



STATISTIK PENGANGKUTAN MALAYSIA
TRANSPORT STATISTICS MALAYSIA
2012

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MALAYSIA

PRAKATA STATISTIK PENGANGKUTAN 2012

PREFACE TRANSPORT STATISTICS 2012

Statistik Pengangkutan Malaysia 2012 memaparkan data terpilih untuk sektor pengangkutan darat termasuk rel, maritim dan udara di Malaysia. Beberapa penunjuk utama terpilih berserta carta telah disediakan bagi membantu pengguna memahami perkembangan dan arah aliran sektor pengangkutan di Malaysia.

Objektif utama penerbitan Laporan ini ialah untuk membekalkan huraian maklumat terkini berhubung dengan sektor pengangkutan. Antara yang utama ialah mengenai komposisi kenderaan bermotor, pesawat dan kapal, rangkaian rel dan udara serta pergerakan trafik penumpang dan kargo di peringkat domestik dan antarabangsa.

Penerbitan Laporan ini pastinya dapat dijadikan bahan rujukan yang mudah dan bernilai kepada para penggubal dasar, peneraju industri, penyelidik, ahli akademik dan komuniti awam.

Kementerian Pengangkutan akan terus memberi perhatian dan penekanan ke atas perkembangan sektor pengangkutan agar dapat merealisasikan hasrat Kerajaan yang ingin mewujudkan sistem pengangkutan yang lebih komprehensif.

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

Transport Statistics Malaysia 2012 presents selected statistical information on land including rail, maritime, aviation and land including rail in Malaysia. Selected key indicators with charts have been incorporated to assist users in understanding the development and trends of the transport sector in Malaysia.

The main objective of the publication of this report is to provide current information on the description of the transport sector. The most important of which is the composition of motor vehicles, ships and aircrafts, rail and air networks, domestic and international passenger and cargo movements.

Publication of this report would serve as useful, convenient and valuable reference to policy-makers, industry leaders, researchers, academics and the wider community.

Ministry of Transport in this regard will continue to focus and place emphasis on the development of the transport sector in order to attain the national aspiration of providing a comprehensive transport system network.

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



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Road Transport Department
- Jabatan Laut Malaysia
Marine Department, Malaysia
- Jabatan Laut Wilayah Tengah
Marine Department, Central Region
- Keretapi Tanah Melayu Berhad
Keretapi Tanah Melayu Berhad
- Suruhanjaya Pengangkutan Awam Darat
Land Public Transport Commission
- 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
- Rapid KL Sdn Bhd
Rapid KL Sdn Bhd
- KL Starrail Sdn Bhd
KL Starrail Sdn Bhd
- Express Rail Link Sdn Bhd
Express Rail Link Sdn Bhd



GLOSARI AKRONIM

ACRONYM GLOSSARY

ADT	-	Purata Trafik Harian / <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</i>	TACAN	-	<i>UHF Tactical Air Navigation Aid</i>
DVOR	-	<i>Doppler 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	-	Tidak Diperolehi / <i>Not Available</i>

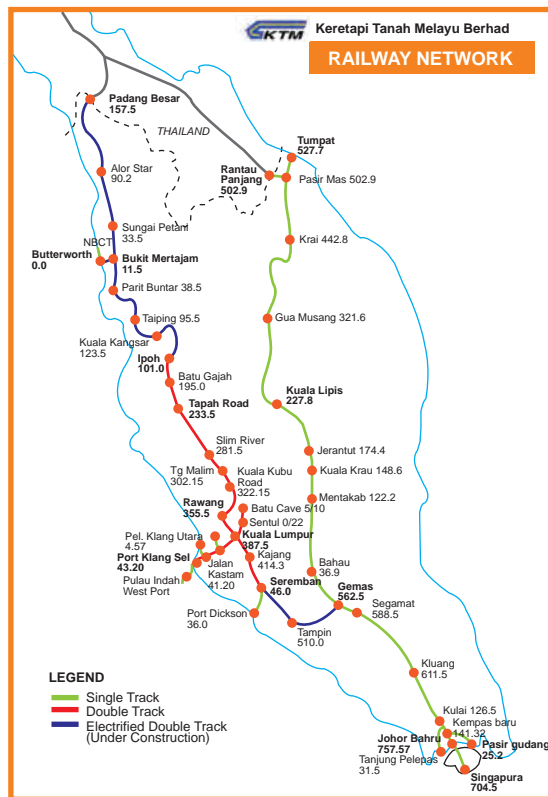


PETA Maps

Kementerian Pengangkutan Malaysia
Ministry of Transport Malaysia



RANGKAIAN PENGANGKUTAN REL SEMENANJUNG MALAYSIA Rail Transport Network of Peninsular Malaysia



