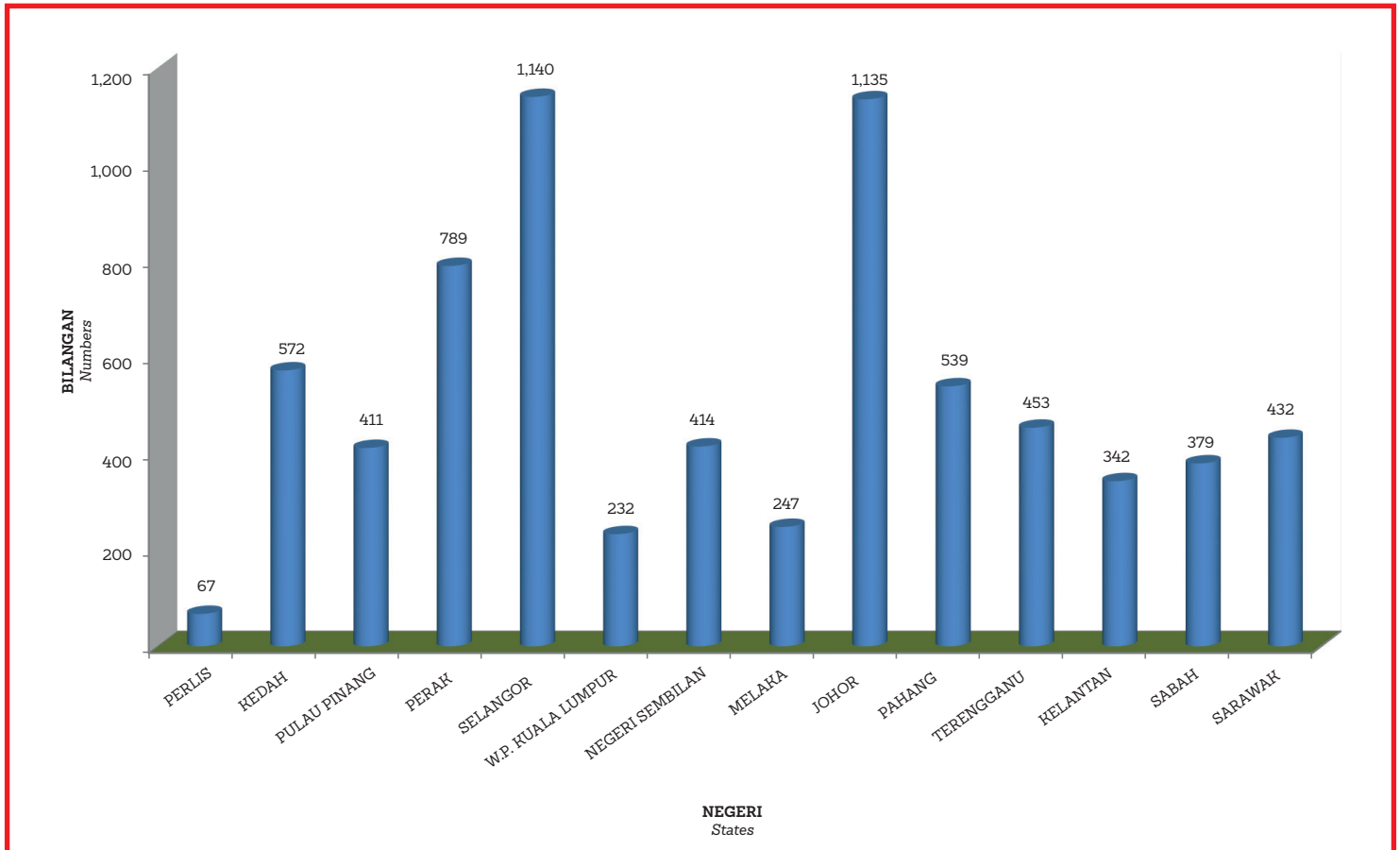
CARTA 1.6 : JUMLAH KEMALANGAN JALAN RAYA DAN KENDERAAN TERLIBAT, MALAYSIA, 2007-2016

Chart 1.6 : Total Road Accidents and Motor Vehicles Involved, Malaysia, 2007-2016



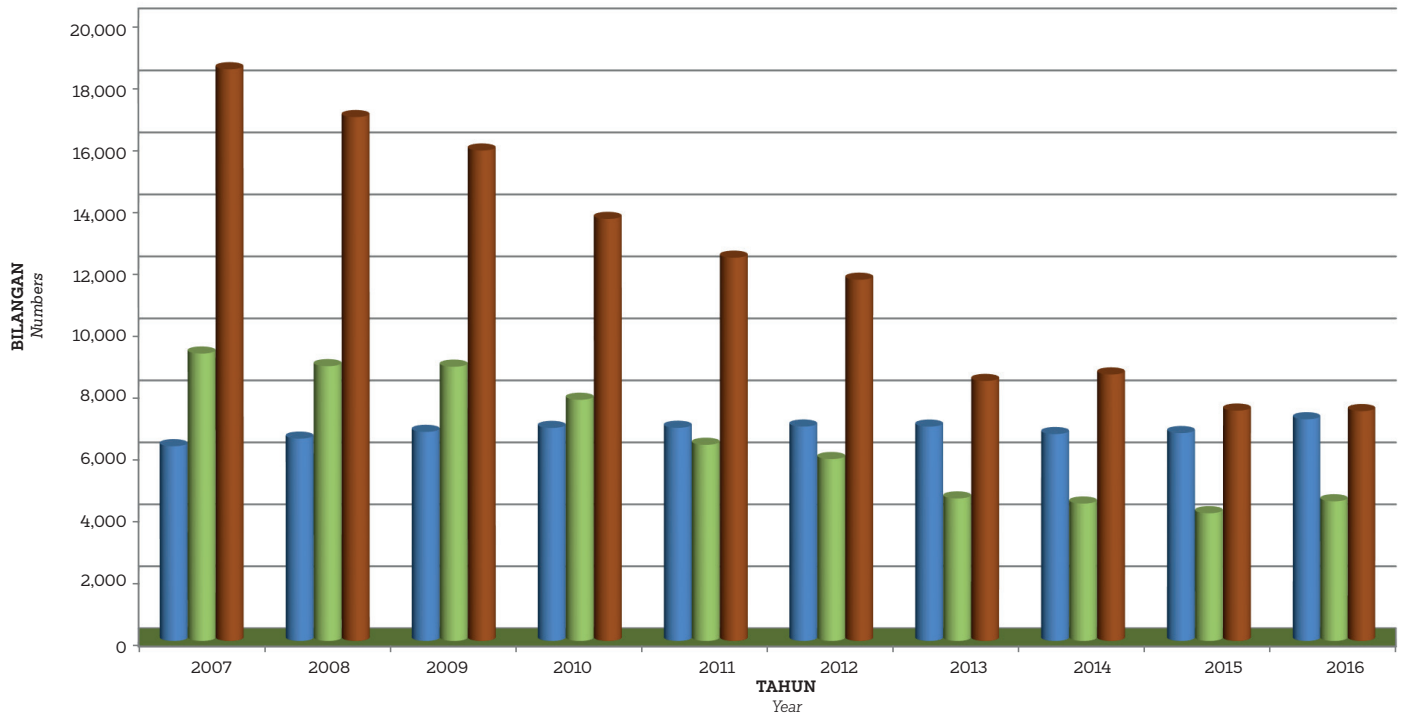
CARTA 1.7: KEMATIAN DISEBABKAN KEMALANGAN JALAN RAYA MENGIKUT NEGERI, MALAYSIA, 2016

Chart 1.7 : Deaths Caused by Road Accidents by States, Malaysia, 2016



CARTA 1.8 : RECEDERAAN DAN KEMATIAN DISEBABKAN OLEH KEMALANGAN JALAN RAYA, MALAYSIA, 2007-2016

Chart 1.8 : Casualties and Deaths Caused by Road Accidents, Malaysia, 2007-2016

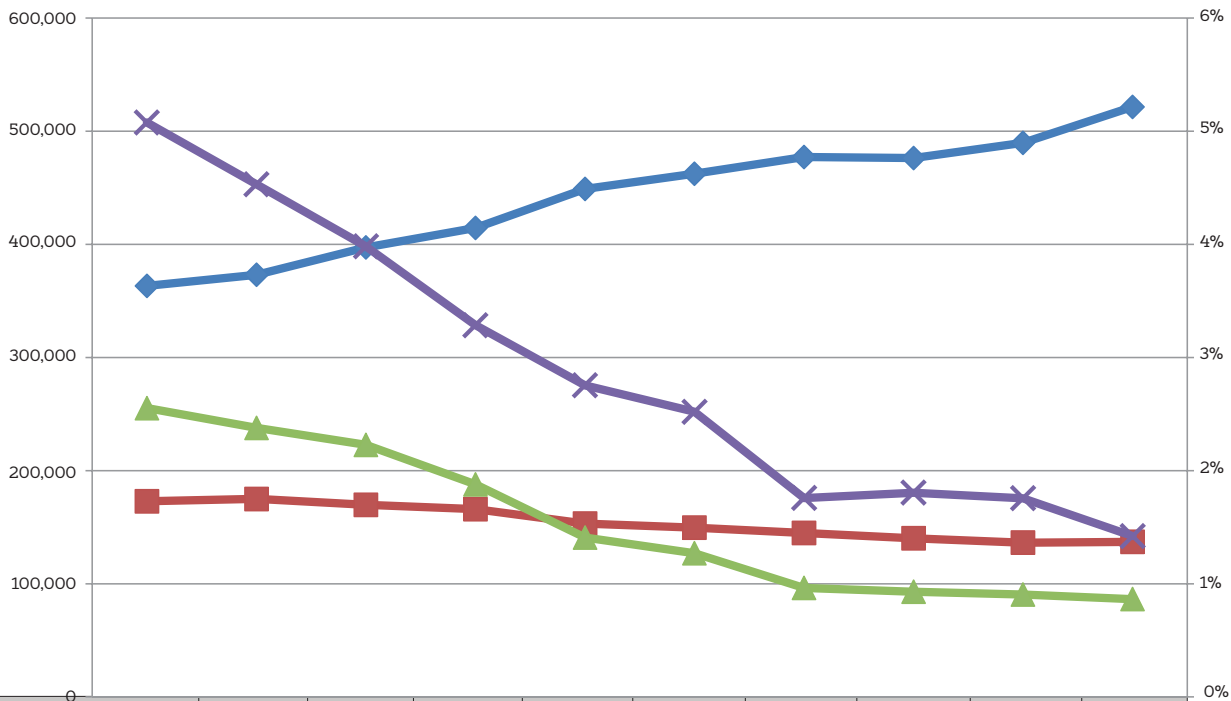


	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
■ Mati / Death	6,282	6,527	6,745	6,872	6,877	6,917	6,915	6,674	6,706	7,152
■ Cedera Parah / Severe Injuries	9,273	8,868	8,849	7,781	6,328	5,868	4,597	4,432	4,120	4,506
■ Cedera Ringan / Minor Injuries	18,444	16,879	15,823	13,616	12,365	11,654	8,388	8,598	7,432	7,415



CARTA 1.9 : KEMALANGAN, PERATUS KECEDEeraan DAN KEMATIAN DISEBABKAN KEMALANGAN JALAN RAYA, MALAYSIA, 2007-2016

Chart 1.9 : Total Accidents, Percentage of Casualties and Deaths Caused by Road Accidents, Malaysia, 2007-2016



	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Kemalangan / Accidents	363,319	373,071	397,330	414,421	449,040	462,423	477,204	476,196	489,606	521,466
% Mati / % Death	1.73%	1.75%	1.70%	1.66%	1.53%	1.50%	1.45%	1.40%	1.36%	1.37%
% Parah / % Severe	2.55%	2.38%	2.23%	1.88%	1.41%	1.27%	0.96%	0.93%	0.91%	0.86%
% Ringan / % Minor	5.08%	4.53%	3.98%	3.29%	2.75%	2.52%	1.76%	1.81%	1.76%	1.42%



A world map with a grid of dots and dashed lines representing rail routes. A dark grey diagonal bar is on the left side. The text is centered over the map.

PENGANGKUTAN DARAT: REL

Land Transport: Rail

JADUAL 2.1 : STATISTIK TRAFIK KERETAPI TANAH MELAYU BERHAD (RTMB), 2007-2016

Table 2.1 : Malayan Railways Limited Traffic Statistics, 2007-2016

TAHUN Year	PERKHIDMATAN KERETAPI <i>Rail Services</i>					RTM KOMUTER <i>KTM Commuter</i>		ETS		
	PENUMPANG <i>Passenger</i>		BARANGAN <i>Freight</i>		KONTENA <i>Container</i>	PENUMPANG <i>Passenger</i>		PENUMPANG <i>Passenger</i>		
	BIL No (' 000)	KM PENUMPANG <i>Passenger</i> Km (' 000,000)	TONNE Tonnes (' 000)	TONNE KM Tonnes Km (' 000,000)	TEU Teus	BIL No (' 000)	RINGGIT MALAYSIA Malaysia Ringgit (RM)	BIL No (' 000)	KM PENUMPANG <i>Passenger</i> Km (' 000,000)	RINGGIT MALAYSIA Malaysia Ringgit (RM)
2007	3,714	1,310	4,670	1,355	333,688	36,959	89,199,445	*	*	*
2008	3,974	1,468	4,824	1,350	203,939	36,557	88,621,721	*	*	*
2009	4,267	1,521	5,230	1,384	266,722	34,683	83,145,452	*	*	*
2010	4,216	1,529	5,431	1,483	238,251	34,995	82,631,250	215	53	5,569,532
2011	3,686	1,426	5,914	1,535	282,352	35,510	82,860,126	913	226	24,313,451
2012	3,056	1,216	6,096	1,564	331,870	34,847	79,268,057	1,180	276	31,885,949
2013	2,703	1,081	6,622	1,760	343,395	43,942	105,250,159	1,563	371	40,621,860
2014	2,223	618	7,136	1,741	318,033	46,957	112,853,011	1,692	323	44,328,039
2015	2,014	428	6,205	1,474	283,063	49,690	120,541,289	2,059	441	60,314,988
2016	2,791	272	5,991	1,349	331,901	41,469	151,530,125	3,565	966	145,521,561

SUMBER: KERETAPI TANAH MELAYU BERHAD (RTMB)

Source: Malayan Railways Limited



JADUAL 2.2 : BILANGAN PENUMPANG DAN KILOMETER PENUMPANG MENGIKUT KELAS, 2007-2016

Table 2.2 : Number of Passengers and Passenger Kilometres by Classes, 2007-2016

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
2007	98.0	1,444.0	2,172.0	3,714.0	47.0	652.0	611.0	1,310.0
2008	123.0	1,690.0	2,161.0	3,974.0	57.0	756.0	655.0	1,468.0
2009	114.0	2,014.0	2,139.0	4,267.0	50.0	829.0	642.0	1,521.0
2010	121.5	2,224.4	1,870.6	4,216.5	51.3	955.0	522.6	1,528.9
2011	134.0	2,199.6	1,351.6	3,685.2	59.8	1,010.6	355.3	1,425.6
2012	134.6	1,943.5	977.9	3,056.0	59.1	911.7	245.3	1,216.1
2013	124.4	1,857.2	721.2	2,702.8	52.0	856.3	172.6	1,080.9
2014	119.6	1,574.8	528.3	2,222.7	33.7	494.1	90.0	617.8
2015	81.4	1,678.5	254.8	2,014.7	24.7	346.5	56.5	427.7
2016	17.8	2,498.7	275.2	2,791.7	5.6	231.5	35.1	272.2

SUMBER: KERETAPI TANAH MELAYU BERHAD (KTMB)

Source: Malayan Railways Limited



JADUAL 2.3 : BILANGAN PENUMPANG DAN KILOMETER PENUMPANG BAGI PERKHIDMATAN KERETAPI EKSPRES, 2007-2016

Table 2.3 : Number of Passengers and Passenger Kilometres for Express Services, 2007-2016

TAHUN Year	EKSPRESS / Express RARYAT								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)			
	RELAS SATU First Class	RELAS DUA Second Class	RELAS TIGA Third Class	JUMLAH Total	RELAS SATU First Class	RELAS DUA Second Class	RELAS TIGA Third Class	JUMLAH Total	RELAS SATU First Class	RELAS DUA Second Class	RELAS TIGA Third Class	JUMLAH Total	RELAS SATU First Class	RELAS DUA Second Class	RELAS TIGA Third Class	JUMLAH Total
2007	30.0	228.0	-	258.0	9.0	52.0	-	61.0	29.0	205.0	13.0	247.0	6.0	42.0	2.0	50.0
2008	51.0	322.0	-	373.0	22.0	136.0	-	158.0	34.0	212.0	22.0	268.0	12.0	84.0	8.0	104.0
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	-	-	-	-	-	-	-	-
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)			
	RELAS SATU First Class	RELAS DUA Second Class	RELAS TIGA Third Class	JUMLAH Total	RELAS SATU First Class	RELAS DUA Second Class	RELAS TIGA Third Class	JUMLAH Total	RELAS SATU First Class	RELAS DUA Second Class	RELAS TIGA Third Class	JUMLAH Total	RELAS SATU First Class	RELAS DUA Second Class	RELAS TIGA Third Class	JUMLAH Total
2007	11.0	184.0	387.0	582.0	3.0	47.0	62.0	112.0	7.0	149.0	299.0	455.0	2.0	43.0	92.0	137.0
2008	12.0	208.0	407.0	627.0	6.0	98.0	136.0	240.0	11.0	165.0	307.0	483.0	5.0	89.0	166.0	260.0
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	-	-	-	-	-	-	-	-

SUMBER: KERETAPI TANAH MELAYU BERHAD (RTMB)

Source: Malayan Railways Limited



JADUAL 2.3 : BILANGAN PENUMPANG DAN KILOMETER PENUMPANG BAGI PERKHIDMATAN KERETAPI EKSPRES, 2007-2016 (SAMB.)