KTMB's Network

- Route Length: 1,641 km
- Track Gauge: 1,000 mm
- No. of Stations: 136
- No. of Halts: 80
- Electrified Double Track (EDT) (338 km):
 - Rawang – Seremban; 105 km
 - Batu Caves – Port Klang; 53 km
 - Rawang - Ipoh; 180 km
- Electrified Double Track (EDT) under construction (423 km):
 - Ipoh – Padang Besar (329 km)
 - Seremban – Gemas (94 km)
- Single Track at East Coast (749 km):
 - Gemas – Woodlands; 221 km
 - Gemas – Tumpat; 528 km



RANGKAIAN PENGANGKUTAN REL SABAH *Rail Transport Network of Sabah*





LOKASI PELABUHAN-PELABUHAN PERSEKUTUAN SEMENANJUNG MALAYSIA

Federal Ports Location of Peninsular Malaysia



■ Pelabuhan-Pelabuhan Persekutuan
Federal Ports



LOKASI PELABUHAN-PELABUHAN NEGERI DAN PELABUHAN PERSEKUTUAN, SABAH

State and Federal Ports Location of Sabah



 Pelabuhan Persekutuan
Federal Port



 Pelabuhan-Pelabuhan Negeri
State Port



LOKASI PELABUHAN-PELABUHAN NEGERI DAN PELABUHAN PERSEKUTUAN, SARAWAK

State and Federal Ports Location of Sarawak



-  **Pelabuhan Persekutuan**
Federal Port
-  **Pelabuhan-Pelabuhan Negeri**
State Port



LOKASI LAPANGAN TERBANG SEMENANJUNG MALAYSIA

Airport Location of Peninsular Malaysia



-  Lapangan Terbang Antarabangsa
International airports
-  Lapangan Terbang Domestik
Domestic airports
-  Padang Terbang
Airstrips



LOKASI LAPANGAN TERBANG SABAH *Airport Location of Sabah*



- Lapangan Terbang Antarabangsa**
International airports
- Lapangan Terbang Domestik**
Domestic airports
- Padang Terbang**
Airstrips



LOKASI LAPANGAN TERBANG SARAWAK

Airport Location of Sarawak



-  **Lapangan Terbang Antarabangsa**
International airports
-  **Lapangan Terbang Domestik**
Domestic airports
-  **Padang Terbang**
Airstrips



PENGANGKUTAN DARAT Land Transport

Kementerian Pengangkutan Malaysia
Ministry of Transport Malaysia

JADUAL 1.11 : BILANGAN LESEN YANG DIKELUARKAN MENGIKUT KELAS LESEN, MALAYSIA, 2003–2012
 Table 1.11 : Number of Licenses Issued by Class of Licenses, Malaysia, 2003-2012

KELAS LESEN <i>Class of Licenses</i>	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
BAS <i>Busses</i>										
BERHENTI-HENTI <i>Stage</i>	97	151	519	361	540	513	385	259	636	70
EKSPRES <i>Express</i>	432	177	111	60	356	389	328	332	142	109
MINI <i>Mini</i>	12	13	19	-	11	12	121	18	211	1
PEKERJA <i>Employees</i>	596	347	260	128	361	675	255	429	12	391
PENGANTARA <i>Feeder</i>	11	11	8	14	-	58	127	66	591	2
CATAR <i>Chartered</i>	-	-	11*	5	19	378	181	232	12	27
SEKOLAH <i>School</i>	743	537	635	299	846	1,423	1,129	1,074	927	774
JUMLAH KECIL <i>Sub Total</i>	1,891	1,236	1,552	867	2,133	3,448	2,526	2,410	2,531	1,374
LORI <i>Lorries</i>										
"A"	4,540	5,085	5,373	3,875	12,492	14,913	16,152	16,118	14,664	8,689
"C"	1,130	834	714	554	1,746	2,061	2,464	2,614	2,250	1,400
JUMLAH KECIL <i>Sub Total</i>	5,670	5,919	6,087	4,429	14,238	16,974	18,616	18,732	16,914	10,089
TEKSI <i>Taxi</i>										
SEWA <i>Hire</i>	306	105	4	43	257	255	1,221	1,075	127	179
SEWA PANDU SENDIRI <i>Hire & Drive</i>	597	318	1,491	1,709	1,155	1,388	3,139	1,680	1,545	2,605
TEKSI <i>Taxi</i>	1,314	602	1,099	237	689	624	2,945	4,993	945	2,356
LAPANGAN TERBANG <i>Airport</i>	-	1	313	360	228	498	198	136	68	6
LIMOUSIN <i>Limousine</i>	48	40	72	25	292	131	97	60	4,965	98
JUMLAH KECIL <i>Sub Total</i>	2,265	1,066	2,979	2,374	2,621	2,896	7,600	7,944	7,650	5,244
JUMLAH KESELURUHAN <i>Grand Total</i>	9,826	8,221	10,618	7,670	18,992	23,318	28,742	29,086	27,095	16,707

SUMBER : LEMBAGA PERLESENAN KENDERAAN PERDAGANGAN, SURUHANJAYA PENGANGKUTAN AWAM DARAT

Source : Commercial Vehicles Licensing Board, Land Public Transport Commission

* : PADA TAHUN 2005, KELAS LESEN BAS CATAR TELAH DIPERKENALKAN
 Class of chartered bus licenses was introduced in 2005



JADUAL 1.12 : PURATA TRAFIK HARIAN (ADT) DI 63 LOKASI, SEMENANJUNG MALAYSIA, 2003–2012
 Table 1.12 : Average Daily Traffic (ADT) at 63 Locations, Peninsular Malaysia, 2003-2012

BIL No	STESAN Station	KM	LOKASI Location	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
PERAK													
1	AR 101	106.6	Ipoh - Tanjung Malim (<i>Slim River toll house</i>)	10,416	11,246	11,892	13,555	16,031	13,854	15,038	15,322	15,443	14,431
2	AR 204	78.9	Ipoh - Lumut	19,576	19,594	19,764	20,907	21,192	21,138	23,920	22,389	26,134	25,283
3	AR 301	35.9	Ipoh - Kampar	23,403	23,243	22,677	24,314	20,703	23,050	23,659	31,022	33,342	27,497
4	AR 303	5.6	Ipoh - Gopeng	56,044	57,852	58,955	62,597	66,573	71,205	79,513	84,135	80,836	85,819
5	AR 501	30.4	Ipoh - Kuala Kangsar (500m north of Sg. Siput town)	14,510	15,298	15,079	15,399	17,927	18,036	19,085	19,426	24,750	19,251
6	AR 601	79.7	Ipoh - Batu Hampar - Changkat Jering	5,984	3,068	9,527	15,758	13,152	16,091	16,752	10,371	11,726	19,410
7	AR 603	82.1	Ipoh - Changkat Jering - Semanggol	13,374	15,442	8,817	2,667	16,365	10,034	7,076	10,270	16,975	12,586
8	AR 703	106.3	Ipoh - Teluk Intan - Simpang Empat	20,345	20,976	21,284	23,258	5,774	24,244	25,159	25,365	27,504	28,465
9	AR 801	96.6	Ipoh - Kuala Kangsar - Gerik	6,563	6,798	6,931	4,169	5,774	2,509	2,715	1,724	3,421	3,562
10	AR 803	2.4	Lebuh Raya Timur - Barat	1,996	2,269	2,608	2,906	3,124	2,945	3,078	3,337	3,463	3,944
SELANGOR													
11	BR 102	3.5	Klang - Port Klang (Jalan Watson)	48,319	47,213	45,006	35,132	47,105	47,817	46,690	52,901	59,753	57,835
12	BR 108	-	300m From The Federal Highway's Junction - North Klang Straits Bypass	107,975	112,600	111,393	109,893	117,571	129,408	122,468	141,121	149,246	140,780
13	BR 203	48.3	Klang - Morib - Batu Laut	5,913	6,445	6,311	6,709	6,400	6,711	7,023	7,101	7,467	7,128
14	BR 405	45.1	Kuala Lumpur - Kepong - Kuala Selangor	23,096	19,427	20,593	21,287	22,675	19,991	20,938	22,822	25,303	23,648
15	BR 501	72.1	Klang - Sabak Bernam	14,145	13,782	15,230	17,456	19,393	19,977	19,773	20,466	23,917	23,370
16	BR 604	21.7	Kuala Lumpur - Kajang	n.a	48,722	53,115	56,808	26,712	56,634	58,929	56,609	63,350	53,689
17	BR 701	58.6	Kuala Lumpur - Kuala Kubu Baru junction (south of junction)	9,741	8,883	9,396	9,896	11,712	12,307	13,209	18,293	14,773	13,320
18	BR 902	19.0	Kuala Lumpur - Karak Highway	137,364	138,783	146,831	141,362	172,362	137,870	13,209	129,345	158,767	151,486
PAHANG													
19	CR 102	67.0	Kuala Lumpur-Kuantan (along KL-Karak Highway)	16,348	16,350	17,038	19,707	22,273	20,703	22,224	28,109	30,418	28,470
20	CR 403	233.0	Kuantan-Marang	20,790	18,783	20,345	22,293	24,943	23,395	26,064	28,248	32,056	31,138
21	CR 410	32.5	Kuantan-Kemaman	16,098	15,316	16,470	188,840	23,396	20,260	22,249	22,079	25,606	22,911
22	CR 503	282.0	Kuala Lumpur-Kuala Lipis- Kampung Padang Tuanku-Kota Bharu	5,051	5,890	5,726	6,134	6,605	6,609	6,159	6,253	7,758	7,513
23	CR 603	3.0	Pekan-Nenasi	6,881	6,651	6,450	6,513	6,774	5,746	7,783	8,650	10,737	10,319
24	CR 801	115.0	Kuantan-Karak	16,616	13,474	13,906	11,003	12,429	11,567	11,614	9,029	12,757	13,281
25	CR 805	189.0	Kuantan-Marang	11,848	8,820	8,871	6,832	6,800	6,587	6,761	6,980	8,049	7,088
26	CR 902	-	Kuantan-Segamat (400m. Bkt. Ibam-Rompin junction north bound)	6,571	7,159	6,828	6,634	6,708	7,316	11,634	8,102	9,270	9,545