Table 2.3 : Number of Passengers and Passenger Kilometres for Express Services, 2007-2016 (Cont'd)

TAHUN Year	EKSPRES / Express SENANDUNG SUMATERA								EKSPRES / Express TIMURAN							
	BILANGAN PENUMPANG Number of Passengers ('000)				KILOMETER PENUMPANG Passenger KM ('000,000)				BILANGAN PENUMPANG Number of Passengers ('000)				KILOMETER PENUMPANG Passenger KM ('000,000)			
	RELAS SATU First Class	RELAS DUA Second Class	RELAS TIGA Third Class	JUMLAH Total	RELAS SATU First Class	RELAS DUA Second Class	RELAS TIGA Third Class	JUMLAH Total	RELAS SATU First Class	RELAS DUA Second Class	RELAS TIGA Third Class	JUMLAH Total	RELAS SATU First Class	RELAS DUA Second Class	RELAS TIGA Third Class	JUMLAH Total
2007	11.0	184.0	387.0	582.0	3.0	47.0	62.0	112.0	7.0	149.0	299.0	455.0	2.0	43.0	92.0	137.0
2008	12.0	208.0	407.0	627.0	6.0	98.0	136.0	240.0	11.0	165.0	307.0	483.0	5.0	89.0	166.0	260.0
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

SUMBER: KERETAPI TANAH MELAYU BERHAD (KTMB)

Source: Malayan Railways Limited

Nota: Ekspres Rakyat, Ekspres Langkawi dan Ekspres Senandung Sumatera 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, 2007-2016

Table 2.4 : Freight Traffic by Type of Cargo, 2007-2016

JENIS KARGO / Type of Cargo	(' 000)	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
SIMEN & KLINKER Cement & Clinker	Tonne	1,355	1,474	1,704	1,814	2,224	2,353	2,594	2,358	2,166	1,870
	t km	356,299	390,869	531,335	605,926	732,170	800,581	926,262	794,218	709,409	561,405
KONTENA PERKAPALAN Maritime Container	Tonne	2,222	2,272	2,603	2,588	2,702	2,691	2,864	3,776	3,157	3,138
	t km	507,900	490,127	455,843	408,893	383,866	390,237	406,723	633,616	532,817	543,274
LANDBRIDGE Landbridge	Tonne	122	105	55	39	26	19	19	88	131	186
	t km	56,701	72,286	15,710	17,189	22,954	25,724	30,512	53,258	46,216	60,303
PETROL & MINYAK GALIAN Petrol & Mineral Oil	Tonne	75	45	-	-	-	-	-	-	-	-
	t km	23,964	13,935	-	-	-	-	-	-	-	-
MAKANAN & MINUMAN PROSES Processed Food & Drink	Tonne	421	433	476	487	459	417	413	418	421	431
	t km	323,857	315,429	319,811	308,923	221,428	168,725	169,418	187,878	161,968	150,592
BERAS, PADI & BRAN Rice, Paddy & Bran	Tonne	-	-	-	-	-	-	-	-	-	-
	t km	-	-	-	-	-	-	-	-	-	-
GETAH Rubber	Tonne	-	-	-	-	-	-	-	-	-	-
	t km	-	-	-	-	-	-	-	-	-	-
GETAH CECAIR Latex	Tonne	-	-	-	-	-	-	-	-	-	-
	t km	-	-	-	-	-	-	-	-	-	-
KAYU BALAK Logs	Tonne	-	-	-	-	-	-	-	-	-	-
	t km	-	-	-	-	-	-	-	-	-	-
KAYU GERGAJI Sawn Timber	Tonne	-	-	-	-	-	-	-	-	-	-
	t km	-	-	-	-	-	-	-	-	-	-
BIJIH & LAIN-LAIN GALIAN Ore & Other Minerals	Tonne	10	11	6	2	0	-	-	-	-	-
	t km	182	1,573	102	38	2	-	-	-	-	-
KIMIA Chemicals	Tonne	386	347	259	298	287	337	341	377	327	348
	t km	23,611	21,935	18,390	22,422	19,770	19,774	21,047	25,256	21,838	23,423
MINYAK MAKAN Edible Oil	Tonne	-	-	-	-	-	-	-	-	-	-
	t km	-	-	-	-	-	-	-	-	-	-
LAIN-LAIN Others	Tonne	166	138	130	204	216	279	390	118	4	17
	t km	62,723	44,244	42,916	119,294	155,284	159,253	205,671	47,236	2,109	10,379
JUMLAH Total	Tonne	4,757	4,825	5,233	5,432	5,915	6,096	6,621	7,135	6,206	5,991
	t km	1,355,237	1,350,398	1,384,107	1,482,685	1,535,474	1,564,294	1,759,633	1,741,462	1,474,357	1,349,376

SUMBER: KERETAPI TANAH MELAYU BERHAD (KTMB)

Source: Malayan Railways Limited



JADUAL 2.5 : JUMLAH HASIL BARANGAN MENGIKUT JENIS KARGO, 2007-2016

Table 2.5 : Goods Revenue by Type of Cargo, 2007-2016

RM '000

JENIS KARGO / Type of Cargo	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
SIMEN & KLINKER Cement & Clinker	24,345	26,200	29,350	32,421	41,627	45,036	50,722	55,807	58,482	46,593
KONTENA PERKAPALAN Maritime Container	46,520	43,871	47,583	47,217	48,132	48,324	52,607	56,453	55,688	58,585
LANDBRIDGE Landbridge	25,846	20,500	13,644	8,054	5,610	5,367	4,072	4,892	5,740	10,929
PETROL & MINYAK GALIAN Petrol & Mineral Oil	2,866	1,710	-	-	-	-	-	-	-	-
MARANAN & MINUMAN PROSES Processed Food & Drink	11,770	11,706	12,047	12,436	12,232	10,743	10,606	12,764	12,027	11,183
BERAS, PADI & BRAN Rice, Paddy & Bran	-	-	-	-	-	-	-	-	-	-
GETAH Rubber	-	-	-	-	-	-	-	-	-	-
GETAH CECAIR Latex	-	-	-	-	-	-	-	-	-	-
KAYU BALAK Logs	-	-	-	-	-	-	-	-	-	-
KAYU GERGAJI Sawn Timber	-	-	-	-	-	-	-	-	-	-
BIJIH & LAIN-LAIN GALIAN Ore & Other Minerals	98	99	72	23	1	-	-	-	-	-
KIMIA Chemicals	5,139	4,592	3,064	3,653	3,460	3,959	4,678	5,269	4,255	6,667
MINYAK MAKAN Edible Oil	-	-	-	-	-	-	-	-	-	-
LAIN-LAIN Others	5,188	6,418	9,763	12,291	13,625	13,555	15,714	11,920	13,835	13,255
JUMLAH Total	121,772	115,096	115,523	116,095	124,687	126,984	138,399	147,105	150,027	147,212

SUMBER: KERETAPI TANAH MELAYU BERHAD (KTMB)

Source: Malayan Railways Limited



JADUAL 2.6 : DAFTAR LOKOMOTIF, 2007-2016

Table 2.6 : Locomotive Inventory, 2007-2016

TAHUN Year	LALUAN UTAMA Mainline								TREN SET ELEKTRIK Electric Train Set				ENJIN LANGSIR Shunting				JUMLAH Total
	HIDRAULIK KELAS 21 Class 21 Hydraulic	KELAS Class 22	KELAS Class 23	KELAS Class 24	KELAS Class 25	KELAS Class 26	KELAS Class 29	JUMLAH Total	RELKAR (RELBAS) Rail-Car (Rail-Bus)	SET EMU Sets	SET ETS Sets	JUMLAH Total	LETRIK KELAS 15 Class 15 Electric	HIDRAULIK KELAS 16/17 Class 16/17 Hydraulic	LETRIK KELAS 18 Class 18 Electric	LETRIK KELAS 19 Class 19 Electric	
2007	-	5.0	11.0	26.0	17.0	20.0	-	79	-	58.0	-	58	-	-	-	10.0	10
2008	-	5.0	11.0	21.0	17.0	20.0	-	74	-	54.0	-	54	-	-	-	10.0	10
2009	-	4.0	11.0	18.0	17.0	20.0	20.0	90	-	58.0	-	58	-	-	-	10.0	10
2010	-	-	7.0	18.0	17.0	20.0	20.0	82	-	58.0	-	58	-	-	-	10.0	10
2011	-	-	7.0	18.0	17.0	20.0	20.0	82	-	67.0	5.0	72	-	-	-	10.0	10
2012	-	-	7.0	18.0	17.0	20.0	20.0	82	-	60.0	5.0	65	-	-	-	1.0	1
2013	-	-	7.0	18.0	17.0	20.0	20.0	82	-	50.0	5.0	55	-	-	-	0.0	-
2014	-	-	7.0	17.0	17.0	20.0	20.0	81	-	96.0	5.0	101	-	-	-	4.0	4
2015	-	-	6.0	16.0	17.0	20.0	20.0	79	-	57.0	5.0	62	-	-	-	6.0	6
2016	-	-	6.0	16.0	17.0	20.0	20.0	79	-	57.0	15.0	72	-	-	-	6.0	6

SUMBER: KERETAPI TANAH MELAYU BERHAD (KTMB)

Source: Malayan Railways Limited



JADUAL 2.7 : DAFTAR ROC PENUMPANG, 2007–2016

Table 2.7 : Passenger Coaches Inventory, 2007–2016

YEAR Year	PERJALANAN SIANG Day Travel				PERJALANAN MALAM/SIANG Night/Day Travel				LAIN-LAIN Others				JUMLAH Total			
	BILANGAN ROC Number of Coaches	JUMLAH TEMPAT DUDUK Number of Seats			BILANGAN ROC Number of Coaches	JUMLAH TEMPAT DUDUK Number of Seats			BILANGAN ROC Number of Coaches	JUMLAH TEMPAT DUDUK Number of Seats			BILANGAN ROC 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
2007	40	288	1,456	296	96	112	2,768	2,220	-	-	-	-	136	400	4,224	2,516
2008	135	360	3,224	4,440	125	88	1,480	-	37	6	-	300	297	454	4,704	4,740
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

SUMBER: KERETAPI TANAH MELAYU BERHAD (KTMB)

Source: Malayan Railways Limited



JADUAL 2.8 : DAFTAR GERABAK BARANG, 2007–2016

Table 2.8 : Freight Wagon Inventory, 2007–2016

TAHUN Year	GERABAK TERTUTUP Covered Wagons	GERABAK TEBING TINGGI High Side Wagons	GERABAK TEBING RENDAH Low Side Wagons	GERABAK TANGKI Tank Wagons				GERABAK BOLSTER Bolster Wagons	GERABAK TERNARAN Livestock Wagons	LAIN-LAIN GERABAK Other Wagons	JUMLAH Total
				PETROLEUM Petroleum	MINYAK SAWIT Palm Oil	GETAH CECAIR Latex	AMMONIA Ammonia				
2007	243	2	231	107	-	2	12	1,765	3	1,231	3,596
2008	244	2	234	116	-	2	12	1,901	3	1,097	3,611
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

SUMBER: KERETAPI TANAH MELAYU BERHAD (KTMB)

Source: Malayan Railways Limited



JADUAL 2.9 : BILANGAN PENUMPANG BAGI PERKHIDMATAN SISTEM ALIRAN RINGAN, 2007-2016*Table 2.9 : Number of Passengers for Light Rail Transit (LRT) Services, 2007-2016*

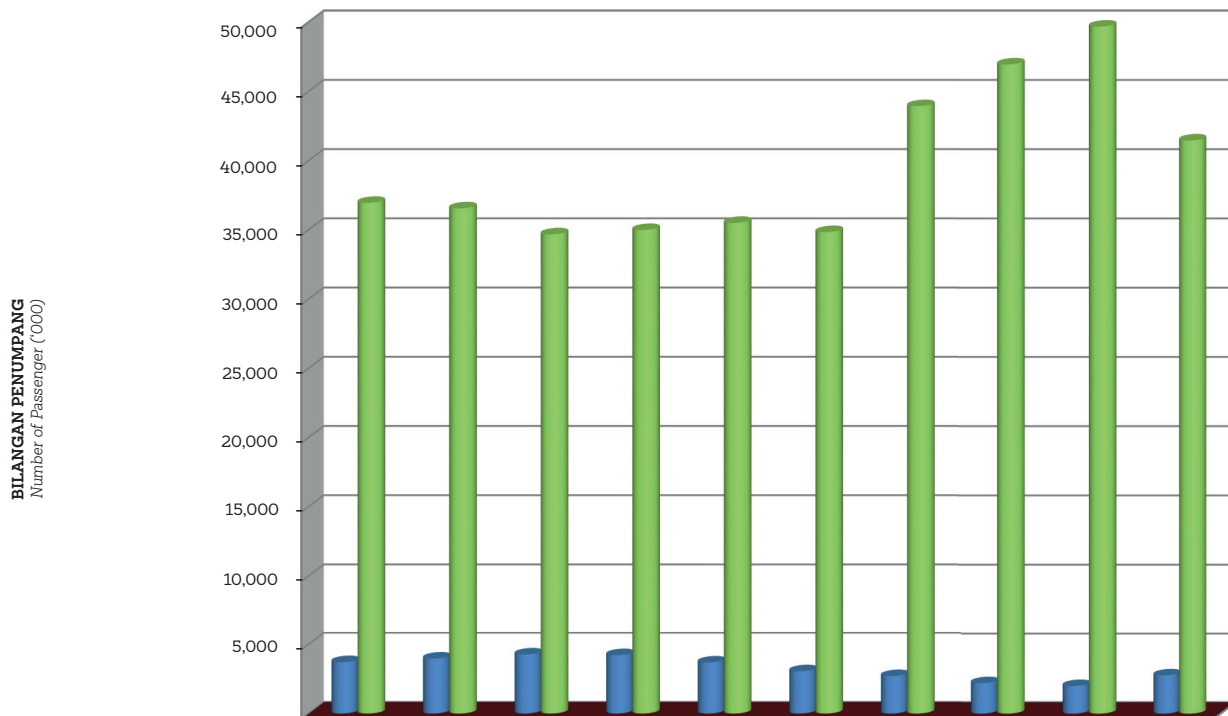
JENIS PERKHIDMATAN Type of Services	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
LALUAN RELANA JAYA	56,965,258	58,168,337	55,580,190	58,037,633	68,398,561	71,574,675	78,702,931	81,971,322	82,144,674	79,002,829
LALUAN AMPANG	52,434,883	51,009,480	49,375,077	51,572,177	53,568,672	56,809,978	60,207,397	63,270,432	62,809,412	59,192,907
KL MONORAIL	22,197,169	21,765,233	21,021,390	22,108,308	24,200,299	24,435,931	25,437,621	24,303,465	25,067,866	21,990,242
KLIA EKSPRES	1,780,384	1,578,706	1,419,827	1,508,734	1,581,476	1,649,410	2,063,419	2,928,302	3,470,710	2,419,883
KLIA TRANSIT	2,449,842	2,508,884	2,441,736	2,626,119	3,238,389	3,713,536	4,374,219	6,310,323	6,496,617	6,485,272

SUMBER / Source : Prasarana Malaysia Berhad, Express Rail Link Sdn Bhd



Carta 2.1 : BILANGAN PENUMPANG RTMB DAN KTM KOMUTER BAGI PERKHIDMATAN KERETAPI TANAH MELAYU BERHAD, 2007-2016

Chart 2.1 : Number of RTMB and Commuter Passengers for Malayan Railways Limited, 2007-2016

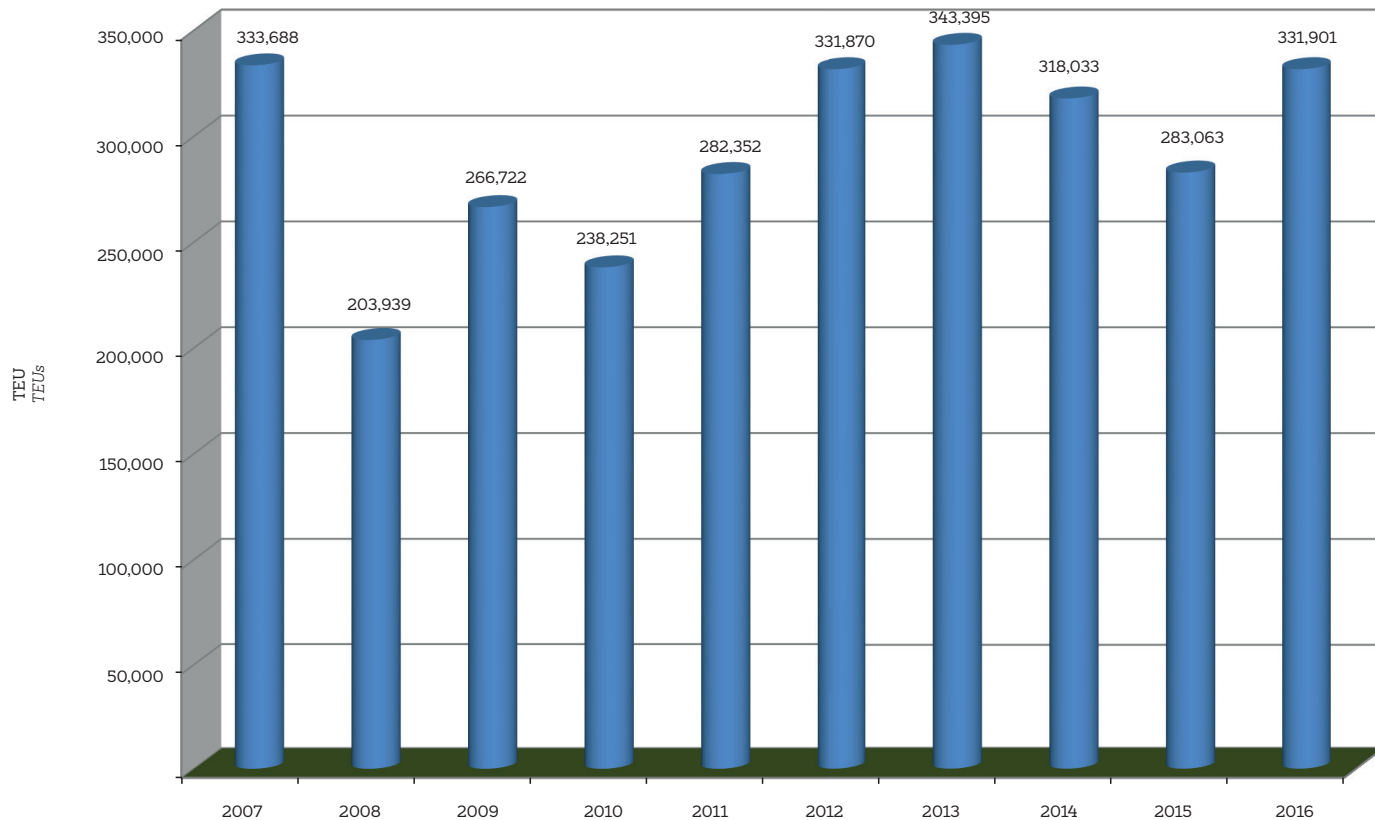


	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
■ Penumpang RTMB / RTMB Passenger	3,714	3,974	4,267	4,216	3,686	3,056	2,703	2,223	2,014	2,791
■ Penumpang Komuter / Commuter Passenger	36,959	36,557	34,683	34,995	35,510	34,847	43,942	46,957	49,690	41,469



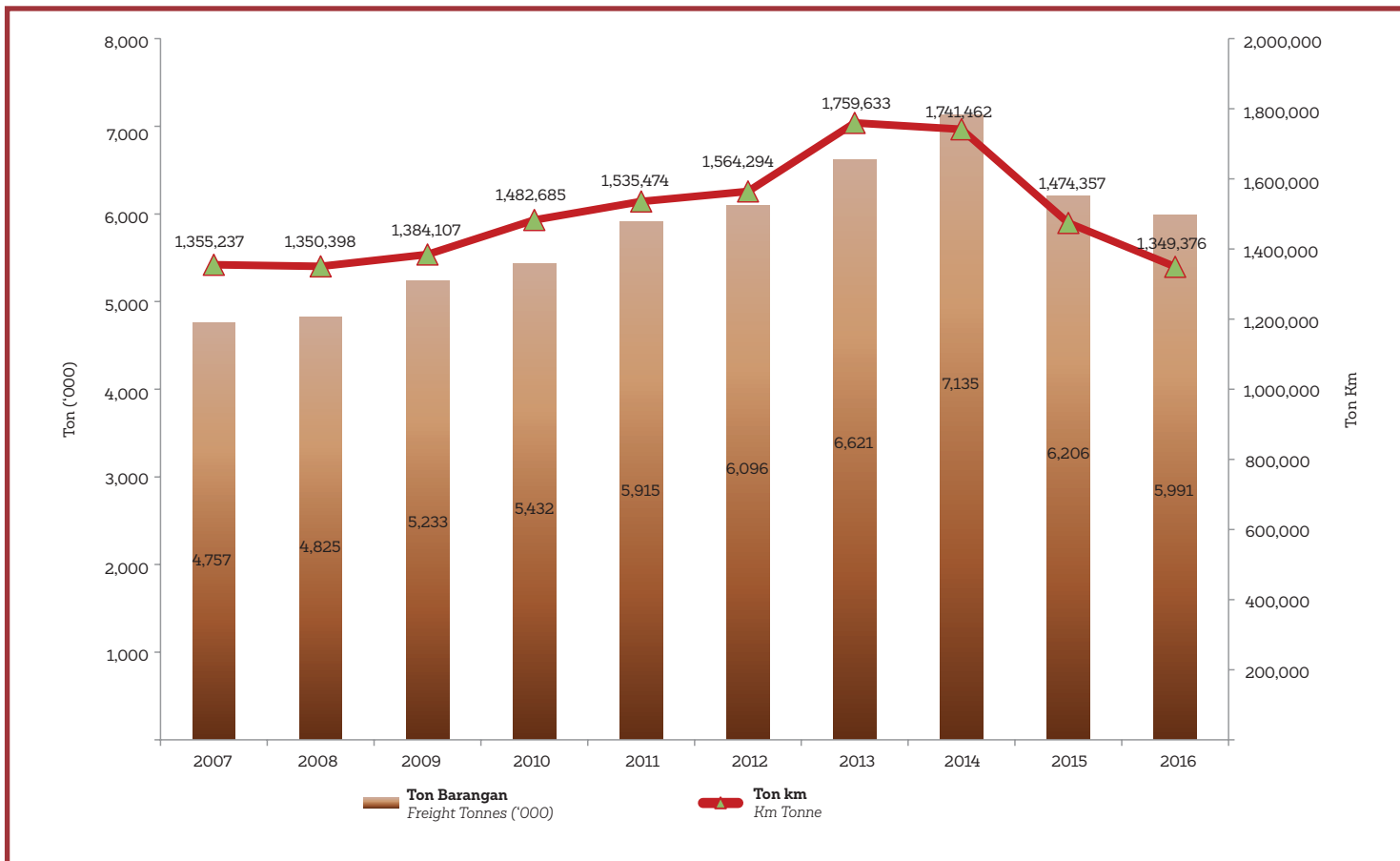
CARTA 2.2 : JUMLAH KONTERNA YANG DIKENDALIKAN KERETA API TANAH MELAYU BERHAD, 2007-2016