JADUAL 1.12 : PURATA TRAFIK HARIAN (ADT) DI 63 LOKASI, SEMENANJUNG MALAYSIA, 2003–2012 (S.A.M.B.)
Table 1.12 : Average Daily Traffic (ADT) at 63 Locations, Peninsular Malaysia, 2003-2012 (Cont'd)

BIL No	STESEN Station	KM	LOKASI Location	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
KELANTAN													
27	DR 201	19.3	Kota Bharu - Melor	23,218	28,378	24,934	22,900	40,141	29,890	43,222	31,602	41,732	42,433
28	DR 603	6.1	Km Lebuhraya Timur-Barat	4,287	4,229	4,509	4,807	5,572	2,704	5,296	5,440	6,449	6,275
29	DR 802	61.5	Kota Bharu - Kuala Krai	13,464	14,501	14,502	16,932	19,526	18,707	19,521	20,632	24,538	23,381
JOHOR													
30	JR 101	142.0	Johor Bahru - Batu Pahat - Muar	12,739	11,956	11,577	11,086	12,172	10,736	12,735	11,162	12,882	14,847
31	JR 104	127.2	Johor Bahru - Yong Peng - Muar	9,775	8,494	10,052	17,891	27,608	32,094	33,381	25,916	44,101	23,361
32	JR 108	116.0	Johor Bahru - Segamat	10,050	10,334	10,030	11,281	12,558	12,732	12,869	12,262	14,327	12,369
33	JR 205	12.7	Johor Bahru - Skudai	206,699	199,931	191,864	199,433	187,687	407,454	218,035	221,084	234,729	162,454
34	JR 218	-	1000m east junction to Masai	26,633	46,128	51,142	45,330	42,184	86,914	46,426	49,309	44,470	47,563
35	JR 305	76.0	Johor Bahru - Ayer Hitam	12,368	13,434	13,590	15,248	15,381	14,708	15,261	14,810	16,383	15,398
36	JR 306	49.5	Batu Pahat - Ayer Hitam - Kluang	32,325	34,299	30,642	31,429	30,941	33,897	33,572	34,964	40,647	39,674
37	JR 404	38.6	Johor Bahru - Kota Tinggi	18,761	20,418	9,799	19,289	18,786	5,231	19,182	20,302	22,117	23,273
38	JR 501	135.2	Johor Bahru - Endau (2.4km north of Mersing town)	12,157	13,507	13,986	17,332	18,354	17,192	16,688	15,598	14,789	13,411
39	JR 503	111.1	Johor Bahru - Kota Tinggi - Jemaluang (500 m south of Jemaluang)	3,917	4,000	5,970	4,049	4,336	4,246	4,477	4,633	4,929	4,490
40	JR 702	60.0	Johor Bahru - Pontian Kecil - Pontian Besar (near Pontian Hospital)	43,411	13,534	14,191	20,095	13,299	17,789	14,480	14,406	13,338	16,772
41	JR 801	199.5	Johor Bahru - Segamat - Batu Anam	10,464	10,932	10,947	12,282	13,707	14,145	14,648	15,237	17,359	15,875
KEDAH													
42	KR 202	20.6	Alor Setar - Changlun	30,168	33,110	32,409	37,853	35,020	51,314	34,715	30,402	35,907	42,822
43	KR 401	70.8	Alor Setar - Sungai Petani - Butterworth	21,967	21,885	22,259	21,067	20,419	16,123	19,052	24,002	24,415	23,141
44	KR 501	29.0	Alor Setar - Sungai Petani	18,535	18,893	19,452	20,396	25,382	17,586	19,169	19,387	21,579	19,249
MELAKA													
45	MR 206	22.9	Melaka - Muar	24,798	23,144	23,019	24,404	15,027	14,057	15,501	15,679	18,068	17,044
46	MR 301	25.0	Melaka - Kendong	20,678	19,873	16,414	9,971	11,235	11,057	9,986	11,472	12,611	11,170
47	MR 313	43.5	Melaka - Lubok Cina	6,164	6,246	6,068	7,255	9,310	8,179	7,709	7,858	8,892	8,480

SUMBER : KEMENTERIAN KERJA RAYA

Source : Ministry of Works



JADUAL 1.12 : PURATA TRAFIK HARIAN (ADT) DI 63 LOKASI, SEMENANJUNG MALAYSIA, 2003–2012 (S.A.M.B.)
 Table 1.12 : Average Daily Traffic (ADT) at 63 Locations, Peninsular Malaysia, 2003-2012 (Cont'd)

BIL No	STESEN Station	KM	LOKASI Location	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
NEGERI SEMBILAN													
48	NR 304	21.7	Seremban - Port Dickson	34,421	41,492	41,561	4,709	59,699	68,327	67,092	65,580	50,821	54,394
49	NR 403	42.7	Seremban - Tampin	13,733	13,076	13,191	13,074	13,405	12,990	13,073	12,690	13,822	12,832
50	NR 501	20.0	Seremban - Kuala Lumpur	13,495	12,718	13,410	14,844	15,723	14,329	12,530	36,195	12,739	11,397
51	NR 505	9.3	Seremban - Tampin (500 m outside town area)	40,978	41,027	43,096	39,714	39,540	38,197	33,697	35,708	47,941	57,639
PULAU PINANG													
52	PR 116	16.9	Butterworth - Taiping	35,534	34,280	34,076	50,151	49,833	53,451	56,601	56,349	66,252	56,932
53	PR 201	11.1	Georgetown - Teluk Bahang (Jln. Keliling Pulau)	19,425	20,717	20,242	22,884	25,931	24,392	24,799	27,334	28,694	28,442
54	PR 203	57.2	Georgetown - Bayan Lepas - Gelugor (Jln. Keliling Pulau)	36,582	36,122	36,412	41,843	42,223	43,232	47,285	50,776	56,045	59,900
PERLIS													
55	RR 105	3.2	Kangar - Alor Setar (Melalui Simpang Empat)	16,177	17,317	10,056	9,823	21,939	20,769	21,321	21,758	25,557	25,577
KUALA TERENGGANU													
56	TR 103	61.5	K. Terengganu - Jerteh - Kota Bharu	14,434	18,382	18,805	19,007	20,255	23,357	21,313	24,196	28,106	27,325
57	TR 202	78.9	K. Terengganu - Dungun - Kemaman	9,604	13,842	11,688	20,955	26,801	23,463	29,051	28,602	33,038	27,856
58	TR 305	48.0	Kuantan - K. Terengganu (Jln. Jabor - Jerangau)	3,872	4,112	4,033	4,079	5,762	5,363	5,381	5,590	7,208	7,566
59	TR 402	17.0	K. Terengganu - Kuantan	21,602	22,063	11,594	24,524	25,042	24,933	24,852	25,887	30,196	29,532
60	TR 502	33.0	K. Terengganu - Kg. Ajil - Jerangau	13,725	10,830	11,149	12,216	11,448	13,132	14,701	14,695	13,914	10,092
KUALA LUMPUR													
61	WR 102	12.1	Kuala Lumpur - Ipoh	164,701	152,455	155,016	150,874	171,266	161,161	214,746	277,797	303,701	252,341
62	WR 103	8.1	Kuala Lumpur - Ipoh	-	192,095	185,828	206,484	202,018	205,867	194,287	196,796	230,146	203,277
63	WR 105	8.1	Kuala Lumpur - Seremban Expressway	213,158	208,656	226,019	245,799	265,025	229,713	213,522	201,260	211,914	213,161

SUMBER : KEMENTERIAN KERJA RAYA
Source : Ministry of Works

JADUAL 1.13 : PURATA TRAFIK HARIAN (ADT) DI 16 LOKASI, SABAH DAN SARAWAK, 2003–2012*Table 1.13 : Average Daily Traffic (ADT) at 16 Locations, Sabah and Sarawak, 2003-2012*