Chart 2.2 : Total Container Handled by Malayan Railways Limited, 2007-2016



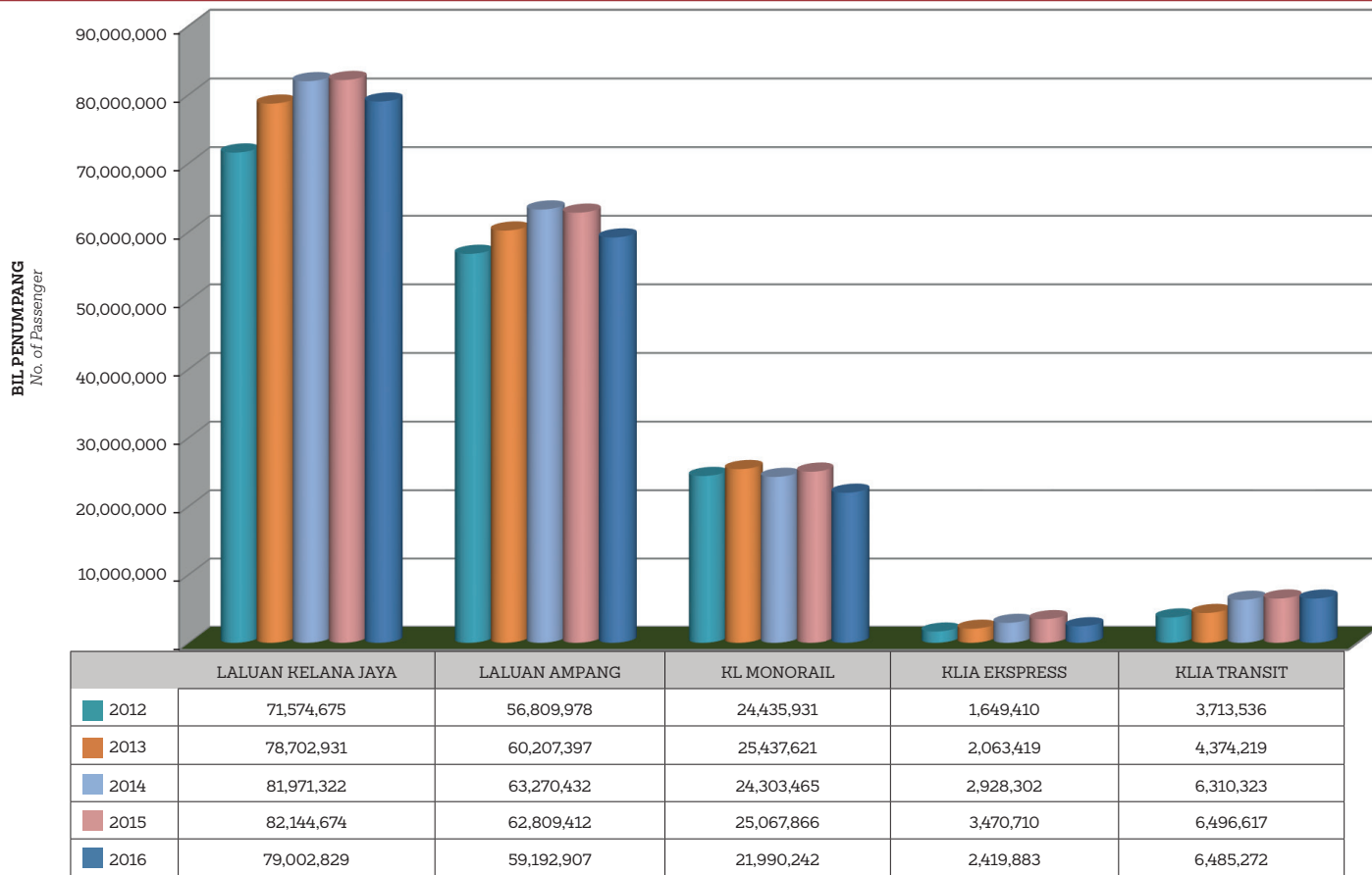
CARTA 2.3 : TRAFIK BARANGAN BAGI PERKHIDMATAN KERETAPI TANAH MELAYU BERHAD (RTMB), 2007-2016

Chart 2.3 : Freight Traffic for Malayan Railways Limited, 2007-2016



CARTA 2.4 : BILANGAN PENUMPANG BAGI PERKHIDMATAN SISTEM ALIRAN RINGAN, 2012-2016

Chart 2.4 : Number of Passengers for Light Rail Transit (LRT) Services, 2012-2016



The background features a world map with a grid of dots and dashed lines representing shipping routes. A diagonal grey bar with a fine grid pattern is positioned on the left side. The text is centered over the map.

PENGANGKUTAN MARITIM

Maritime Transport

JADUAL 3.1 : JUMLAH KARGO YANG DIKENDALIKAN MENGIKUT PELABUHAN, MALAYSIA, 2007-2016

Table 3.1 : Total Cargo Throughput by Ports, Malaysia, 2007-2016

('000) FREIGHTWEIGHT TONNES

BIL No	PELABUHAN Ports		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	
1	RELANG	EKSPORT Export	62,730	70,342	65,262	78,983	89,517	90,551	90,423	95,559	100,644	113,709	
		IMPORT Import	72,784	82,007	72,353	91,773	104,651	107,356	109,855	121,730	119,142	131,748	
		PINDAH KAPAL Trans-shipment	-	-	-	73	-	-	-	-	-	-	-
		JUMLAH Total	135,514	152,349	137,615	170,829	194,168	197,907	200,278	217,289	219,786	245,457	
2	PULAU PINANG	EKSPORT Export	12,524	10,707	10,531	12,434	12,870	12,894	12,934	12,865	13,024	13,816	
		IMPORT Import	14,698	14,967	13,251	15,861	15,899	15,918	16,497	16,421	16,676	16,482	
		PINDAH KAPAL Trans-shipment	269	325	496	551	620	515	650	761	614	679	
		JUMLAH Total	27,491	25,999	24,278	28,846	29,390	29,328	30,081	30,047	30,314	30,978	
3	JOHOR	EKSPORT Export	11,289	14,211	11,601	11,585	11,774	10,494	10,402	10,728	11,389	11,174	
		IMPORT Import	17,553	15,561	13,633	16,544	20,900	15,415	16,577	16,575	17,263	16,948	
		PINDAH KAPAL Trans-shipment	-	-	-	-	-	-	-	-	-	-	-
		JUMLAH Total	28,842	29,772	25,234	28,129	32,674	25,909	26,979	27,303	28,652	28,122	
4	KUANTAN	EKSPORT Export	6,188	5,574	6,835	8,050	11,073	12,021	15,099	17,001	36,255	12,149	
		IMPORT Import	3,877	3,831	3,438	4,030	4,133	4,043	4,233	4,365	3,775	4,192	
		PINDAH KAPAL Trans-shipment	-	-	-	-	-	-	-	-	-	-	-
		JUMLAH Total	10,065	9,405	10,273	12,079	15,207	16,064	19,332	21,367	40,030	16,341	

SUMBER: SEMUA PELABUHAN DAN JABATAN LAUT

Source: All Ports and Marine Department



JADUAL 3.1 : JUMLAH KARGO YANG DIKENDALIKAN MENGIKUT PELABUHAN, MALAYSIA, 2007-2016 (SAMB.)

Table 3.1 : Total Cargo Throughput by Ports, Malaysia, 2007-2016 (Cont'd)

(‘000) FREIGHTWEIGHT TONNES

BIL No	PELABUHAN Ports		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
5	BINTULU	EKSPORT Export	31,255	34,724	33,302	34,777	36,138	35,134	37,652	38,149	37,463	38,310
		IMPORT Import	2,833	3,446	3,128	3,854	4,252	4,888	4,824	5,644	5,824	6,310
		PINDAH KAPAL Trans-shipment	4,497	2,301	2,014	1,995	1,313	1,136	1,329	1,602	1,450	1,379
		JUMLAH Total	38,585	40,471	38,444	40,625	41,703	41,158	43,805	45,395	44,737	45,999
6	TANJUNG BRUAS	EKSPORT Export	-	14	25	37	82	115	177	144	44	84
		IMPORT Import	606	543	437	414	361	304	301	299	479	561
		PINDAH KAPAL Trans-shipment	-	-	-	-	-	-	-	-	-	-
		JUMLAH Total	606	557	463	451	443	420	477	443	523	645
7	RUCHING	EKSPORT Export	2,343	2,136	1,815	2,144	2,148	1,875	2,183	2,284	2,529	2,260
		IMPORT Import	5,272	5,347	5,077	6,069	6,532	7,314	7,395	6,851	6,800	6,902
		PINDAH KAPAL Trans-shipment	32	68	-	-	-	-	-	-	-	-
		JUMLAH Total	7,647	7,551	6,892	8,213	8,679	9,189	9,578	9,134	9,329	9,162
8	MIRI	EKSPORT Export	6,318	6,155	5,028	5,410	4,908	4,823	5,563	5,226	4,701	4,494
		IMPORT Import	521	684	605	746	865	842	866	697	579	590
		PINDAH KAPAL Trans-shipment	-	-	-	-	-	-	-	-	-	-
		JUMLAH Total	6,839	6,839	5,633	6,156	5,773	5,665	6,429	5,923	5,280	5,086

SUMBER: SEMUA PELABUHAN DAN JABATAN LAUT

Source: All Ports and Marine Department



JADUAL 3.1 : JUMLAH KARGO YANG DIKENDALIKAN MENGIKUT PELABUHAN, MALAYSIA, 2007-2016 (SAMB.)

Table 3.1 : Total Cargo Throughput by Ports, Malaysia, 2007-2016 (Cont'd)

(‘000) FREIGHTWEIGHT TONNES

BIL. No	PELABUHAN Ports		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	
9	RAJANG	EKSPORT Export	3,433	3,404	3,191	3,506	3,225	1,649	613	453	374	298	
		IMPORT Import	1,540	1,604	1,546	1,680	1,825	1,614	1,513	1,325	1,150	1,109	
		PINDAH KAPAL Trans-shipment	-	-	-	-	-	-	-	-	-	-	-
		JUMLAH Total	4,973	5,008	4,737	5,186	5,050	3,263	2,126	1,778	1,524	1,407	
10	SABAH	EKSPORT Export	16,493	16,493	14,095	14,963	14,595	13,852	13,931	14,308	15,101	21,692	
		IMPORT Import	12,660	12,660	10,675	13,427	13,340	13,851	13,487	14,064	12,744	11,850	
		PINDAH KAPAL Trans-shipment	-	-	-	-	-	-	-	-	-	-	-
		JUMLAH Total	29,153	29,153	24,770	26,855	27,936	27,703	27,418	28,372	27,844	33,542	
11	PORT DICKSON	EKSPORT Export	4,302	3,047	3,072	2,372	2,114	2,613	2,928	2,470	2,331	2,064	
		IMPORT Import	8,493	8,810	10,976	10,285	11,256	11,755	10,179	9,542	11,714	11,711	
		PINDAH KAPAL Trans-shipment	-	-	-	-	-	-	-	-	-	-	-
		JUMLAH Total	12,795	11,857	14,048	12,657	13,370	14,368	13,107	12,013	14,045	13,774	
12	KEMAMAN	EKSPORT Export	1,806	1,713	1,834	1,944	2,062	3,432	2,506	2,655	3,524	3,694	
		IMPORT Import	1,992	2,200	1,889	2,364	1,936	3,249	1,853	2,208	2,956	2,129	
		PINDAH KAPAL Trans-shipment	-	-	-	-	-	-	-	-	-	-	-
		JUMLAH Total	3,798	3,913	3,723	4,308	3,998	6,681	4,359	4,864	6,480	5,824	

SUMBER: SEMUA PELABUHAN DAN JABATAN LAUT

Source: All Ports and Marine Department



JADUAL 3.1 : JUMLAH KARGO YANG DIKENDALIKAN MENGIKUT PELABUHAN, MALAYSIA, 2007-2016 (SAMB.)

Table 3.1 : Total Cargo Throughput by Ports, Malaysia, 2007-2016 (Cont'd)

(‘000) FREIGHTWEIGHT TONNES

BIL No	PELABUHAN Ports		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	
13	TELUK EWA	EKSPORT Export	3,208	3,379	3,381	3,223	3,057	3,237	3,473	3,059	2,794	2,927	
		IMPORT Import	555	744	637	729	788	696	706	717	596	516	
		PINDAH KAPAL Trans-shipment	-	-	-	-	-	-	-	-	-	-	-
		JUMLAH Total	3,763	4,123	4,019	3,952	3,845	3,933	4,180	3,776	3,391	3,443	
14	TANJUNG PELEPAS	EKSPORT Export	2,926	3,349	3,322	3,587	4,727	5,187	5,178	5,393	5,484	5,547	
		IMPORT Import	754	1,378	1,312	1,224	1,259	1,412	1,584	1,823	1,988	2,134	
		PINDAH KAPAL Trans-shipment	80,470	83,228	90,521	95,154	109,474	112,392	115,905	126,825	130,994	121,661	
		JUMLAH Total	84,150	87,955	95,155	99,965	115,459	118,991	122,667	134,040	138,466	129,342	
JUMLAH BESAR Grand Total		EKSPORT Export	164,815	175,248	163,295	183,014	198,290	197,878	203,063	210,295	235,657	232,219	
		IMPORT Import	144,138	153,782	138,957	169,000	187,997	188,656	189,868	202,260	201,686	213,182	
		PINDAH KAPAL Trans-shipment	85,268	85,922	93,031	97,774	111,407	114,043	117,884	129,188	133,058	123,719	
		JUMLAH Total	394,221	414,952	395,284	449,787	497,695	500,578	510,815	541,744	570,401	569,120	

SUMBER: SEMUA PELABUHAN DAN JABATAN LAUT

Source: All Ports and Marine Department



JADUAL 3.2 : JUMLAH KARGO YANG DIKENDALIKAN MENGIKUT PELABUHAN DAN JENIS, MALAYSIA, 2016

Table 3.2 : Total Cargo Throughput by Ports and Type, Malaysia, 2016

(*000) FREIGHTWEIGHT TONNES

PELABUHAN Ports	PUKAL KERING Dry Bulk		PUKAL CECAIR Liquid Bulk		KARGO AM General Cargo		JUMLAH Total	KARGO DI DALAM KONTENA Containerised Cargo	JUMLAH BESAR Grand Total
	PERDAGANGAN LUAR NEGERI Foreign Trade	PERDAGANGAN DALAM NEGERI Local Trade	PERDAGANGAN LUAR NEGERI Foreign Trade	PERDAGANGAN DALAM NEGERI Local Trade	PERDAGANGAN LUAR NEGERI Foreign Trade	PERDAGANGAN LUAR NEGERI Foreign Trade			
KELANG	10,068	1,156	4,487	2,279	5,685	3,300	26,975	218,482	245,457
PULAU PINANG	507	3,285	499	3,864	442	1,370	9,967	21,011	30,978
JOHOR	-	-	-	-	-	-	28,122	-	28,122
KUANTAN	8,357	15	2,459	1,202	1,560	95	13,687	2,653	16,341
BINTULU	4,193	420	29,550	5,120	1,953	173	41,409	4,590	45,999
TANJUNG BRUAS	146	-	19	4	475	-	645	-	645
KUCHING	662	23	567	451	1,230	1,073	4,007	5,155	9,162
MIRI	675	1,017	470	2,517	406	-	5,086	-	5,086
RAJANG	10	-	5	30	65	65	175	1,232	1,407
SABAH	-	-	-	-	-	-	33,542	-	33,542
PORT DICKSON	154	-	5,607	4,327	3,687	-	13,774	-	13,774
KEMAMAN	2,054	42	3,429	249	50	1	5,824	-	5,824
TELOK EWA	2,927	436	-	80	-	-	3,443	-	3,443
TANJUNG PELEPAS	-	-	-	-	-	-	-	129,342	129,342
JUMLAH Total	29,753	6,394	47,091	20,124	15,553	6,077	186,655	382,465	569,120

SUMBER: SEMUA PELABUHAN DAN JABATAN LAUT

Source: All Ports and Marine Department



JADUAL 3.3 : BARANGAN YANG DIISI MENGIKUT PELABUHAN DAN JENIS, MALAYSIA, 2016

Table 3.3 : Commodities Loaded by Ports And Types, Malaysia, 2016

('000) FREIGHTWEIGHT TONNES

PELABUHAN Ports	MINYAK RELAPA SAWIT Palm Oil	BUANGAN ISI SAWIT Palm Kernel Waste	PETROLEUM & MINYAK PEMBAKAR Petroleum & Fuel Oil	GAS ASLI CECAIR Liquefied Natural Gas	GAS PETROLEUM CAIR Liquefied Petroleum Gas	RAYU RAYAN PROSES Processed Timber	RAYU BALAK Logs	BIJIRIN Grains/ Cereals	BESI/ BESI WAJAJ Iron/ Steel	BAHAN KIMIA/ BAJA Chemical/ Fertilizer	GETAH & SUSU GETAH Rubber & Latex	SIMEN/ KLINKER Cement/ Clinker	BIJIH & GALIAN Ore & Mineral	LAIN- LAIN Others	JUMLAH Total
KELANG	591	353	2	-	-	18	31	-	306	43	-	-	29	112,336	113,709
PULAU PINANG	285	-	-	-	-	1,241	-	-	343	1,039	2,530	-	-	8,378	13,816
JOHOR	2,864	332	1,474	-	-	-	-	-	26	574	-	-	-	5,904	11,174
KUANTAN	603	128	22	-	-	66	-	-	-	868	-	-	6,895	3,566	12,149
BINTULU	3,630	510	4,567	25,245	20	772	836	-	-	-	-	21	-	2,709	38,310
TANJUNG BRUAS	-	-	-	-	-	-	-	-	33	-	-	-	-	51	84
KUCHING	255	-	0	-	-	237	-	6	86	34	24	5	-	1,613	2,260
MIRI	-	3,013	3	-	-	657	409	-	13	3	1	-	-	396	4,494
RAJANG	30	7	2	-	-	138	-	-	10	-	-	-	-	111	298
SABAH	-	-	-	-	-	-	-	-	-	-	-	-	-	21,692	21,692
PORT DICKSON	-	-	2,064	-	-	-	-	-	-	-	-	-	-	-	2,064
KEMAMAN	-	-	267	-	571	-	-	-	4	-	-	-	1,671	1,182	3,694
TELOK EWA	-	-	-	-	-	-	-	-	-	-	-	2,927	-	-	2,927
TANJUNG PELEPAS	611	-	-	-	-	-	-	-	136	662	207	-	-	3,931	5,547
JUMLAH Total	8,870	4,343	8,402	25,245	591	3,129	1,276	6	958	3,222	2,762	2,953	8,594	161,869	232,219

SUMBER: SEMUA PELABUHAN DAN JABATAN LAUT

Source: All Ports and Marine Department



JADUAL 3.4 : BARANGAN YANG DIPUNGGAH MENGIKUT PELABUHAN DAN JENIS, MALAYSIA, 2016

Table 3.4 : Commodities Unloaded by Ports And Types, Malaysia, 2016

('000) FREIGHTWEIGHT TONNES

PELABUHAN Ports	MINYAK KELAPA SAWIT Palm Oil	PETROLEUM & MINYAK PEMBAKAR Petroleum & Fuel Oil	BESI/ BESI WAJA Iron/ Steel	BIJIRIN Grains/ Cereals	GULA Sugar	BAHAN KIMIA/ BAJA Chemical/ Fertilizer	MESIN/ PERALATAN CKD Machinery/ Component CKD	KERTAS Paper Reels	KAIN Textiles	SIMEN/ KLINKER Cement/ Clinker	MAKANAN PROSES Processed Foodstuff	LAIN- LAIN Others	JUMLAH Total
KELANG	900	368	2,242	1,459	316	559	24	-	-	47	-	125,833	131,748
PULAU PINANG	150	3,220	1,385	1,700	1,077	548	1,107	604	139	-	269	6,285	16,482
JOHOR	1,505	3,401	783	955	-	2,750	-	-	-	1,871	-	5,683	16,948
KUANTAN	58	1,337	219	-	-	1,012	-	-	-	-	-	1,566	4,192
BINTULU	160	1,012	-	-	-	684	-	-	-	327	-	4,127	6,310
TANJUNG BRUAS	-	-	395	-	-	-	-	-	-	-	-	166	561
KUCHING	-	739	406	527	102	417	87	70	37	387	408	3,724	6,902
MIRI	-	53	45	-	1	30	35	12	0	-	-	414	591
RAJANG	-	30	93	21	10	87	112	24	27	-	229	476	1,109
SABAH	-	-	-	-	-	-	-	-	-	-	-	11,850	11,850
PORT DICKSON	-	-	-	-	-	-	-	-	-	-	-	11,711	11,711
KEMAMAN	-	-	5	-	-	-	-	-	-	-	-	2,124	2,129
TELOK EWA	-	-	-	-	-	-	-	-	-	-	-	516	516
TANJUNG PELEPAS	-	-	334	-	-	198	-	37	330	-	461	774	2,134
JUMLAH Total	2,772	10,160	5,907	4,662	1,506	6,283	1,365	747	534	2,632	1,366	175,248	213,182

SUMBER: SEMUA PELABUHAN DAN JABATAN LAUT

Source: All Ports and Marine Department



JADUAL 3.5 : JUMLAH KONTENA YANG DIKENDALIKAN MENGIKUT PELABUHAN, MALAYSIA, 2007-2016
Table 3.5 : Total Container Throughput By Ports, Malaysia, 2007-2016
TEUs

BIL No	PELABUHAN Ports		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
1	KELANG	EKSPORT Export	1474,193	1,598,544	1,478,354	1,718,845	1,720,542	1,821,995	1,860,613	1,942,773	1,979,828	2,063,736
		IMPORT Import	1,527,893	1,629,977	1,515,743	1,716,304	1,794,508	1,872,867	1,907,495	1,962,431	1,976,188	2,038,527
		PINDAH KAPAL Trans-shipment	4,116,628	4,745,058	4,315,682	5,436,596	6,088,876	6,306,633	6,582,299	7,040,600	7,930,669	9,107,314
		JUMLAH Total	7,118,714	7,973,579	7,309,779	8,871,745	9,603,926	10,001,495	10,350,407	10,945,804	11,886,685	13,209,577
2	PULAU PINANG	EKSPORT Export	488,254	487,049	450,999	532,936	570,500	565,516	593,785	594,255	612,993	681,463
		IMPORT Import	410,282	401,727	444,530	506,841	557,050	538,074	565,894	563,557	603,007	661,323
		PINDAH KAPAL Trans-shipment	27,455	28,855	62,947	66,321	74,629	62,143	78,034	107,900	101,352	94,334
		JUMLAH Total	925,991	917,631	958,476	1,106,098	1,202,179	1,165,733	1,237,713	1,265,712	1,317,352	1,437,120
3	JOHOR	EKSPORT Export	421,045	400,849	367,368	394,192	344,213	332,905	339,939	350,721	364,705	373,986
		IMPORT Import	363,672	374,281	334,140	371,463	349,632	350,826	380,055	383,407	408,481	428,793
		PINDAH KAPAL Trans-shipment	142,567	159,637	143,348	110,613	136,495	117,327	37,029	58,373	27,338	24,234
		JUMLAH Total	927,284	934,767	844,856	876,268	830,340	801,058	757,023	792,501	800,524	827,013
4	KUANTAN	EKSPORT Export	65,577	64,545	66,567	72,850	67,204	69,356	63,482	67,150	72,319	73,952
		IMPORT Import	61,892	61,936	65,320	69,134	64,943	66,726	62,746	63,902	68,360	67,687
		PINDAH KAPAL Trans-shipment	131	580	365	96	649	19	320	192	280	-
		JUMLAH Total	127,600	127,061	132,252	142,080	132,796	136,101	126,548	131,244	140,959	141,639

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


JADUAL 3.5 : JUMLAH KONTENA YANG DIKENDALIKAN MENGIKUT PELABUHAN, MALAYSIA, 2007-2016 (SAMB.)

Table 3.5 : Total Container Throughput By Ports, Malaysia, 2007-2016 (Cont'd)

TEUs

BIL No	PELABUHAN Ports		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
5	BINTULU	EKSPORT Export	62,320	78,645	68,926	74,600	70,707	84,809	89,986	94,434	86,669	99,703
		IMPORT Import	50,050	72,839	66,830	73,127	77,703	88,410	90,505	94,620	84,939	103,086
		PINDAH KAPAL Trans-shipment	139,430	138,683	112,634	103,569	67,041	57,834	69,862	81,441	72,091	74,322
		JUMLAH Total	251,800	290,167	248,390	251,296	215,451	231,053	250,353	270,495	243,699	277,111
6	KUCHING	EKSPORT Export	78,325	82,235	76,753	92,458	104,568	112,500	122,508	110,416	108,653	106,441
		IMPORT Import	84,143	87,836	82,677	94,631	103,441	108,141	108,492	109,222	111,541	113,198
		PINDAH KAPAL Trans-shipment	870	1,872	1,661	3,553	6,811	11,185	18,690	8,022	5,134	4,149
		JUMLAH Total	163,338	171,943	161,091	190,642	214,820	231,826	249,690	227,660	225,328	223,788
7	MIRI	EKSPORT Export	10,405	13,555	12,095	14,599	14,234	14,676	15,224	14,519	12,919	14,445
		IMPORT Import	10,754	14,530	13,007	15,174	17,605	16,823	18,723	18,373	16,458	16,266
		PINDAH KAPAL Trans-shipment	-	-	-	-	-	-	-	-	-	-
		JUMLAH Total	21,159	28,085	25,102	29,773	31,839	31,499	33,947	32,892	29,377	30,711
8	RAJANG	EKSPORT Export	32,823	37,698	31,679	39,278	43,861	43,653	34,181	29,830	28,081	23,496
		IMPORT Import	33,085	36,622	34,531	41,055	44,839	45,878	46,896	46,258	42,375	39,282
		PINDAH KAPAL Trans-shipment	-	-	-	-	-	-	-	-	-	-
		JUMLAH Total	65,908	74,320	66,210	80,333	88,700	89,531	81,077	76,088	70,456	62,778

SUMBER: SEMUA PELABUHAN DAN JABATAN LAUT

Source: All Ports and Marine Department



JADUAL 3.5 : JUMLAH KONTENA YANG DIKENDALIKAN MENGIKUT PELABUHAN, MALAYSIA, 2007-2016 (SAMB.)

Table 3.5 : Total Container Throughput By Ports, Malaysia, 2007-2016 (Cont'd)

TEUs

BIL No	PELABUHAN Ports		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
9	SABAH	EKSPORT Export	130,172	143,047	139,857	155,614	164,408	183,623	180,504	191,623	181,175	177,016
		IMPORT Import	133,035	144,156	136,063	156,961	168,511	183,656	183,984	193,362	180,100	179,055
		PINDAH KAPAL Trans-shipment	8,264	5,485	1,985	14,251	23,276	7,345	8,554	13,815	1,910	1,315
		JUMLAH Total	271,471	292,688	277,905	326,826	356,195	374,624	373,042	398,800	363,185	357,386
10	TANJUNG PELEPAS	EKSPORT Export	173,759	214,404	190,953	208,210	285,093	308,625	310,572	322,792	325,775	326,569
		IMPORT Import	51,574	97,383	105,655	102,457	131,904	139,333	132,231	143,886	147,848	157,233
		PINDAH KAPAL Trans-shipment	5,072,298	5,154,404	5,538,477	5,988,066	6,885,463	7,045,848	6,973,716	7,765,434	8,325,125	7,796,809
		JUMLAH Total	5,297,631	5,466,191	5,835,085	6,298,733	7,302,460	7,493,805	7,416,518	8,232,113	8,798,747	8,280,710
JUMLAH BESAR Grand Total		EKSPORT Export	2,936,873	3,120,571	2,883,551	3,303,582	3,385,330	3,537,658	3,610,794	3,718,513	3,773,117	3,940,807
		IMPORT Import	2,726,380	2,921,287	2,798,496	3,147,147	3,310,136	3,410,734	3,497,021	3,579,018	3,639,297	3,804,450
		PINDAH KAPAL Trans-shipment	9,507,643	10,234,574	10,177,099	11,723,065	13,283,240	13,608,334	13,768,504	15,075,777	16,463,899	17,102,577
		JUMLAH Total	15,170,896	16,276,432	15,859,146	18,173,794	19,978,706	20,556,725	20,876,318	22,373,309	23,876,312	24,847,833

SUMBER: SEMUA PELABUHAN DAN JABATAN LAUT

Source: All Ports and Marine Department



JADUAL 3.6 : JUMLAH KAPAL YANG BERLABUH MENGIKUT PELABUHAN, MALAYSIA, 2007-2016

Table 3.6 : Total Number of Ships Calling by Ports, Malaysia, 2007-2016

PELABUHAN / Ports		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
KELANG	BIL / No	17,149	16,864	16,116	17,910	18,117	17,721	16,703	15,298	16,541	16,323
	GRT (' 000)	297,671	306,682	236,891	363,322	392,947	384,436	407,918	409,806	441,580	464,732
PULAU PINANG	BIL / No	6,036	5,779	5,559	6,136	6,327	7,796	6,309	6,137	6,226	7,008
	GRT (' 000)	48,843	37,068	42,411	60,978	62,034	66,941	63,992	59,389	64,526	68,936
JOHOR	BIL / No	6,004	5,823	5,121	4,882	4,899	4,252	4,133	3,964	3,984	4,044
	GRT (' 000)	23,637	41,037	41,348	38,177	36,864	30,286	29,614	25,894	28,096	30,672
KUANTAN	BIL / No	2,375	2,315	2,447	2,405	2,440	2,470	2,406	2,342	2,347	1,820
	GRT (' 000)	15,959	15,432	18,049	19,274	21,694	22,469	23,153	24,803	35,374	20,225
BINTULU	BIL / No	6,007	7,015	7,514	7,601	7,606	7,581	8,239	8,478	7,329	7,457
	GRT (' 000)	60,111	60,384	58,668	61,563	64,052	63,987	67,534	68,593	67,009	68,770
TANJUNG BRUAS	BIL / No	159	147	115	104	104	91	117	352	305	236
	GRT (' 000)	571	508	406	383	405	384	471	3,786	4,433	649
KUCHING	BIL / No	2,669	2,190	1,899	2,111	1,982	1,933	2,054	1,897	2,012	1,759
	GRT (' 000)	9,327	8,666	8,444	9,716	10,132	10,337	10,624	10,784	11,079	10,797
MIRI	BIL / No	1,643	1,690	1,637	1,645	1,692	1,779	1,702	1,508	1,039	872
	GRT (' 000)	9,005	8,691	8,387	7,720	7,156	6,134	7,545	6,745	6,041	6,348
RAJANG	BIL / No	1,727	1,692	1,690	1,821	1,680	1,378	1,034	908	702	667
	GRT (' 000)	7,179	6,797	6,918	6,990	6,360	3,611	1,998	1,416	1,022	998
SABAH	BIL / No	14,456	13,540	13,227	13,125	12,754	14,641	13,228	14,178	13,769	11,242
	GRT (' 000)	35,181	35,265	33,840	33,336	36,467	37,997	40,811	46,468	42,146	45,492
PORT DICKSON	BIL / No	1,628	1,282	1,028	892	869	963	854	880	897	724
	GRT (' 000)	12,591	11,640	11,560	11,203	10,938	11,685	12,062	11,521	19,229	17,337
KEMAMAN	BIL / No	374	344	391	553	423	605	554	495	639	633
	GRT (' 000)	3,905	3,966	3,757	4,240	4,187	5,723	4,002	4,401	5,711	5,567
TELUR EWA	BIL / No	597	637	633	595	589	510	527	472	376	332
	GRT (' 000)	2,509	2,592	3,028	2,653	2,711	2,635	3,078	2,760	2,553	2,625
TANJUNG PELEPAS	BIL / No	3,747	3,760	3,776	4,162	5,125	5,041	4,793	4,759	4,696	4,470
	GRT (' 000)	29,976	30,112	30,208	33,296	41,000	40,328	38,344	38,072	37,568	35,760
JUMLAH Total	BIL / No	64,571	63,078	61,153	63,942	64,607	66,761	62,653	61,668	60,862	57,587
	GRT (' 000)	556,465	568,840	503,915	652,852	696,948	686,953	711,145	714,437	766,368	778,708

SUMBER: SEMUA PELABUHAN DAN JABATAN LAUT

Source: All Ports and Marine Department



JADUAL 3.7 : JENIS-JENIS KAPAL YANG BERLABUH MENGIKUT PELABUHAN, MALAYSIA, 2016
Table 3.7 : Type of Ships Calling by Ports, Malaysia, 2016

PELABUHAN Ports	PERENTAS SAMUDERA <i>Foreign Going</i>							PERSISIRAN <i>Coastal</i>							JUMLAH BESAR <i>Grand Total</i>
	KONTENA <i>Container</i>		KARGO AM <i>General Cargo</i>	TANKER CECAIR <i>Liquid Tankers</i>	PUKAL KERING <i>Dry Bulk</i>	LAIN- LAIN <i>Others</i>	JUMLAH <i>Total</i>	KONTENA <i>Container</i>		KARGO AM <i>General Cargo</i>	TANKER CECAIR <i>Liquid Tankers</i>	PUKAL KERING <i>Dry Bulk</i>	LAIN- LAIN <i>Others</i>	JUMLAH <i>Total</i>	
	INDUK <i>Main Line</i>	FEEDER <i>Feeder</i>						INDUK <i>Main Line</i>	FEEDER <i>Feeder</i>						
KELANG	-	10,644	1,218	1,362	439	669	14,332	-	1,091	304	87	28	481	1,991	16,323
PULAU PINANG	-	6	840	852	275	1,977	3,950	-	1,541	45	196	-	1,276	3,058	7,008
JOHOR	1,419	-	318	1,498	348	-	3,583	461	-	-	-	-	-	461	4,044
KUANTAN	45	307	266	573	268	28	1,487	-	-	18	283	5	27	333	1,820
BINTULU	209	343	1,254	248	304	375	2,733	-	433	506	92	133	3,560	4,724	7,457
TANJUNG BRUAS	-	-	79	20	17	8	124	-	-	-	8	-	104	112	236
KUCHING	-	231	109	156	67	87	650	-	448	284	83	8	286	1,109	1,759
MIRI	-	-	179	10	62	-	251	-	39	511	71	-	-	621	872
RAJANG	-	-	7	2	5	-	14	-	520	115	14	4	-	653	667
SABAH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11,242
PORT DICKSON	-	-	45	386	46	-	477	-	-	-	215	32	-	247	724
KEMAMAN	-	-	9	498	100	-	607	-	-	1	22	3	-	26	633
TELOK EWA	-	-	-	6	50	32	88	-	-	-	59	129	56	244	332
TANJUNG PELEPAS	1,854	2,392	-	-	-	-	4,246	88	136	-	-	-	-	224	4,470
JUMLAH <i>Total</i>	3,527	13,923	4,324	5,611	1,981	3,176	32,542	549	4,208	1,784	1,130	342	5,790	13,803	57,587

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


JADUAL 3.8 : BILANGAN KAPAL-KAPAL YANG DIDAFTARKAN DI MALAYSIA MENGIKUT JENIS (PENGELASAN BARU) DAN BERAT, MALAYSIA, 2012-2016
Table 3.8 : Number of Ships Registered in Malaysia by Type (New Classification) and Weight, Malaysia, 2012-2016

JENIS KAPAL Type of Ship	2012			2013			2014			2015			2016		
	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>	22	177	81	18	18	8	2	4	2	7	32	14	25	37	17
KAPAL LNG, LPG <i>LNG, LPG Carrier</i>	-	-	-	-	-	-	1	4	6	1	3	1	2	267	80
TANGKI KIMIA/PETROLEUM <i>Chemical/ Petroleum Tanker</i>	2	3	1	10	35	17	-	-	-	1	27	14	1	5	2
KAPAL PUKAL, BIJIH, KAYU BALAR <i>Bulk, Grain, Ore, Log Carrier</i>	1	5	2	2	98	61	-	-	-	1	16	10	5	209	128
KARGO AM, SEPARA KONTENA <i>General Cargo, Semi Container</i>	11	20	10	7	28	15	1	20	11	5	3	1	14	13	6
KAPAL PENUMPANG, AM/ PENUMPANG <i>Passenger, General/ Passenger Ship</i>	4	1	0	7	4	1	3	2	1	9	2	1	14	4	1
RO-RO	1	47	14	3	137	41	-	-	-	1	25	7	-	-	-
KONTENA PENUH <i>Full Container</i>	3	31	16	2	25	10	-	-	-	1	17	7	5	87	45
OFFSHORE SUPPORT VESSEL	23	21	6	23	50	16	5	11	3	11	18	6	22	42	13
TONGKRANG <i>Barge</i>	42	86	30	43	117	36	10	30	11	14	45	14	33	78	25
LAIN-LAIN <i>Others</i>	189	436	181	191	428	145	38	99	30	75	70	21	142	195	75
JUMLAH <i>Total</i>	298	827	342	306	939	351	60	170	63	126	257	95	263	937	393

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, 2012-2016

Table 3.9 : Total of Ships Registered in Malaysia by Type (New Classification) and Weight, Malaysia, 2012-2016

JENIS KAPAL Type of Ship	2012			2013			2014			2015			2016		
	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	215	2,419	1,414	206	2,027	1,163	201	2,013	1,155	209	2,075	1,185	250	2,137	1,220
KAPAL LNG, LPG LNG, LPG Carrier	41	2,373	719	40	2,371	719	40	2,371	719	38	2,211	671	40	2,594	785
TANGKI KIMIA/PETROLEUM Chemical/ Petroleum Tanker	63	822	327	53	571	229	49	453	181	47	391	159	46	369	149
KAPAL PUKAL, BIJIH, KAYU BALAK Bulk, Grain, Ore, Log Carrier	15	193	112	14	192	111	13	164	95	13	206	127	15	377	233
KARGO AM, SEPARA KONTENA General Cargo, Semi Container	491	579	314	577	580	314	575	578	312	489	575	310	491	565	303
KAPAL PENUMPANG, AM/ PENUMPANG Passenger, General/ Passenger Ship	322	47	17	431	55	21	428	57	21	360	61	22	352	72	27
RO-RO	10	130	40	11	195	59	10	157	48	12	229	70	11	190	58
KONTENA PENUH Full Container	33	218	111	29	190	94	27	182	90	27	195	94	32	288	140
OFFSHORE SUPPORT VESSEL	249	218	66	256	244	75	263	273	84	276	316	98	290	328	102
TONGKRANG Barge	1,455	1,400	489	1,427	1,378	480	1,417	1,399	489	1,431	1,493	517	1,489	1,585	542
LAIN-LAIN Others	2,136	2,618	1,085	2,104	2,451	968	2,116	2,691	1,046	2,232	2,906	1,139	2,461	3,434	1,321
JUMLAH Total	5,030	11,017	4,694	5,148	10,253	4,234	5,139	10,338	4,240	5,134	10,658	4,392	5,477	11,939	4,880

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), 2012-2016

Table 3.10 : Total Number of Licenses Issued by Type of Cargo and Registration by Domestic Shipping Licensing Board (DSLБ), 2012-2016

JENIS KARGO <i>Type of Cargo</i>	2012		2013		2014		2015		2016	
	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>	881	37	926	47	870	81	844	354	843	434
KELAPA SAWIT <i>Palm Oil</i>	38	73	42	65	33	47	36	42	35	71
PETROLUUM / DIESEL <i>Petroleum / Diesel</i>	211	686	204	731	194	732	223	646	218	821
PENUMPANG <i>Passenger</i>	122	24	125	35	140	34	129	35	138	33
KONTENA <i>Container</i>	50	51	40	41	36	50	38	39	36	36
KIMIA <i>Chemical</i>	15	102	17	104	15	105	8	173	10	131
KHIDMAT TUNDA <i>Towing Services</i>	622	601	634	561	597	468	669	583	681	602
PERALATAN KERJA CARI GALI <i>Exploration Work Equipment</i>	172	902	191	908	211	635	183	348	157	129
KENDERAAN / RO-RO <i>Vehicle / Ro-ro</i>	7	2	17	3	13	2	14	0	12	0
BAHAN BINAAN <i>Construction Material</i>	75	368	62	351	61	202	54	232	50	246
KAYU BALAK <i>Log Wood</i>	234	2	228	1	220	0	188	0	190	0
SIMEN KLINKER <i>Clinker Cement</i>	0	57	0	45	0	37	0	27	0	20
LAIN-LAIN <i>Others</i>	106	346	165	407	230	402	281	461	288	405
JUMLAH <i>Total</i>	2,533	3,251	2,651	3,299	2,620	2,795	2,667	2,940	2,658	2,928

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

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



JADUAL 3.11 : JUMLAH LESEN PERKAPALAN YANG DIKELUARKAN MENGIKUT JENIS LESEN DAN PENDAFTARAN OLEH LEMBAGA PERLESENAN PERKAPALAN DALAM NEGERI (LPPDN), 2012-2016

Table 3.11 : Total Number of Licenses Issued by Type of License and Registration by Domestic Shipping Licensing Board (DSL B), 2012-2016