BIL No	STESEN Station	KM	LOKASI Location	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
SABAH													
1	HR 101	4.8	Beaufort - Sindumin	4,077	4,902	5,805	7,042	12,391	7,454	4,811	4,924	6,562	5,422
2	HR 104	9.0	Tenom - Toman - Bekuku Highway	2,501	2,796	2,662	4,196	4,594	4,566	4,566	4,294	4,868	2,123
3	HR 201	22.5	Kota Kinabalu - Papar	3,029	3,124	3,416	3,541	5,246	6,453	7,968	9,370	12,970	14,491
4	HR 202	8.1	Donggongan - Tambunan	3,836	4,123	4,326	4,751	4,607	3,578	3,701	3,835	4,269	3,353
5	HR 204	69.0	Kota Kinabalu - Kudat (100mm From Longtigi Junction)	6,038	4,665	4,738	7,913	11,703	9,855	9,450	11,189	12,252	9,953
6	HR 501	31.4	Tawau - Semporna	16,981	19,330	12,948	10,938	21,450	16,850	9,407	6,977	11,039	10,455
7	HR 504	14.5	Sg. Segama Crossing	5,472	6,445	3,339	7,140	7,732	6,987	6,781	8,294	9,560	7,641
8	HR 506	68.0	20km from Semporna towards Tawau	2,771	3,464	6,795	1,670	3,679	2,585	2,663	2,711	3,381	2,742
9	HR 507	82.0	Tawau - Sandakan (Near Kunak Junction)	4,640	4,858	6,831	7,820	8,315	7,168	8,600	11,141	12,796	9,706
SARAWAK													
10	SR 101	16.1	Bau - Semantan	2,337	3,293	3,466	2,457	2,838	3,188	3,143	3,091	3,854	5,780
11	SR 103	27.4	Kucing - Serian	23,100	27,839	26,599	22,781	21,696	22,225	24,564	30,616	34,223	32,889
12	SR 401	20.0	Bintulu - Sibul	4,923	7,197	5,952	6,779	6,986	7,250	9,808	10,957	15,972	4,342
13	SR 402	29.0	Bintulu - Miri	3,426	4,903	5,702	4,828	5,357	5,924	7,880	8,507	4,596	5,355
14	SR 403	6.2	Miri - Bintulu (before junction to Airport)	23,612	24,487	18,046	10,345	9,138	9,984	11,060	10,506	13,432	11,805
15	SR 503	1.6	Limbang - Brunei Border (Sg. Padaruan)	20,944	21,535	18,016	16,317	14,301	16,319	14,141	19,032	14,871	11,014
16	SR 504	1.6	Lawas - Trusan	3,898	4,379	4,399	3,935	5,344	4,519	5,139	3,653	7,351	6,448

SUMBER : KEMENTERIAN KERJA RAYA
Source : Ministry of Works



JADUAL 1.14 : KOMPOSISI TRAFIK (%) MENGIKUT JENIS KENDERAAN DI 14 STESEN TERPILIH, MALAYSIA, 2012
 Table 1.14 : Traffic Composition (%) by Type of Vehicle at 14 Selected Stations, Malaysia, 2012

BIL No	STESEN Station	LOKASI Location	JENIS KENDERAAN Type of Vehicle						
			16 JAM TRAFIK 16 Hours Traffic	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	104,684	73.5	4.3	5.9	3.0	2.3	11.0
2	JR 501	Johor Bahru - Endau	13,411	49.9	7.6	7.6	4.0	0.9	30.0
3	NR 501	Seremban - Kuala Lumpur	11,397	58.8	7.8	10.2	5.9	1.0	16.3
4	PR 115	Butterworth - Taiping	43,137	57.1	5.7	6.6	2.2	0.7	27.7
5	AR 301	Ipoh - Kampar	27,497	66.0	7.1	8.8	4.5	1.4	12.2
6	KR 501	Alor Setar - Sungai Petani	19,249	57.7	5.7	6.4	4.3	0.5	25.4
7	CR 805	Kuantan - Maran	7,088	59.2	11.1	8.4	7.4	1.0	12.9
8	CR 902	Persimpangan Bukit Iban - Rompin Di Lebu Raya Kuantan - Segamat	9,545	54.1	17.2	8.7	9.8	0.8	9.4
9	TR 402	Kuala Terengganu - Kuantan	29,532	65.7	8.6	3.9	1.1	0.9	19.8
10	DR 802	Kota Bharu - Kuala Krai							
SABAH									
1	HR 201	Kota Kinabalu - Papar	14,491	61.7	20.6	8.3	3.3	1.0	5.1
12	HR 501	Tawau - Semporna	10,455	35.0	35.9	13.5	8.6	1.3	5.7
SARAWAK									
13	SR 103	Kuching - Serian	32,889	49.2	12.4	8.6	8.4	1.6	20.0
14	SR 402	Bintulu - Miri	5,355	48.3	20.7	7.1	14.1	2.3	7.5

SUMBER : KEMENTERIAN KERJA RAYA
 Source : Ministry of Works

JADUAL 1.15 : JUMLAH KEMALANGAN JALAN RAYA MENGIKUT NEGERI, MALAYSIA, 2003–2012

Table 1.15 : Total Road Accidents by States, Malaysia, 2003-2012

NEGERI State	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
JOHOR	36,445	41,854	42,606	43,757	46,584	48,667	51,747	55,381	59,501	62,316
KEDAH	12,456	14,196	14,484	15,505	16,172	16,520	17,701	17,966	19,699	19,935
KELANTAN	6,882	7,253	7,126	7,337	8,116	8,842	9,549	9,707	9,603	9,968
MELAKA	10,122	11,020	10,321	10,707	11,720	12,105	13,275	14,110	14,720	15,195
NEGERI SEMBILAN	13,868	14,505	14,461	15,197	16,079	17,362	18,369	19,407	21,157	22,146
PAHANG	12,303	13,349	13,381	13,242	13,982	15,548	17,068	17,315	19,001	20,554
PERAK	25,948	27,542	27,225	27,432	29,203	30,539	32,327	32,072	33,506	34,714
PERLIS	1,101	1,073	1,037	1,160	1,364	1,417	1,633	1,548	1,791	1,881
PULAU PINANG	27,817	31,008	30,934	32,573	33,881	34,049	33,719	34,306	37,158	37,851
SABAH	11,071	12,018	12,760	13,550	14,256	14,588	15,798	16,192	16,585	17,446
SARAWAK	12,483	13,865	14,209	14,808	15,196	15,488	16,655	17,253	17,964	18,578
SELANGOR	80,074	87,891	87,705	90,632	99,157	100,380	107,429	115,565	128,876	129,106
TERENGGANU	6,589	7,003	7,078	7,098	8,155	8,814	10,118	10,106	10,684	10,861
WILAYAH PERSEKUTUAN	41,492	44,240	45,000	46,254	49,454	48,671	51,942	53,493	58,795	61,872
JUMLAH Total	298,651	326,817	328,327	339,252	363,319	372,990	397,330	414,421	449,040	462,423

SUMBER : POLIS DIRAJA MALAYSIA

Source : Royal Malaysian Police



JADUAL 1.16 : JUMLAH KENDERAAN YANG TERLIBAT DALAM KEMALANGAN JALAN RAYA MENGIKUT JENIS KENDERAAN, MALAYSIA, 2003–2012

Table 1.16 : Total Motor Vehicles Involved in Road Accidents by Type of Vehicle, Malaysia, 2003-2012

TAHUN Year	MOTOSIKAL Motorcycle	MOTOKAR Motocar	VAN	BAS Bus	LORI Lorry	PEMACU 4 RODA Four Wheel Drive	TEKSI Taxi	BASIKAL Bicycle	LAIN-LAIN Others	JUMLAH Total
2003	95,545	351,832	20,277	9,673	42,753	16,429	6,632	2,993	9,500	555,634
2004	99,227	388,589	20,086	9,265	45,420	18,306	7,111	2,963	11,186	602,153
2005	97,072	376,061	19,085	8,594	42,062	19,106	7,043	2,751	9,362	581,136
2006	104,107	411,444	20,428	9,700	44,767	20,885	7,751	2,834	12,266	634,182
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

SUMBER : POLIS DIRAJA MALAYSIA

Source : Royal Malaysian Police

JADUAL 1.17 : JUMLAH KEMATIAN DISEBABKAN KEMALANGAN JALAN RAYA MENGIKUT TAHUN DAN NEGERI, MALAYSIA, 2003–2012

Table 1.17 : Total Deaths Caused by Road Accidents by Year and States, Malaysia, 2003-2012