JENIS LESEN <i>Type of Licenses</i>	2012		2013		2014		2015		2016	
	DAFTARAN MALAYSIA <i>Malaysian Registered</i>	DAFTARAN ASING <i>Foreign Registered</i>	DAFTARAN MALAYSIA <i>Malaysian Registered</i>	DAFTARAN ASING <i>Foreign Registered</i>	DAFTARAN MALAYSIA <i>Malaysian Registered</i>	DAFTARAN ASING <i>Foreign Registered</i>	DAFTARAN MALAYSIA <i>Malaysian Registered</i>	DAFTARAN ASING <i>Foreign Registered</i>	DAFTARAN MALAYSIA <i>Malaysian Registered</i>	DAFTARAN ASING <i>Foreign Registered</i>
SEMENTARA <i>Temporary</i>	251	3,251	216	3,299	346	2,795	222	2,940	178	2,928
BERSYARAT <i>Conditional</i>	2,047	0	2,163	0	1,835	0	2,210	0	2,219	0
TANPA SYARAT <i>Unconditional</i>	235	0	272	0	439	0	235	0	261	0
JUMLAH <i>Total</i>	2,533	3,251	2,651	3,299	2,620	2,795	2,667	2,940	2,658	2,928

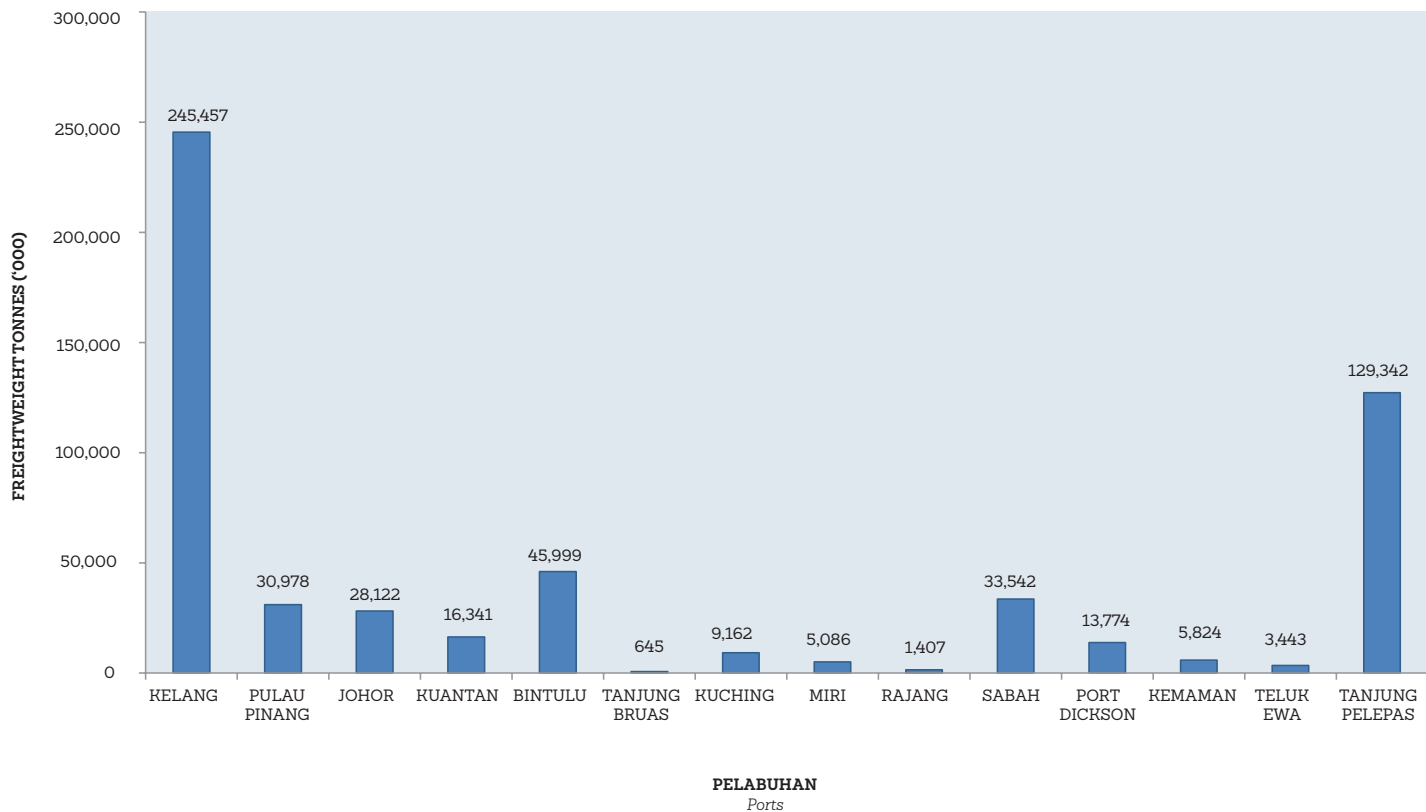
SUMBER: LEMBAGA PERLESENAN PERKAPALAN DALAM NEGERI (LPPDN), KEMENTERIAN PENGANGKUTAN

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



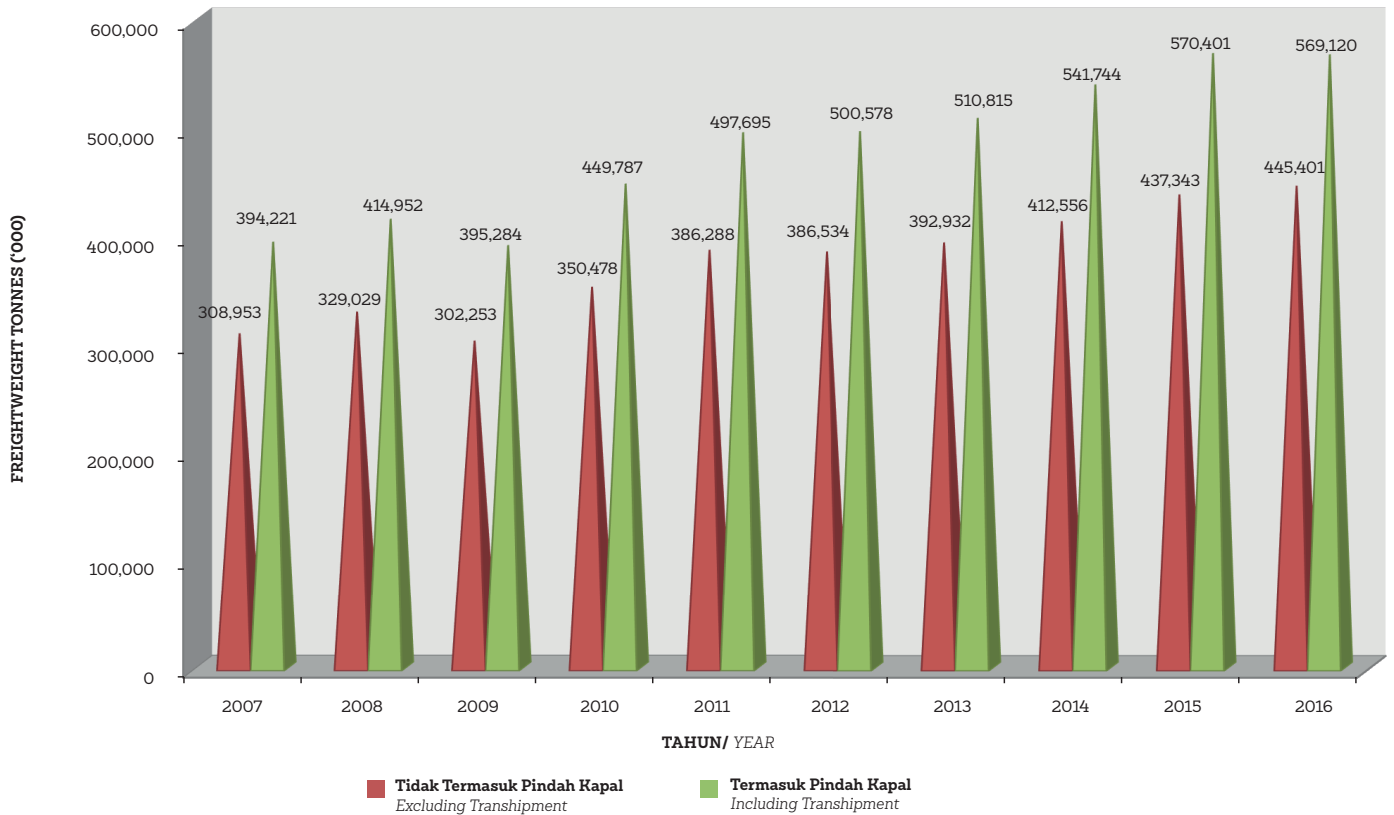
CARTA 3.1 : JUMLAH KARGO YANG DIKENDALIKAN MENGIKUT PELABUHAN, MALAYSIA, 2016

Chart 3.1 : Total Cargo Throughput by Ports, Malaysia, 2016



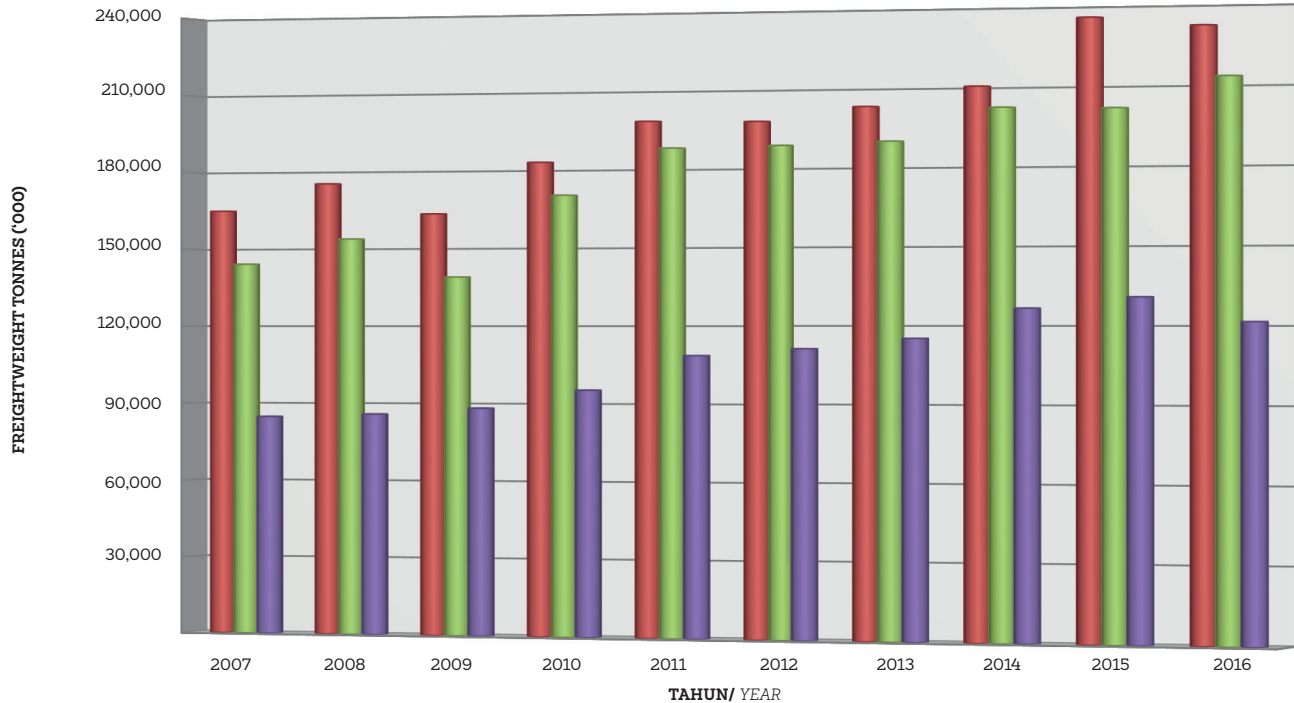
CARTA 3.2 : JUMLAH KARGO YANG DIKENDALIKAN DI PELABUHAN, MALAYSIA , 2007-2016

Chart 3.2 : Total Cargo Throughput at Ports, Malaysia, 2007-2016



CARTA 3.3 : JUMLAH KARGO DIKENDALIKAN MENGIKUT EKSPORT, IMPORT DAN PINDAH KAPAL DI PELABUHAN, MALAYSIA, 2007-2016

Chart 3.3 : Total Cargo Throughput by Export, Import and Transhipment at Ports, Malaysia, 2007-2016

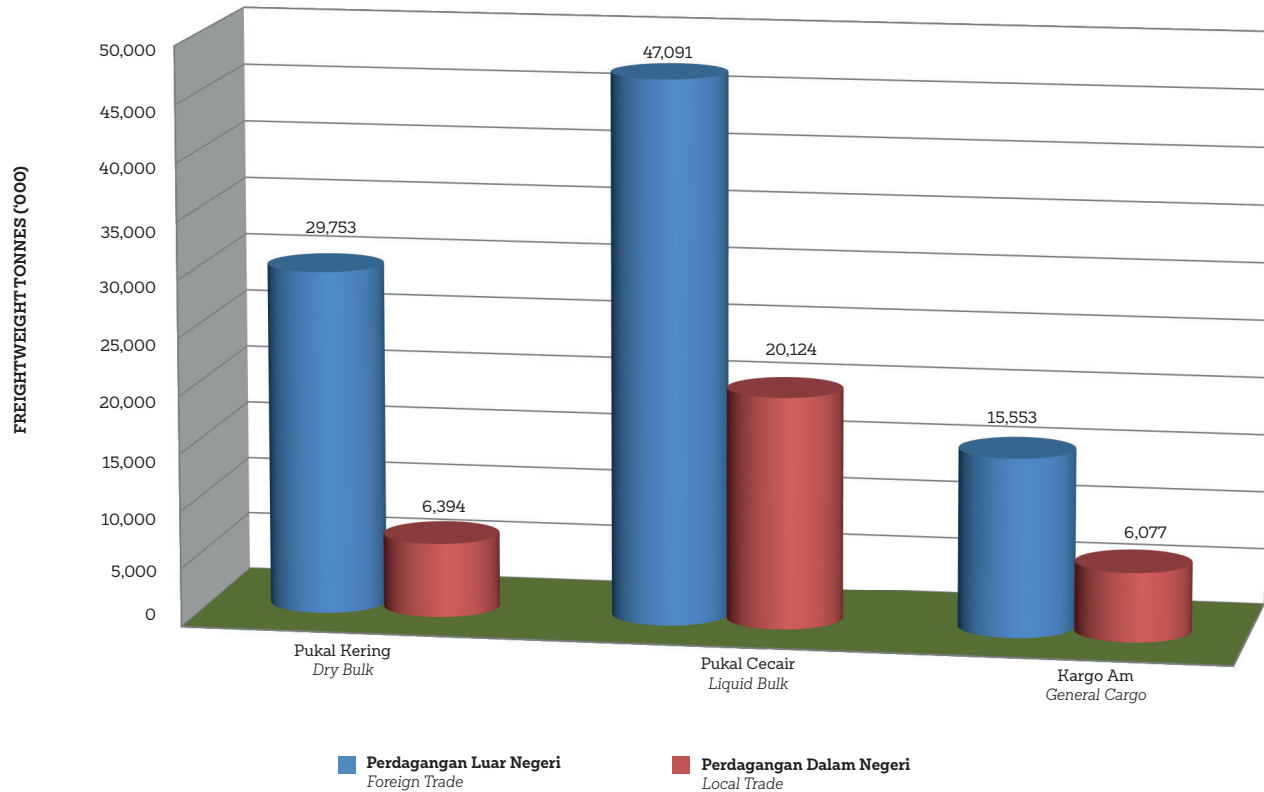


	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
■ Eksport / Export	164,815	175,248	163,295	183,014	198,290	197,878	203,063	210,295	235,657	232,219
■ Import / Import	144,138	153,782	138,957	169,000	187,997	188,656	189,868	202,260	201,686	213,182
■ Pindah Kapal / Transhipment	85,268	85,922	93,031	97,774	111,407	114,043	117,884	129,188	133,058	123,719



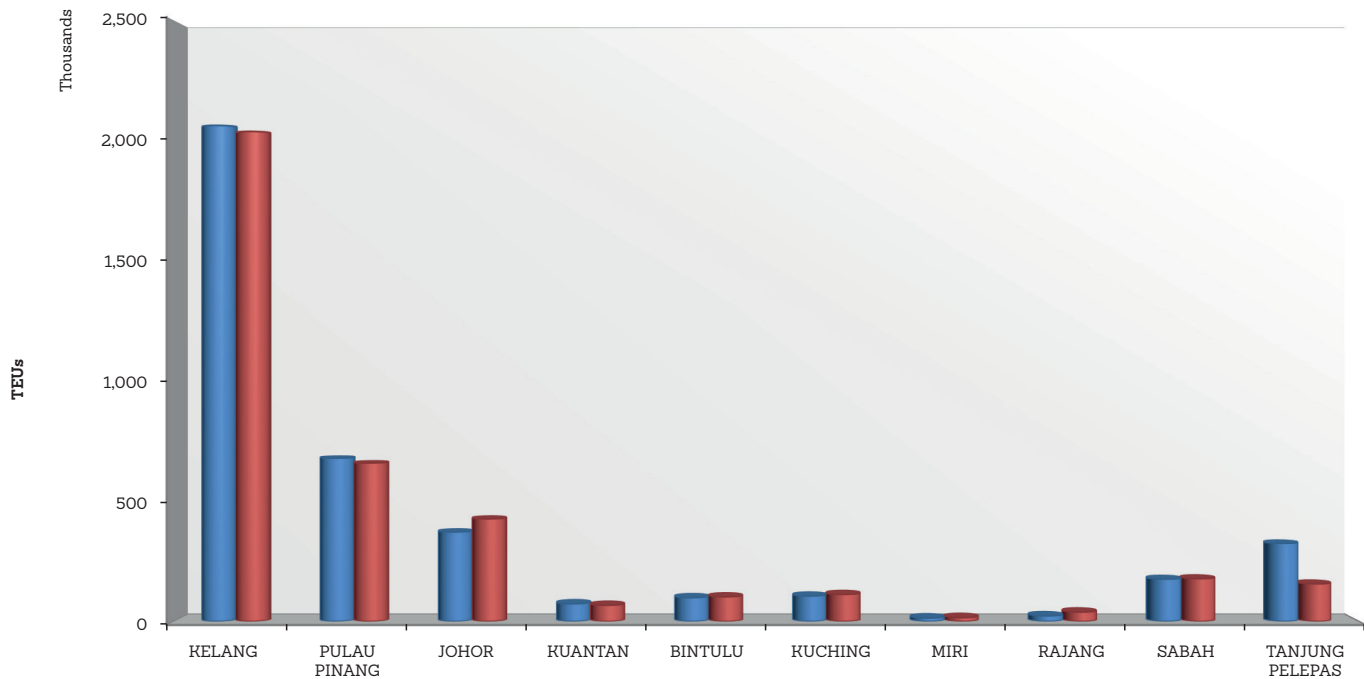
CARTA 3.4 : KENDALIAN KARGO UNTUK PERDAGANGAN DALAM NEGERI DAN LUAR NEGERI, 2016

Chart 3.4 : Cargo Handling for Local and Foreign Trade, 2016



CARTA 3.5 : PENGENDALIAN EKSPORT DAN IMPORT KONTENA MENGIKUT PELABUHAN, MALAYSIA, 2016

Chart 3.5 : Handling of Export and Import Container by Ports, Malaysia, 2016

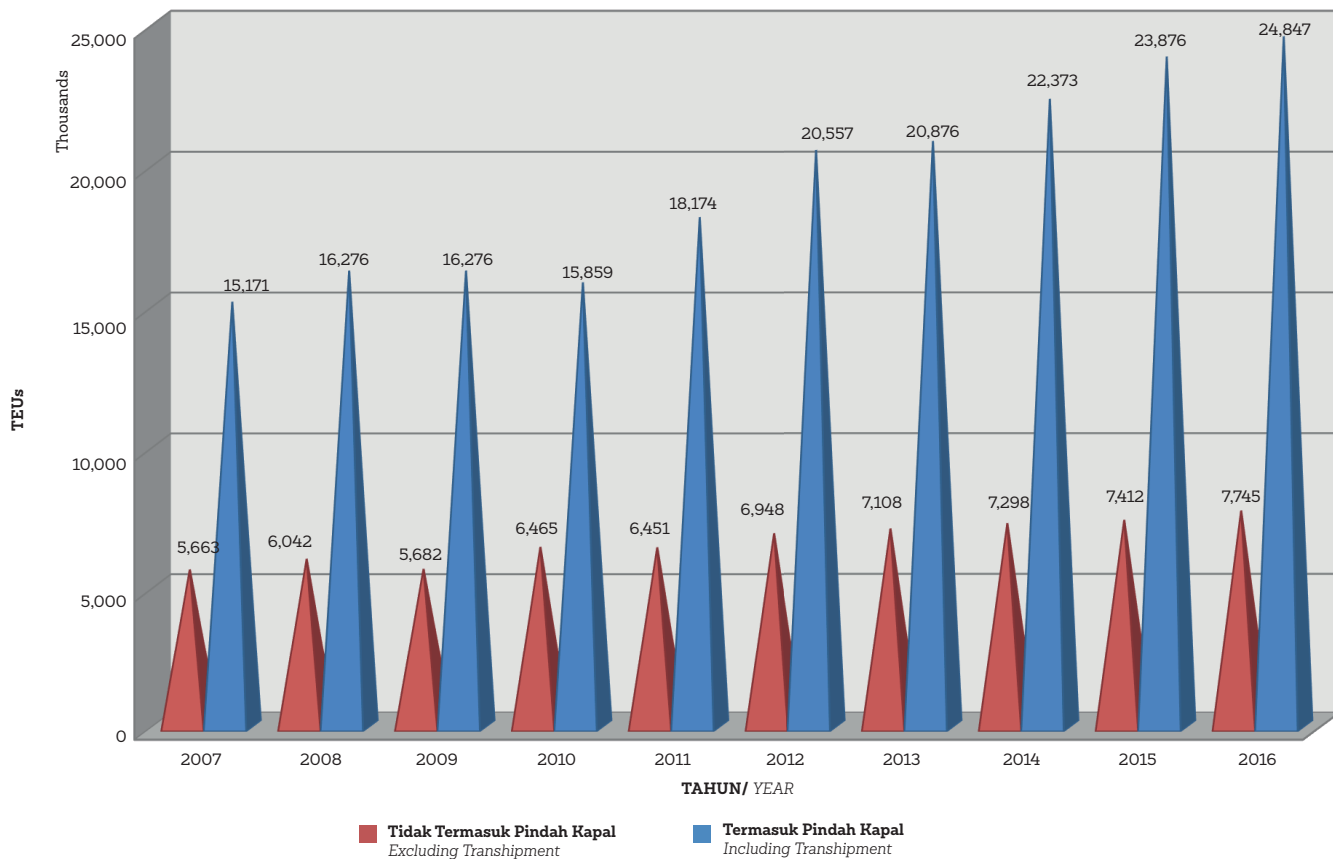


	RELANG	PULAU PINANG	JOHOR	KUANTAN	BINTULU	KUCHING	MIRI	RAJANG	SABAH	TANJUNG PELEPAS
■ Eksport / Export	2,063,736	681,463	373,986	73,952	99,703	106,441	14,445	23,496	177,016	326,569
■ Import / Import	2,038,527	661,323	428,793	67,687	103,086	113,198	16,266	39,282	179,055	157,233



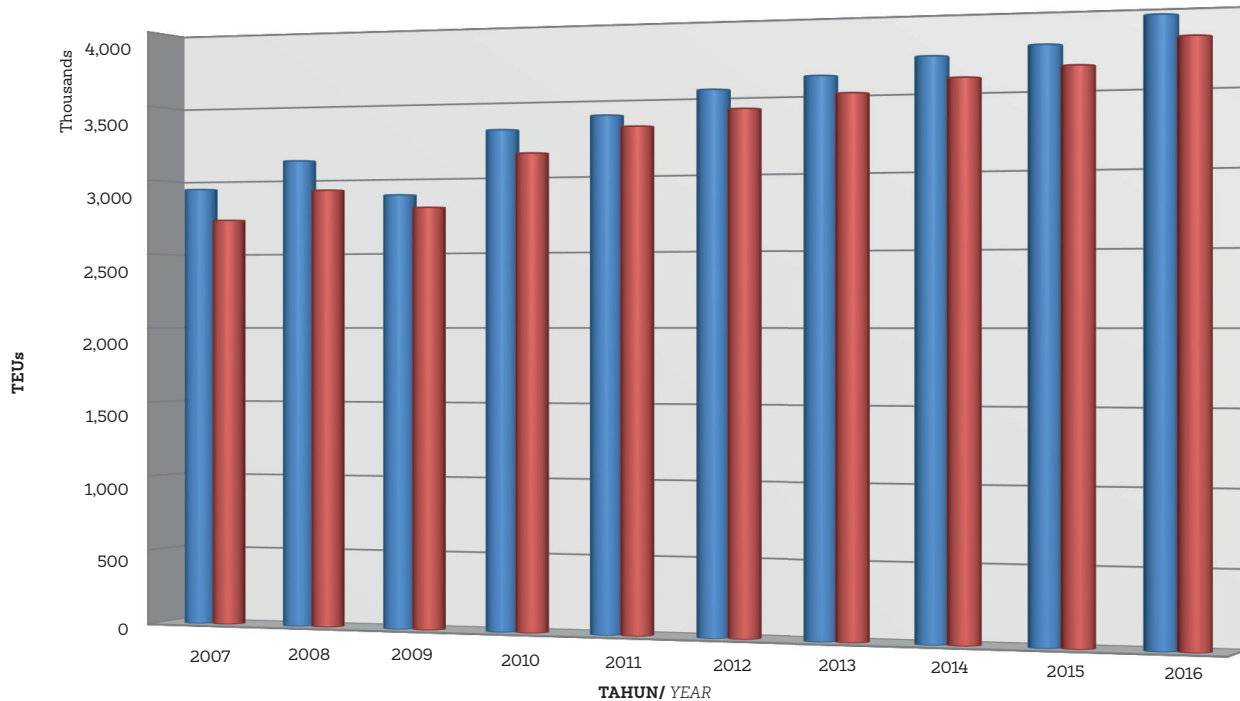
CARTA 3.6 : JUMLAH KONTENA YANG DIKENDALIKAN DI PELABUHAN, MALAYSIA, 2007-2016

Chart 3.6 : Total Container Throughput At Ports, Malaysia, 2007-2016




CARTA 3.7 : PENGENDALIAN KONTENA EKSPORT DAN IMPORT MENGIKUT TAHUN, MALAYSIA, 2007-2016

Chart 3.7 : Handling of Export and Import Container Year, Malaysia, 2007-2016



	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
■ Eksport / Export	2,936,873	3,120,571	2,883,551	3,303,582	3,385,330	3,537,658	3,610,794	3,718,513	3,773,117	3,940,807
■ Import / Import	2,726,380	2,921,287	2,798,496	3,147,147	3,310,136	3,410,734	3,497,021	3,579,018	3,639,297	3,804,450



The background features a world map with a grid of dots and dashed lines representing flight routes. A diagonal grey bar with a fine grid pattern is positioned on the left side. The text is centered over the map.

PENGANGKUTAN UDARA

Air Transport

JADUAL 4.1 : KEMUDAHAN LAPANGAN TERBANG ANTARABANGSA, MALAYSIA, 2016

Table 4.1 : International Airport Facilities, Malaysia, 2016

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

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



JADUAL 4.2 : KEMUDAHAN LAPANGAN TERBANG DALAM NEGERI, MALAYSIA, 2016

Table 4.2 : Domestic Airport Facilities, Malaysia, 2016

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

SUMBER / Source : MALAYSIA AIRPORTS HOLDINGS BERHAD



JADUAL 4.3 : KEMUDAHAN PADANG TERBANG, MALAYSIA, 2016

Table 4.3 : Airstrips Facilities, Malaysia, 2016

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

SUMBER / Source : MALAYSIA AIRPORTS HOLDINGS BERHAD



JADUAL 4.3 : KEMUDAHAN PADANG TERBANG, MALAYSIA, 2016 (SAMB.)

Table 4.3 : Airstrips Facilities, Malaysia, 2016 (Cont'd)

LAPANGAN TERBANG Airport	PANJANG / LEBAR LANDASAN Runaway Length / Width (m)	KEUPAYAAN LANDASAN Load Classification Number	WAKTU BEROPERASI Hours of Operation	PENDARATAN PESAWAT TERBESAR Biggest Aircraft Landed	SISTEM PERHUBUNGAN & PEMALIMAN UDARA Radio and Air Navigational Aids
SABAH					
RUDAT	730M X 18M	Asphalt AUW 6123kg	sunrise to sunset	DHC-6 Twin Otter	n.a
PAMOL	n.a	n.a	n.a	n.a	n.a
SEMPORNA	609M X 24M	n.a	No commercial flight	DHC-6 Twin Otter	n.a
RANAU	n.a	n.a	n.a	n.a	n.a
KENINGAU	n.a	n.a	n.a	n.a	n.a
LONG PASIA	610M X 23M	n.a	No commercial flight	DHC-6 Twin Otter	n.a
KUALA PENYU	n.a	n.a	n.a	n.a	n.a
SEPULOT	n.a	n.a	n.a	n.a	n.a
SAHABAT	n.a	n.a	n.a	n.a	n.a
TOMMANGGONG	n.a	n.a	n.a	n.a	n.a
TELUPID	n.a	n.a	n.a	n.a	n.a
RELABAKAN	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



JADUAL 4.4 : JUMLAH PENUMPANG YANG DIKENDALIKAN MENGIKUTI LAPANGAN TERBANG (TIDAK TERMASUK PENUMPANG TRANSIT), MALAYSIA, 2007-2016

Table 4.4 : Total Passengers Handled by Airports (Excluding Transit Passengers), Malaysia, 2007-2016

LAPANGAN TERBANG Airports	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
KLIA	26,097,106	27,245,269	29,398,483	33,718,562	37,313,395	39,513,546	47,143,539	48,571,834	48,617,226	25,305,221
KLIA2	-	-	-	-	-	-	-	-	-	27,119,023
SUBANG	95,583	307,747	819,840	1,118,309	1,320,227	1,442,514	1,858,823	2,762,399	3,059,035	2,834,836
PULAU PINANG	3,171,777	3,405,067	3,322,114	4,143,421	4,561,998	4,762,256	5,485,756	6,036,326	6,251,955	6,661,225
HOTA KINABALU	4,263,043	4,557,039	4,765,880	5,115,774	5,772,115	5,844,608	6,929,692	6,785,957	6,568,371	7,263,224
RUCHING	3,162,111	3,165,791	3,520,402	3,648,548	4,247,775	4,159,864	4,843,141	4,830,778	4,758,089	4,911,331
LANGKAWI	1,122,705	1,196,405	1,358,506	1,372,618	1,503,262	1,593,043	1,946,220	2,221,997	2,336,177	2,655,271
JOHOR BHARU	1,324,952	1,389,327	1,314,646	1,235,355	1,337,962	1,376,383	1,990,106	2,325,816	2,581,966	2,828,074
ROTA BHARU	759,316	836,060	1,003,162	1,047,755	1,132,345	1,259,205	1,585,238	1,800,836	2,063,745	2,062,248
IPOH	814	5,376	21,937	48,508	71,169	73,354	74,320	98,768	222,606	269,696
RUALA TERENGGANU	429,002	486,406	523,619	520,611	502,966	550,831	699,310	842,651	857,239	900,218
ALOR SETAR	291,006	307,564	421,314	400,997	407,717	433,644	535,073	660,264	719,029	787,706
MELAKA	27,209	23,751	18,576	21,687	21,261	34,352	21,637	14,178	69,710	58,703
RUANTAN	259,044	258,537	226,912	220,878	248,846	280,074	317,440	314,130	292,109	247,757
TIOMAN	46,260	48,767	49,057	54,056	62,010	60,141	56,054	9,217	-	-
PANGROR	8,906	8,132	7,617	2,588	547	4,068	5,791	205	-	-
REDANG	33,738	34,957	28,246	48,610	46,159	35,922	35,982	11,087	-	-
LABUAN	492,152	509,653	446,848	479,481	522,320	575,646	669,137	715,052	641,846	570,948
LAHAD DATU	77,024	99,983	98,558	113,442	131,054	142,733	145,930	161,230	143,654	140,077
SANDAKAN	623,589	616,281	662,820	706,455	756,144	814,999	889,250	877,475	837,768	863,701
TAWAU	736,646	768,967	866,601	897,848	922,452	982,108	1,202,344	1,218,311	1,203,792	1,271,915
BINTULU	375,228	400,707	460,217	506,000	567,519	637,158	750,994	795,118	779,413	779,086
MIRI	1,454,167	1,536,954	1,614,736	1,676,281	1,843,005	2,005,697	2,214,660	2,355,071	2,241,913	2,195,145
SIBU	806,776	827,797	927,082	994,394	1,118,852	1,183,419	1,357,909	1,411,539	1,438,502	1,455,293
MULU	37,393	43,652	49,255	63,122	63,477	49,619	49,432	52,175	51,387	60,074
LIMBANG	49,334	49,179	45,512	48,312	56,211	57,852	61,074	63,870	58,300	55,437
STOL SABAH	1,824	3,315	-	607	4,198	4,350	3,798	3,585	4,007	5,216
STOL SARAWAK	127,681	138,998	144,323	160,230	166,168	153,590	143,678	148,136	150,340	155,109
SEMANANJUNG Peninsular	33,667,418	35,553,365	38,514,029	43,953,955	48,529,464	51,419,333	61,755,289	65,669,708	67,070,797	71,729,978
SABAH	6,194,278	6,555,238	6,840,707	7,313,607	8,108,283	8,364,444	9,840,151	9,761,610	9,399,438	10,115,081
SARAWAK	6,012,690	6,163,078	6,761,527	7,096,887	8,063,007	8,247,199	9,420,888	9,656,687	9,477,944	9,611,475
JUMLAH Total	45,874,386	48,271,681	52,116,263	58,364,449	64,700,754	68,030,976	81,016,328	85,088,005	85,948,179	91,456,534

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



JADUAL 4.5 : JUMLAH PENUMPANG YANG DIKENDALIKAN MENGIKUT LAPANGAN TERBANG, MALAYSIA, 2016

Table 4.5 : Total Passengers Handled by Airports, Malaysia, 2016

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	2016	2015	% +/-
KLIA	3,305,346	3,268,828	6,573,974	9,301,504	9,429,743	18,731,247	12,606,650	12,698,571	25,305,221	-	219,267	219,267	25,524,488	48,938,424	-47.8%
KLIA2	4,487,712	4,399,736	8,887,448	8,915,460	9,316,115	18,231,575	13,403,172	13,715,851	27,119,023	-	-	-	27,119,023	-	-
SUBANG	1,299,323	1,282,968	2,582,291	127,195	125,350	252,545	1,426,518	1,408,318	2,834,836	-	-	-	2,834,836	3,059,144	-7.3%
PULAU PINANG	1,901,878	1,936,020	3,837,898	1,407,785	1,415,542	2,823,327	3,309,663	3,351,562	6,661,225	12,835	9,966	22,801	6,684,026	6,258,756	6.8%
HOTA HINABALU	2,574,463	2,582,746	5,157,209	1,048,658	1,057,357	2,106,015	3,623,121	3,640,103	7,263,224	115	115	7,263,339	6,573,461	10.5%	
RUCHING	2,303,081	2,308,040	4,611,121	143,960	156,250	300,210	2,447,041	2,464,290	4,911,331	4,083	4,263	8,346	4,919,677	4,772,453	3.1%
LANGRAWI	1,198,290	1,210,800	2,409,090	121,854	124,327	246,181	1,320,144	1,335,127	2,655,271	-	-	-	2,655,271	2,336,177	13.7%
JOHOR BHARU	1,177,755	1,218,962	2,396,717	217,000	214,357	431,357	1,394,755	1,433,319	2,828,074	-	-	-	2,828,074	2,581,966	9.5%
HOTA BHARU	1,022,993	1,039,255	2,062,248	0	0	-	1,022,993	1,039,255	2,062,248	-	-	-	2,062,248	2,063,747	-0.1%
IPOH	26,557	25,986	52,543	107,821	109,332	217,153	134,378	135,318	269,696	-	-	-	269,696	222,606	21.2%
KUALA TERENGGANU	445,670	454,548	900,218	0	0	-	445,670	454,548	900,218	-	-	-	900,218	857,239	5.0%
ALOR SETAR	391,048	396,080	787,128	311	267	578	391,359	396,347	787,706	-	-	-	787,706	719,029	9.6%
MELAKA	12,704	12,937	25,641	17,298	15,764	33,062	30,002	28,701	58,703	-	-	-	58,703	69,710	-15.8%
KUANTAN	105,790	106,250	212,040	17,444	18,273	35,717	123,234	124,523	247,757	-	-	-	247,757	292,109	-15.2%
TIOMAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PANGHOR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
REDANG	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LABUAN	288,593	282,346	570,939	4	5	9	288,597	282,351	570,948	24,342	-	24,342	595,290	684,108	-13.0%
LAHAD DATU	68,921	71,156	140,077	-	-	-	68,921	71,156	140,077	-	-	-	140,077	143,654	-2.5%
SANDARAN	427,877	435,742	863,619	37	45	82	427,914	435,787	863,701	19,110	-	19,110	882,811	853,411	3.4%
TAWAU	626,165	631,936	1,258,101	5,856	7,958	13,814	632,021	639,894	1,271,915	-	-	-	1,271,915	1,203,792	5.7%
BINTULU	386,747	392,339	779,086	-	0	-	386,747	392,339	779,086	26,120	-	26,120	805,206	800,008	0.6%
MIRI	1,058,858	1,068,460	2,127,318	32,425	35,402	67,827	1,091,283	1,103,862	2,195,145	5,401	-	5,401	2,200,546	2,249,206	-2.2%
SIBU	725,264	730,029	1,455,293	-	-	-	725,264	730,029	1,455,293	14,048	-	14,048	1,469,341	1,454,360	1.0%
MULU	30,432	29,642	60,074	-	-	-	30,432	29,642	60,074	-	-	-	60,074	51,387	16.9%
LIMBANG	27,289	28,148	55,437	-	-	-	27,289	28,148	55,437	-	-	-	55,437	58,300	-4.9%
STOL SABAH	2,584	2,632	5,216	-	-	-	2,584	2,632	5,216	1,848	-	1,848	7,064	5,309	33.1%
STOL SARAWAK	75,270	79,839	155,109	-	-	-	75,270	79,839	155,109	7,073	-	7,073	162,182	163,379	-0.7%
SEMENANJUNG Peninsular	15,374,866	15,352,370	30,727,236	20,233,672	20,769,070	41,002,742	35,608,538	36,121,440	71,729,978	12,835	229,233	242,068	71,972,046	67,398,907	6.8%
SABAH	3,988,603	4,006,558	7,995,161	1,054,555	1,065,365	2,119,920	5,043,158	5,071,923	10,115,081	45,415	-	45,415	10,160,496	9,463,735	7.4%
SARAWAK	4,606,941	4,636,497	9,243,438	176,385	191,652	368,037	4,783,326	4,828,149	9,611,475	56,725	4,263	60,988	9,672,463	9,549,093	1.3%
JUMLAH Total	23,970,410	23,995,425	47,965,835	21,464,612	22,026,087	43,490,699	45,435,022	46,021,512	91,456,534	114,975	233,496	348,471	91,805,005	86,411,735	6.2%

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



JADUAL 4.6 : JUMLAH KARGO YANG DIKENDALIKAN MENGIKUT LAPANGAN TERBANG (TIDAK TERMASUK KARGO TRANSIT), MALAYSIA, 2007-2016

Table 4.6 : Total Cargo Handled by Airports (Excluding Cargo in Transit), Malaysia, 2007-2016

METRIC TONNES

LAPANGAN TERBANG <i>Airports</i>	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
KLIA	644,100	649,077	584,559	674,902	669,849	673,107	680,983	753,899	726,230	523,346
KLIA2	-	-	-	-	-	-	-	-	-	119,212
SUBANG	63,382	18,473	18,536	19,988	19,928	22,680	26,443	28,128	31,357	36,147
PULAU PINANG	191,637	178,921	131,130	138,576	121,804	113,605	111,852	118,812	112,748	113,180
ROTA KINABALU	35,638	34,532	21,060	21,145	27,806	23,382	21,816	23,533	24,701	28,762
RUCHING	23,059	18,863	20,616	26,835	24,574	15,724	21,890	27,939	28,993	22,038
LANGRAWI	524	589	572	434	646	696	598	567	647	588
JOHOR BHARU	5,444	5,068	5,158	6,242	5,439	3,149	3,444	4,934	5,272	6,244
ROTA BHARU	163	181	185	177	164	147	179	397	1,003	780
IPOH	10	-	-	-	-	34	403	296	318	178
KUALA TERENGGANU	47	24	24	50	103	147	103	148	329	253
ALOR SETAR	55	41	34	34	46	123	126	230	389	390
MELARA	219	179	127	144	139	195	-	-	-	-
HUANTAN	103	70	70	49	38	57	86	46	21	15
TIOMAN	-	-	-	-	-	73	30	15	-	-
PANGHOR	-	-	-	-	-	5	21	-	-	-
REDANG	-	-	-	-	-	27	27	17	-	-
LABUAN	3,177	3,781	3,783	4,128	4,835	5,812	8,067	9,543	7,539	4,002
LAHAD DATU	-	-	-	-	42	185	200	179	158	129
SANDAKAN	6,224	3,055	2,099	2,806	2,295	2,470	2,891	2,495	3,143	2,384
TAWAU	2,134	1,262	1,951	3,045	3,198	2,489	2,844	3,265	3,910	3,570
BINTULU	2,249	1,978	1,903	1,703	2,071	2,571	2,528	2,306	2,378	2,646
MIRI	3,564	4,146	3,921	6,770	8,198	9,879	9,799	8,029	7,292	7,270
SIBU	892	735	856	1,133	1,147	1,596	1,407	1,433	1,300	1,044
MULU	191	262	346	396	370	322	354	319	232	391
LIMBANG	440	475	530	560	498	744	742	596	565	466
STOL SABAH	-	-	-	-	-	-	-	-	-	-
STOL SARAWAK	832	685	400	454	549	511	396	289	518	397
SEMANANJUNG <i>Peninsular</i>	905,685	852,623	740,394	840,597	818,155	814,047	824,294	907,490	878,313	800,333
SABAH	47,174	42,630	28,893	31,124	38,175	34,338	35,819	39,015	39,451	38,848
SARAWAK	31,226	27,145	28,572	37,850	37,407	31,347	37,116	40,911	41,278	34,253
JUMLAH Total	984,085	922,398	797,858	909,571	893,737	879,732	897,228	987,415	959,042	873,434

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



JADUAL 4.7 : JUMLAH KARGO YANG DIKENDALIKAN MENGIKUT LAPANGAN TERBANG, MALAYSIA, 2016

Table 4.7 : Total Cargo Handled by Airports, Malaysia, 2016

METRIC TONNES

LAPANGAN TERBANG Airports	DALAM NEGERI / Domestic			ANTARABANGSA / International			JUMLAH / Total			TRANSIT / Transit			PERBANDINGAN TAHUN KE TAHUN Year on Year Comparison		
	DIHANTAR Unloaded	DIANGKRUT Loaded	JUMLAH Total	DIHANTAR Unloaded	DIANGKRUT Loaded	JUMLAH Total	DIHANTAR Unloaded	DIANGKRUT Loaded	JUMLAH Total	DALAM NEGERI Domestic	ANTARABANGSA International	JUMLAH Total	2016	2015	% +/-
KLIA	18,045	40,225	58,270	238,834	226,242	465,075	256,879	266,467	523,345	-	-	-	523,345	726,230	-27.9%
KLIA2	14,428	16,856	31,284	49,853	38,076	87,929	64,281	54,932	119,212	-	-	-	119,212	-	-
SUBANG	3,771	6,781	10,552	13,246	12,349	25,595	17,016	19,131	36,147	-	-	-	36,147	31,357	15.3%
PULAU PINANG	9,475	3,571	13,045	48,598	51,536	100,134	58,073	55,106	113,180	1,559	15,752	17,311	130,491	130,392	0.1%
ROTA KINABALU	15,836	11,415	27,251	564	947	1,511	16,400	12,362	28,762	2	-	2	28,764	24,768	16.1%
KUCHING	14,770	6,001	20,771	389	878	1,267	15,159	6,879	22,038	256	206	462	22,500	29,362	-23.4%
LANGHAWI	438	106	544	43	2	45	481	108	588	-	-	-	588	647	-9.0%
JOHOR BHARU	3,238	1,469	4,708	733	804	1,537	3,972	2,273	6,244	-	-	-	6,244	5,272	18.4%
KOTA BHARU	423	357	780	-	-	-	423	357	780	-	-	-	780	1,003	-22.2%
IPOH	18	17	35	76	67	143	94	84	178	-	-	-	178	318	-44.1%
KUALA TERENGGANU	154	98	253	-	-	-	154	98	253	-	-	-	253	329	-23.1%
ALOR SETAR	215	175	390	-	-	-	215	175	390	-	-	-	390	389	0.3%
MELAKA	0	-	-	-	-	-	-	-	-	-	-	-	0	-	-
KUANTAN	11	-	11	2	2	4	13	2	15	-	-	-	15	21	-27.3%
TIOMAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PANGKOR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
REDANG	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LABUAN	1,945	888	2,833	725	444	1,169	2,670	1,332	4,002	378	239	617	4,620	9,834	-53.0%
LAHAD DATU	95	34	129	-	-	-	95	34	129	-	-	-	129	158	-18.4%
SANDAKAN	542	1,842	2,384	-	-	-	542	1,842	2,384	5	-	5	2,389	3,147	-24.1%
TAWAU	842	2,728	3,570	-	-	-	842	2,728	3,570	-	-	-	3,570	3,910	-8.7%
BINTULU	1,722	924	2,646	-	-	-	1,722	924	2,646	1	-	1	2,647	2,383	11.1%
MIRI	5,388	1,806	7,194	71	5	76	5,459	1,811	7,270	-	-	-	7,270	7,292	-0.3%
SIBU	807	237	1,044	-	-	-	807	237	1,044	4	-	4	1,048	1,304	-19.6%
MULU	388	3	391	-	-	-	388	3	391	-	-	-	391	232	68.7%
LIMBANG	214	252	466	-	-	-	214	252	466	-	-	-	466	565	-17.5%
STOL SABAH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STOL SARAWAK	216	181	397	-	-	-	216	181	397	81	-	81	479	691	-30.7%
SEMENANJUNG Peninsular	50,217	69,655	119,871	351,385	329,077	680,462	401,601	398,732	800,333	1,559	15,752	17,311	817,644	895,958	-8.7%
SABAH	19,260	16,908	36,168	1,289	1,391	2,680	20,549	18,299	38,848	385	239	624	39,472	41,817	-5.6%
SARAWAK	23,505	9,405	32,910	461	883	1,343	23,966	10,287	34,253	342	206	547	34,800	41,828	-16.8%
JUMLAH Total	92,981	95,968	188,949	353,134	331,350	684,485	446,116	427,318	873,434	2,286	16,197	18,483	891,916	979,602	-9.0%

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



JADUAL 4.8 : JUMLAH MEL YANG DIRENDALIKAN MENGIKUT LAPANGAN TERBANG (TIDAK TERMASUK MEL TRANSIT), MALAYSIA, 2007-2016

Table 4.8 : Total Mail Handled by Airports (Excluding Mel in Transit), Malaysia, 2007-2016

METRIC TONNES

LAPANGAN TERBANG Airports	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
KLIA	8,794	18,418	17,061	19,394	25,463	29,119	32,271	33,942	35,268	31,091
KLIA2	-	-	-	-	-	-	-	-	-	1
SUBANG	-	-	-	-	-	-	7	-	5	-
PULAU PINANG	1	-	7	4	12	1	3	7	5	32
ROTA KINABALU	4,044	3,149	1,601	1,486	1,681	2,246	1,751	1,386	1,455	1,525
RUCHING	1,996	998	794	642	479	496	727	715	542	322
LANGRAWI	58	83	73	90	131	222	254	279	286	174
ROTA BHARU	175	236	322	322	330	214	244	281	179	1
IPOH	-	-	-	-	-	-	-	-	1	155
KUALA TERENGGANU	4	8	5	12	16	48	38	36	39	0
ALOR SETAR	-	2	55	47	58	185	224	344	430	412
MELARA	-	-	-	-	-	-	-	-	-	-
KUANTAN	-	-	-	2	1	-	-	-	-	-
TIOMAN	-	-	-	-	-	1	-	-	-	-
PANGKOR	-	-	-	-	-	-	-	-	-	-
LABUAN	334	399	360	378	412	476	507	519	426	426
LAHAD DATU	157	193	212	207	213	275	165	3	0	0
SANDAKAN	9	233	254	476	459	418	287	36	71	52
TAWAU	27	281	242	439	457	497	471	197	267	264
BINTULU	83	339	382	264	218	41	53	57	54	16
MIRI	1,806	1,665	2,171	1,564	1,608	1,903	2,124	2,824	2,657	95
SIBU	59	-	849	287	371	226	611	604	472	713
MULU	-	-	-	-	-	-	-	-	-	-
LIMBANG	-	84	46	28	25	38	37	42	44	46
STOL SABAH	-	-	-	-	-	-	-	-	-	-
STOL SARAWAK	6	10	7	13	15	7	13	36	32	2
SEMENANIUNG Peninsular	9,033	18,747	17,523	19,870	26,011	29,790	33,040	34,891	36,213	31,864
SABAH	4,572	4,254	2,669	2,987	3,222	3,911	3,181	2,141	2,220	2,267
SARAWAK	3,949	3,096	4,248	2,798	2,716	2,711	3,565	4,277	3,802	1,194
JUMLAH Total	17,554	26,097	24,440	25,655	31,949	36,412	39,786	41,309	42,234	35,325

SUMBER / Source: MALAYSIA AIRPORTS HOLDINGS BERHAD



JADUAL 4.9 : JUMLAH MEL YANG DIKENDALIKAN MENGIKUT LAPANGAN TERBANG, MALAYSIA, 2016

Table 4.9 : Total Mail Handled by Airports, Malaysia, 2016

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	2016	2015	% +/-
KLIA	941	2,189	3,130	12,926	15,035	27,961	13,867	17,224	31,091	-	389	389	31,480	35,268	-10.7%
KLIA2	-	-	-	-	-	1	-	-	1	-	-	-	1	-	-
SUBANG	-	-	-	-	-	-	-	-	-	-	-	-	-	5	-
PULAU PINANG	31	-	32	-	-	-	31	-	32	7	-	7	39	27	47.3%
HOTA KINABALU	966	479	1,044	413	68	481	978	547	1,525	2	-	2	1,527	1,455	4.9%
RUCHING	226	97	322	-	-	0	226	97	322	-	-	-	322	543	-40.6%
LANGRAWI	134	40	174	-	-	0	134	40	174	-	-	-	174	286	-39.2%
KOTA BHARU	-	-	1	-	-	-	-	-	1	-	-	-	1	179	-99.7%
IPOH	-	38	38	-	117	117	-	155	155	-	-	-	155	1	23140.6%
KUALA TERENGGANU	-	-	-	-	-	-	-	-	-	-	-	-	-	39	-100.0%
ALOR SETAR	-	412	412	-	-	-	-	412	412	-	-	-	412	430	-4.0%
MELARA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HUANTAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TIOMAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PANGHOR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LABUAN	358	68	426	-	-	-	358	68	426	-	1	1	426	427	-0.1%
LAHAD DATU	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-100.0%
SANDAKAN	47	6	52	-	-	-	47	6	52	-	-	-	52	71	-26.3%
TAWAU	258	6	264	-	-	-	258	6	264	-	-	-	264	267	-1.3%
BINTULU	16	-	16	-	-	-	16	-	16	-	-	-	16	54	-70.0%
MIRI	94	1	95	-	-	-	94	1	95	-	-	-	95	2,657	-96.4%
SIBU	704	8	713	-	-	-	704	8	713	-	-	-	713	473	50.9%
MULU	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LIMBANG	2	44	46	-	-	-	2	44	46	-	-	-	46	44	3.9%
STOL SABAH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STOL SARAWAK	-	2	2	-	-	-	-	2	2	-	-	-	2	33	-94.7%
SEMANJUNG Peninsular	1,107	2,679	3,786	12,926	15,152	28,078	14,033	17,832	31,864	7	389	397	32,261	36,234	-11.0%
SABAH	1,227	559	1,786	413	68	481	1,640	627	2,267	2	1	3	2,269	2,220	2.2%
SARAWAK	1,042	152	1,194	0	-	0	1,042	152	1,194	0	-	0	1,195	3,805	-68.6%
JUMLAH Total	3,376	3,391	6,766	13,339	15,220	28,559	16,715	18,611	35,325	10	390	400	35,725	42,259	-15.5%

SUMBER / Source : MALAYSIA AIRPORTS HOLDINGS BERHAD


JADUAL 4.10 : JUMLAH PERGERAKAN PESAWAT PERDAGANGAN YANG DIKENDALIKAN MENGIKUT LAPANGAN TERBANG, MALAYSIA, 2007-2016
Table 4.10 : Total Commercial Aircraft Movements Handled by Airports, Malaysia, 2007-2016

LAPANGAN TERBANG Airports	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
KLIA	192,304	209,681	225,251	244,179	268,265	282,290	325,537	339,650	353,270	186,965
KLIA2	-	-	-	-	-	-	-	-	-	168,954
SUBANG	7,234	11,448	19,897	24,509	30,779	33,224	41,707	56,629	62,911	61,450
PULAU PINANG	34,508	38,335	38,343	44,753	50,610	49,966	56,760	63,396	64,527	64,428
KOTA KINABALU	49,881	52,463	52,677	55,089	59,638	58,366	67,601	68,776	66,945	69,292
KUCHING	34,192	36,087	41,437	42,940	49,613	43,981	53,095	50,917	50,738	48,562
LANGKAWI	10,828	12,242	12,638	13,274	14,510	15,162	17,675	21,722	22,232	23,797
JOHOR BHARU	-	-	13,552	11,934	12,626	12,501	37,998	42,976	41,892	42,557
KOTA BHARU	13,074	14,083	13,709	13,180	15,304	17,112	20,527	25,028	28,228	26,666
IPOH	12	183	384	844	1,536	1,515	1,464	1,960	3,684	3,632
KUALA TERENGGANU	4,533	6,038	6,006	5,959	6,006	6,506	7,365	9,659	10,625	11,049
ALOR SETAR	2,668	2,934	4,578	4,513	4,841	5,274	5,795	8,421	9,472	10,260
MELAKA	714	700	616	584	466	1,053	580	320	1,536	1,294
KUANTAN	3,253	3,334	2,947	2,628	3,178	3,395	3,289	3,572	3,906	3,186
TIOMAN	1,597	1,603	1,662	1,662	1,766	1,682	1,538	272	-	-
PANGHOR	517	503	502	174	32	324	258	8	-	-
REDANG	1,053	1,083	862	1,356	1,319	877	955	430	-	-
LABUAN	10,127	11,212	10,868	11,988	12,645	13,448	15,072	15,533	13,168	10,924
LAHAD DATU	2,195	2,922	2,922	2,860	2,941	3,058	3,321	3,689	3,646	3,455
SANDAKAN	7,719	8,991	10,214	12,095	10,757	12,177	11,536	11,715	11,267	10,820
TAWAU	6,863	7,334	8,885	9,723	9,328	9,689	11,784	12,832	12,401	11,687
BINTULU	6,542	8,933	10,948	10,994	11,270	11,444	12,428	12,246	12,197	11,807
MIRI	33,022	35,178	38,836	39,509	40,931	42,351	44,875	46,504	45,039	42,633
SIBU	11,765	14,307	16,275	17,899	18,211	15,923	17,196	17,878	18,252	17,156
MULU	1,638	1,642	1,570	1,726	1,912	1,760	2,306	2,701	2,381	2,375
LIMBANG	2,300	1,860	1,977	1,947	1,896	1,880	2,075	2,154	2,226	2,647
STOL SABAH	338	459	-	167	264	192	231	226	234	608
STOL SARAWAK	12,457	12,716	12,140	13,538	14,118	13,534	12,886	15,324	16,455	18,337
SEMENANJUNG Peninsular	272,295	302,167	340,876	369,549	411,238	430,881	521,448	574,043	602,283	603,838
SABAH	77,123	83,381	85,566	91,922	95,573	96,930	109,545	112,771	107,661	106,786
SARAWAK	101,916	110,723	122,903	128,553	137,951	130,873	144,861	147,724	147,288	143,517
JUMLAH Total	451,334	496,271	549,345	590,024	644,762	658,684	775,854	834,538	857,232	854,141

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


JADUAL 4.11 : JUMLAH PERGERAKAN PESAWAT PERDAGANGAN YANG DIKENDALIKAN MENGIKUT LAPANGAN TERBANG, MALAYSIA, 2016

Table 4.11 : Total Commercial Aircraft Movements Handled by Airports, Malaysia, 2016

LAPANGAN TERBANG Airports	DALAM NEGERI Domestic			ANTARABANGSA International			JUMLAH Total			PERBANDINGAN TAHUN KE TAHUN Year on Year Comparison		
	BERJADUAL Scheduled	TIDAK BERJADUAL Non Scheduled	JUMLAH Total	BERJADUAL Scheduled	TIDAK BERJADUAL Non Scheduled	JUMLAH Total	BERJADUAL Scheduled	TIDAK BERJADUAL Non Scheduled	JUMLAH Total	2016	2015	% +/-
KLIA	56,853	444	57,297	128,261	1,007	129,268	185,114	1,451	186,565	186,565	353,270	-47.2%
KLIA2	59,001	18	59,019	109,788	147	109,935	168,789	165	168,954	168,954	-	-
SUBANG	53,798	-	53,798	7,652	-	7,652	61,450	-	61,450	61,450	62,911	-2.3%
PULAU PINANG	39,577	-	39,577	24,851	-	24,851	64,428	-	64,428	64,428	64,527	-0.2%
ROTA KINABALU	48,694	4,849	53,543	15,749	-	15,749	64,443	4,849	69,292	69,292	66,945	3.5%
KUCHING	41,869	3,728	45,597	2,774	191	2,965	44,643	3,919	48,562	48,562	50,738	-4.3%
LANGRAWI	21,903	-	21,903	1,894	-	1,894	23,797	-	23,797	23,797	22,232	7.0%
JOHOR BHARU	23,825	14,212	38,037	3,248	1,272	4,520	27,073	15,484	42,557	42,557	41,892	1.6%
KOTA BHARU	23,929	2,737	26,666	-	-	-	23,929	2,737	26,666	26,666	28,228	-5.5%
IPOH	1,093	-	1,093	2,539	-	2,539	3,632	-	3,632	3,632	3,684	-1.4%
KUALA TERENGGANU	11,049	-	11,049	-	-	-	11,049	-	11,049	11,049	10,625	4.0%
ALOR SETAR	10,250	-	10,250	6	4	10	10,256	4	10,260	10,260	9,472	8.3%
MELAKA	569	-	569	725	-	725	1,294	-	1,294	1,294	1,536	-15.8%
KUANTAN	2,410	-	2,410	776	-	776	3,186	-	3,186	3,186	3,906	-18.4%
TIOMAN	-	-	-	-	-	-	-	-	-	-	-	-
PANGKOR	-	-	-	-	-	-	-	-	-	-	-	-
REDANG	-	-	-	-	-	-	-	-	-	-	-	-
LABUAN	9,428	1,294	10,682	235	7	242	9,663	1,261	10,924	10,924	13,168	-17.0%
LAHAD DATU	3,427	28	3,455	-	-	-	3,427	28	3,455	3,455	3,646	-5.2%
SANDAKAN	9,996	811	10,807	-	13	13	9,996	824	10,820	10,820	11,267	-4.0%
TAWAU	11,103	261	11,364	313	10	323	11,416	271	11,687	11,687	12,401	-5.8%
BINTULU	10,569	1,229	11,798	-	9	9	10,569	1,238	11,807	11,807	12,197	-3.2%
MIRI	33,595	7,876	41,471	1,150	12	1,162	34,745	7,888	42,633	42,633	45,039	-5.3%
SIBU	17,155	-	17,155	1	-	1	17,156	-	17,156	17,156	18,252	-6.0%
MULU	2,375	-	2,375	-	-	-	2,375	-	2,375	2,375	2,381	-0.3%
LIMBANG	2,647	-	2,647	-	-	-	2,647	-	2,647	2,647	2,226	18.9%
STOL SABAH	608	-	608	-	-	-	608	-	608	608	234	159.8%
STOL SARAWAK	18,337	-	18,337	-	-	-	18,337	-	18,337	18,337	16,455	11.4%
SEMANANJUNG Peninsular	304,257	17,411	321,668	279,740	2,430	282,170	583,997	19,841	603,838	603,838	602,283	0.3%
SABAH	83,256	7,203	90,459	16,297	30	16,327	99,553	7,233	106,786	106,786	107,661	-0.8%
SARAWAK	126,547	12,833	139,380	3,925	212	4,137	130,472	13,045	143,517	143,517	147,288	-2.6%
JUMLAH Total	514,060	37,447	551,507	299,962	2,672	302,634	814,022	40,119	854,141	854,141	857,232	-0.4%

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



JADUAL 4.12 : PERGERAKAN TRAFIK DI ANTARA LAPANGAN TERBANG-LAPANGAN TERBANG MALAYSIA (TERMASUK SINGAPURA), 2016

Table 4.12 : Traffic Movements Between Malaysian Airports (Including Singapore), 2016

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	232,000	229,983	461,983	153,855	222,403	376,258	412,558	16	412,574
KUALA LUMPUR	-	IPOH	-	-	-	-	-	-	-	-	-
KUALA LUMPUR	-	JOHOR BHARU	409,596	379,273	788,869	425,760	1,058,376	1,484,136	15,428	230	15,658
KUALA LUMPUR	-	KOTA BHARU	640,156	629,990	1,270,146	344,323	512,697	857,020	436	147	583
KUALA LUMPUR	-	KOTA KINABALU	1,298,707	1,280,318	2,579,025	10,395,394	14,866,661	25,262,055	422,819	482,067	904,886
KUALA LUMPUR	-	TERENGGANU	303,998	299,263	603,261	25,705	201,488	227,193	10	-	10
KUALA LUMPUR	-	KUANTAN	100,672	100,312	200,984	400	44,295	44,695	765	-	765
KUALA LUMPUR	-	HUCHING	1,152,578	1,151,298	2,303,876	6,179,041	17,629,379	23,808,420	4	216,871	216,875
KUALA LUMPUR	-	LABUAN	168,459	170,868	339,327	196,951	2,193,432	2,390,383	30,579	309,610	340,189
KUALA LUMPUR	-	LANGKAWI	940,581	934,010	1,874,601	189,074	678,173	867,247	39,529	135,112	174,641
KUALA LUMPUR	-	MIRI	414,506	409,896	824,402	723,403	5,081,198	5,804,601	-	36,567	36,567
KUALA LUMPUR	-	PULAU PINANG	1,063,353	1,031,161	2,094,514	3,703,013	7,597,913	11,300,926	-	33,402	33,402
KUALA LUMPUR	-	SINGAPURA	1,905,245	1,935,123	3,840,368	14,941,108	13,612,179	28,553,287	584,892	869,576	1,454,468
KUALA LUMPUR	-	SIBU	345,427	344,863	690,290	566,939	1,895,201	2,462,140	5,487	673,262	678,749
KUALA LUMPUR	-	TAWAU	306,403	300,837	607,240	6,430,803	2,178,472	8,609,275	7,556	252,336	259,892
PULAU PINANG	-	LANGKAWI	128,102	127,639	255,741	22,940	23,010	45,950	-	-	-
PULAU PINANG	-	SINGAPURA	608,637	617,980	1,226,617	5,188,249	3,258,146	8,446,395	6	-	6
KOTA KINABALU	-	JOHOR BHARU	121,548	125,162	246,710	-	-	-	-	-	-
KOTA KINABALU	-	TAWAU	293,834	292,736	586,570	1,035,876	174,826	1,210,702	33	7,265	7,298
KOTA KINABALU	-	LABUAN	54,746	56,952	111,698	71,313	244,632	315,945	39,712	47,862	87,574
KOTA KINABALU	-	LAHAD DATU	71,333	69,032	140,365	34,085	95,113	129,198	-	-	-
KOTA KINABALU	-	MIRI	117,954	116,358	234,312	980	184,010	184,990	-	106	106
KOTA KINABALU	-	SIBU	34,337	34,832	69,169	1,635	84,660	86,295	38	-	38
KOTA KINABALU	-	HUCHING	204,943	200,839	405,782	365,161	375,599	740,760	43,644	45	43,689
KOTA KINABALU	-	SINGAPURA	89,434	96,237	185,671	115,906	88,174	204,080	2	-	2
HUCHING	-	JOHOR BHARU	175,217	173,078	348,295	-	-	-	-	-	-
HUCHING	-	PULAU PINANG	78,131	79,673	157,804	4,004	193	4,197	-	-	-
HUCHING	-	SINGAPURA	124,926	131,979	256,905	389,316	385,267	774,583	3	-	3
BINTULU	-	MIRI	16,990	17,693	34,683	1,176	574	1,750	-	-	-
MIRI	-	LABUAN	54,930	56,383	111,313	5,091	10,481	15,572	48	91	139
MIRI	-	SIBU	51,091	50,778	101,869	3,993	2,670	6,663	436	862	1,298
SANDARAN	-	TAWAU	16,206	16,301	32,507	5,746	3,560	9,306	-	-	-
LANGKAWI	-	SINGAPURA	90,436	93,310	183,746	43,013	1,709	44,722	3	-	3
MIRI	-	JOHOR BHARU	23,697	24,638	48,335	-	-	-	-	-	-

SUMBER / Source : MALAYSIA AIRPORTS HOLDINGS BERHAD



JADUAL 4.13 : PERGERAKAN TRAFIK UNTUK PERKHIDMATAN UDARA LUAR BANDAR, SABAH DAN SARAWAK, 2016

Table 4.13 : Traffic Movements for Rural Air Services, Sabah and Sarawak, 2016

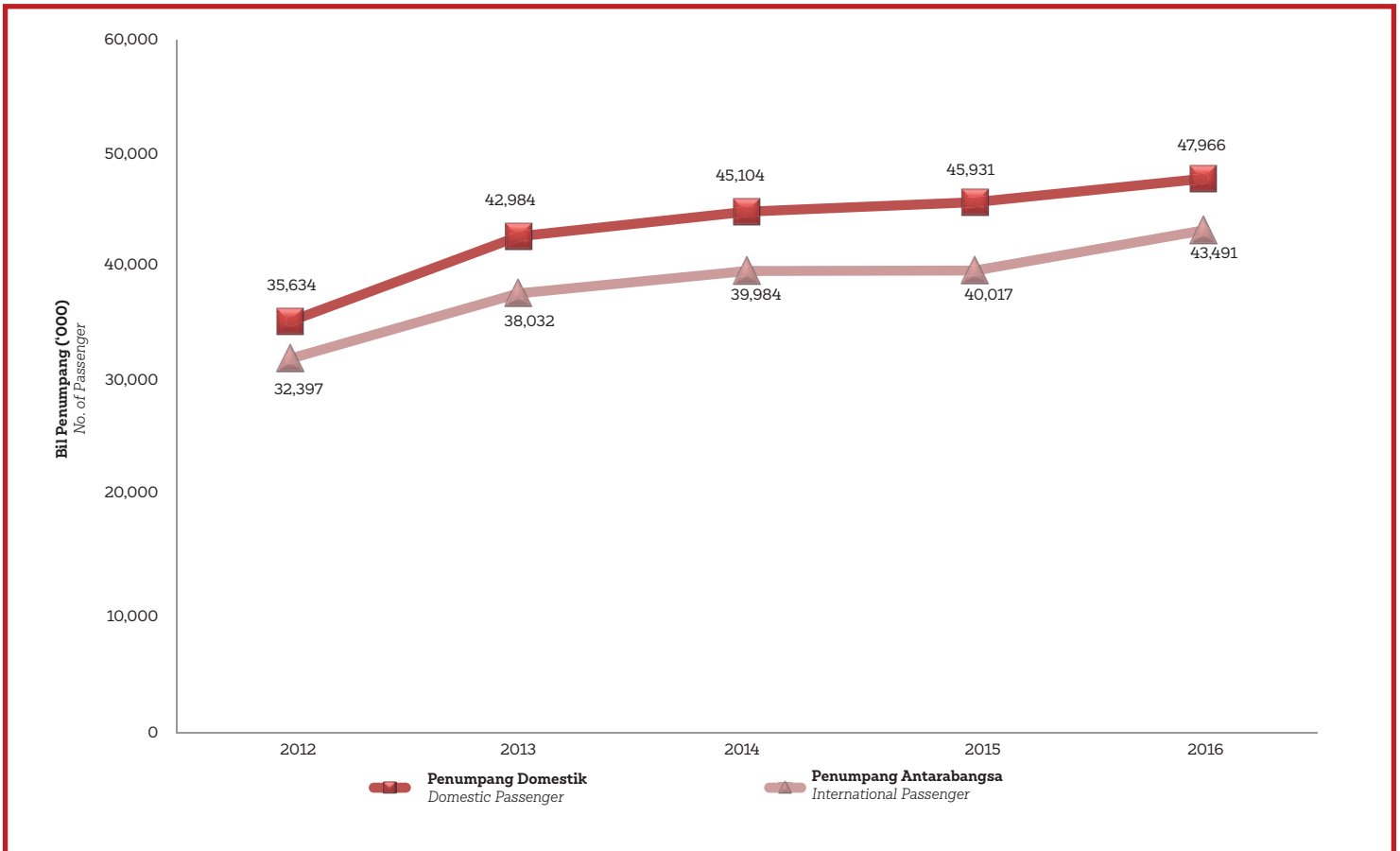
SEKTOR / Sector			PENUMPANG / Passenger			KARGO (RG) / Cargo (RG)			MEL (RG) / Mail (RG)		
A	-	B	(A-B)	(B-A)	JUMLAH Total	(A-B)	(B-A)	JUMLAH Total	(A-B)	(B-A)	JUMLAH Total
SABAH											
BARIO	-	MARUDI	-	-	-	-	-	-	-	-	-
BELAGA	-	BINTULU	-	-	-	-	-	-	-	-	-
BINTULU	-	MUKAH	135	160	295	-	-	-	-	-	-
KOTA RINABALU	-	RUDAT	126	141	267	-	-	-	-	-	-
KOTA RINABALU	-	SANDAKAN	228,980	224,526	453,506	1,517,485	143,640	1,661,125	41	4,843	4,884
KOTA RINABALU	-	BINTULU	26,700	26,009	52,709	1,032	22,679	23,711	2	-	2
KUDAT	-	SANDAKAN	532	417	949	-	-	-	-	-	-
LAWAS	-	KOTA RINABALU	121	116	237	-	-	-	-	-	-
LIMBANG	-	KOTA RINABALU	588	599	1,187	-	-	-	-	-	-
MIRI	-	BARIO	9,380	8,823	18,203	-	-	-	-	-	-
SANDAKAN	-	TOMANGGONG	-	-	-	-	-	-	-	-	-
SANDAKAN	-	TAWAU	16,206	16,301	32,507	5,746	3,560	9,306	-	-	-
JUMLAH/ Total			282,768	277,092	559,860	1,524,263	169,879	1,694,142	43	4,843	4,886
SARAWAK											
KUCHING	-	BINTULU	141,811	142,728	284,539	30,117	104,125	134,242	7	8,252	8,259
KUCHING	-	LABUAN	-	-	-	951,365	540	951,905	-	-	-
KUCHING	-	MIRI	271,695	270,734	542,429	856,181	279,893	1,136,074	59	12,592	12,651
KUCHING	-	SIBU	228,843	226,719	455,562	103,037	176,417	279,454	2,176	32,700	34,876
KUCHING	-	MUKAH	13,927	12,834	26,761	10	2,266	2,276	-	-	-
LAWAS	-	MIRI	17,843	17,880	35,723	123	519	642	-	-	-
LIMBANG	-	MIRI	26,999	27,552	54,551	183,117	252,420	435,537	13	44,295	44,308
LIMBANG	-	LAWAS	137	124	261	-	-	-	-	-	-
MARUDI	-	MIRI	8,863	9,660	18,523	-	-	-	-	-	-
MIRI	-	MULU	18,920	19,691	38,611	-	222,482	222,482	-	-	-
MIRI	-	SIBU	51,091	50,778	101,869	3,993	2,670	6,663	436	862	1,298
MURAH	-	MIRI	3,142	3,914	7,056	-	-	-	-	-	-
MURAH	-	SIBU	472	309	781	-	-	-	-	-	-
SIBU	-	BINTULU	10,576	11,407	21,983	106	475	581	19	356	375
JUMLAH/ Total			794,319	794,330	1,588,649	2,128,049	1,041,807	3,169,856	2,710	99,057	101,767

SUMBER / Source : MALAYSIA AIRPORTS HOLDINGS BERHAD



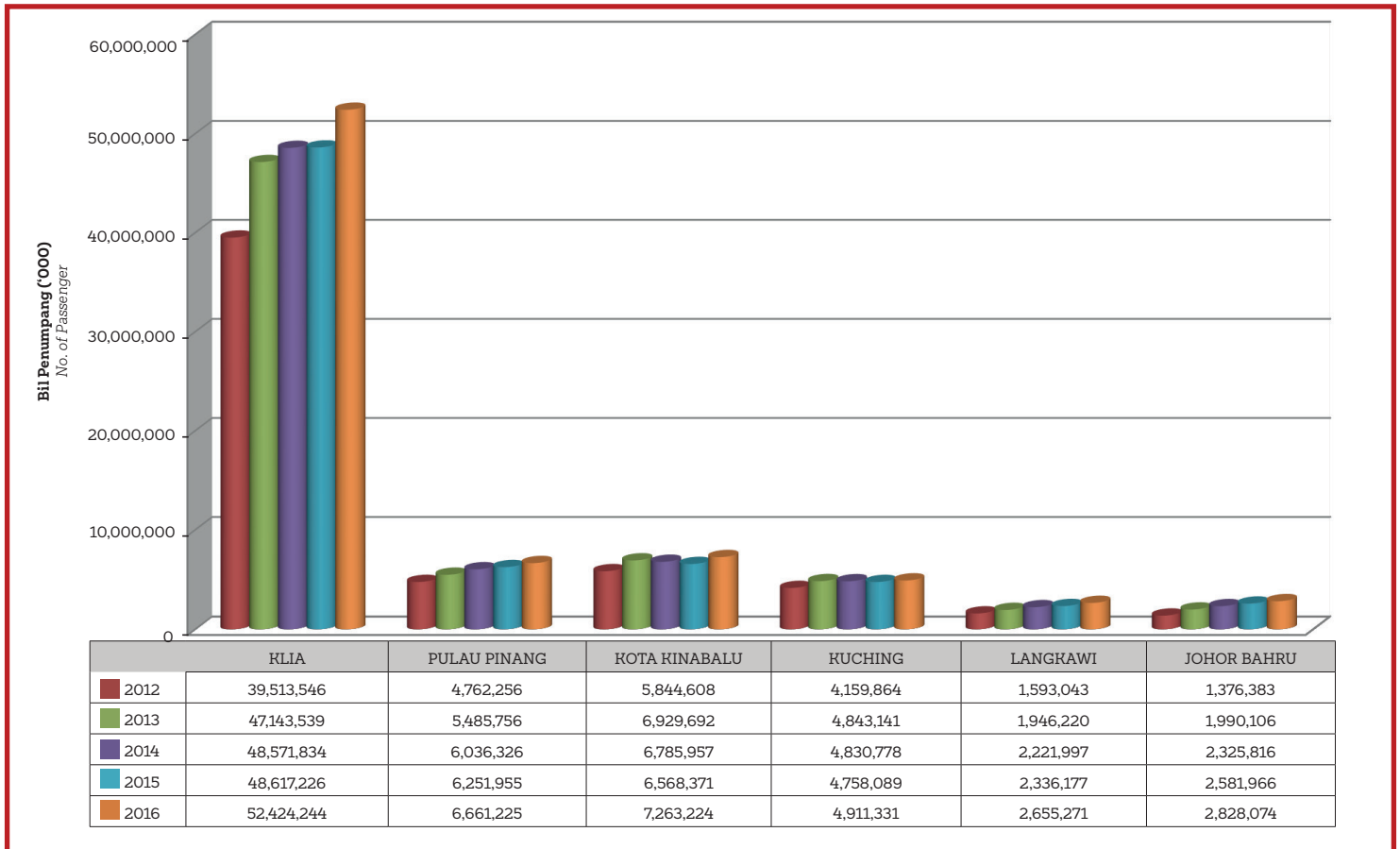
Carta 4.1 : JUMLAH PENUMPANG DOMESTIK DAN ANTARABANGSA YANG DIKENDALIKAN DI LAPANGAN TERBANG, MALAYSIA, 2012-2016

Chart 4.1 : Total Number of Domestic and International Passengers Handled by Airport, Malaysia, 2012-2016



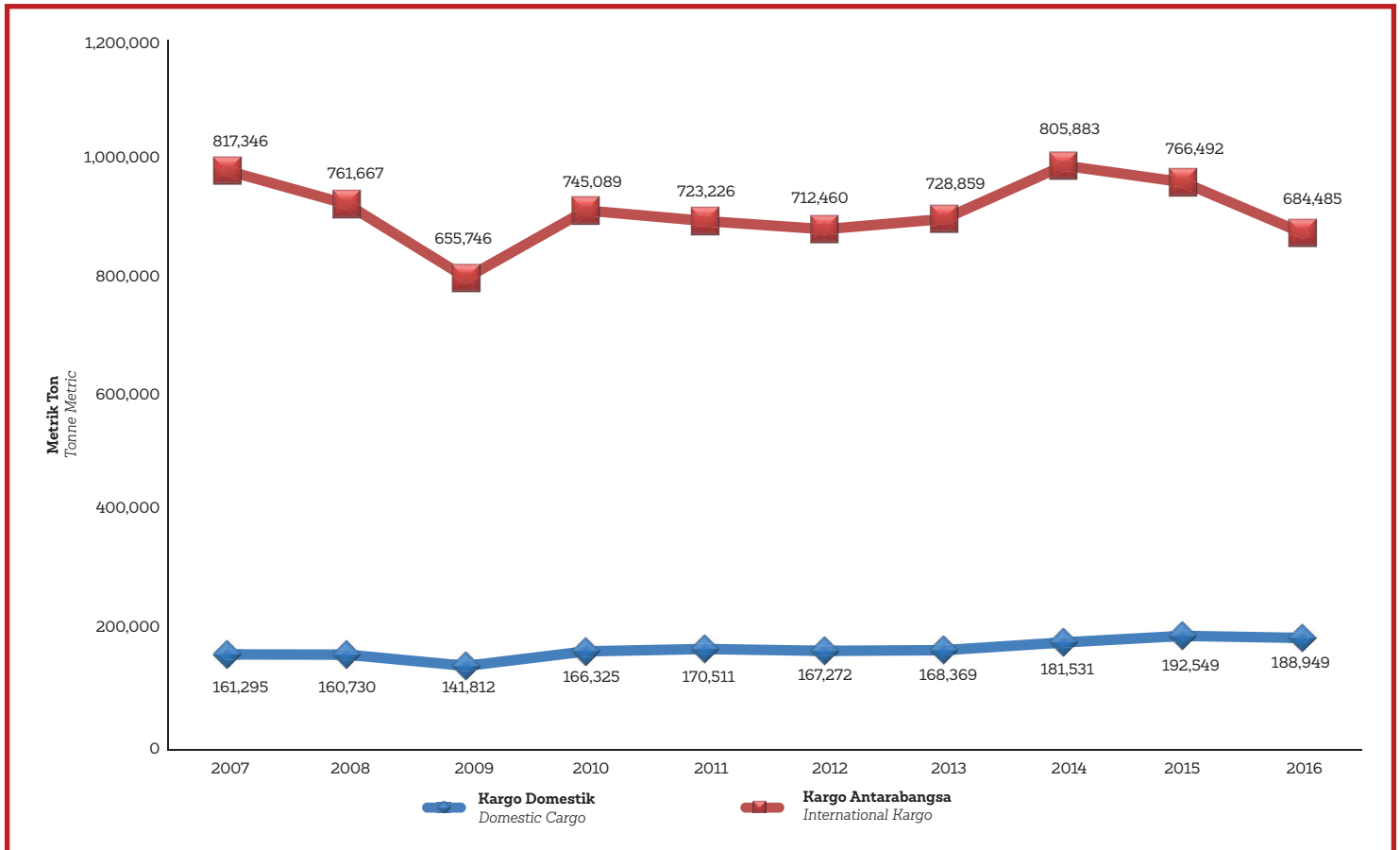
Carta 4.2 : JUMLAH PENUMPANG DOMESTIK DAN ANTARABANGSA YANG DIKENDALIKAN DI LAPANGAN TERBANG, MALAYSIA, 2012-2016

Chart 4.1 : Total Number of Domestic and International Passengers Handled by Airport, Malaysia, 2012-2016



Carta 4.3 : JUMLAH KARGO DOMESTIK DAN ANTARABANGSA YANG DIKENDALIKAN DI LAPANGAN TERBANG, MALAYSIA, 2007-2016

Chart 4.3: Total Domestic and International Cargo Handled by Airport, Malaysia, 2007-2016



CARTA 4.4 : JUMLAH KARGO YANG DIKENDALIKAN OLEH LAPANGAN TERBANG ANTARABANGSA, MALAYSIA, 2012-2016

Chart 4.4 :Total Cargo Handled by International Airports , Malaysia, 2012-2016