NEGERI State	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
JOHOR	983	1,014	1,022	1,017	1,023	1,065	1,060	1,076	1,073	1,073
KEDAH	534	474	482	494	492	496	550	532	515	548
KELANTAN	314	279	292	331	374	380	453	380	392	392
MELAKA	228	259	227	232	227	243	248	235	240	243
NEGERI SEMBILAN	337	323	351	337	320	389	377	399	374	352
PAHANG	438	445	448	451	437	446	512	574	563	540
PERAK	739	798	713	726	811	829	829	820	811	753
PERLIS	54	34	63	63	41	69	90	66	79	71
PULAU PINANG	389	403	371	381	376	354	395	370	392	400
SABAH	310	300	319	296	316	325	345	447	398	450
SARAWAK	290	294	346	347	316	318	332	365	442	443
SELANGOR	1,083	1,050	1,064	1,050	1,025	1,083	976	1,061	1,070	1,102
TERENGGANU	311	301	271	307	290	293	348	314	292	301
WILAYAH PERSEKUTUAN	273	249	231	255	234	237	230	233	236	249
JUMLAH Total	6,283	6,223	6,200	6,287	6,282	6,527	6,745	6,872	6,877	6,917

SUMBER : POLIS DIRAJA MALAYSIA

Source : Royal Malaysian Police



JADUAL 1.18 : JUMLAH KECEDERAAN DAN KEMATIAN DISEBABKAN KEMALANGAN JALAN RAYA, MALAYSIA, 2003–2012

Table 1.18 : Total Casualties and Damages Caused by Road Accidents, Malaysia, 2003-2012

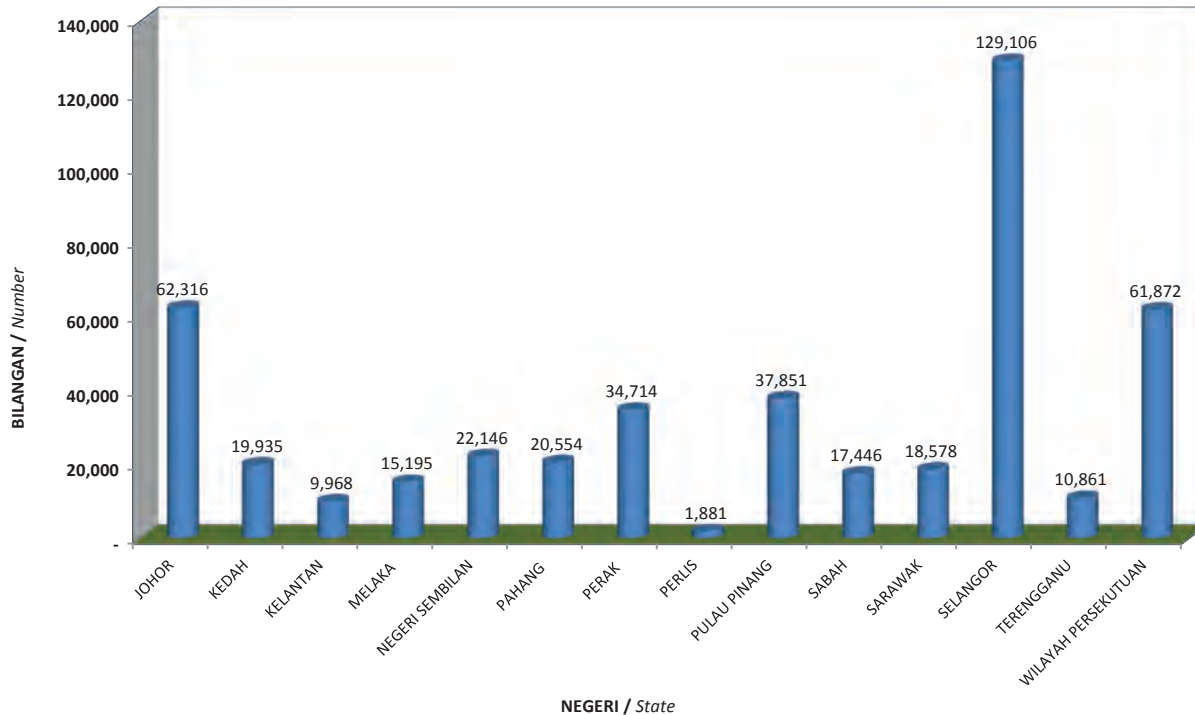
TAHUN <i>Year</i>	JUMLAH KEMALANGAN <i>Total Number of Accidents</i>	KECEDERAAN DAN KEMATIAN <i>Casualties</i>			JUMLAH <i>Total</i>
		MATI <i>Death</i>	PARAH <i>Serious</i>	RINGAN <i>Minor</i>	
2003	298,653	6,286	9,040	37,415	52,741
2004	326,817	6,228	9,229	38,631	54,088
2005	328,264	6,200	9,397	31,429	47,026
2006	339,252	6,287	9,254	19,884	35,425
2007	363,319	6,282	9,273	18,444	33,999
2008	372,990	6,527	8,866	16,901	32,294
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

SUMBER : POLIS DIRAJA MALAYSIA
Source : *Royal Malaysian Police*



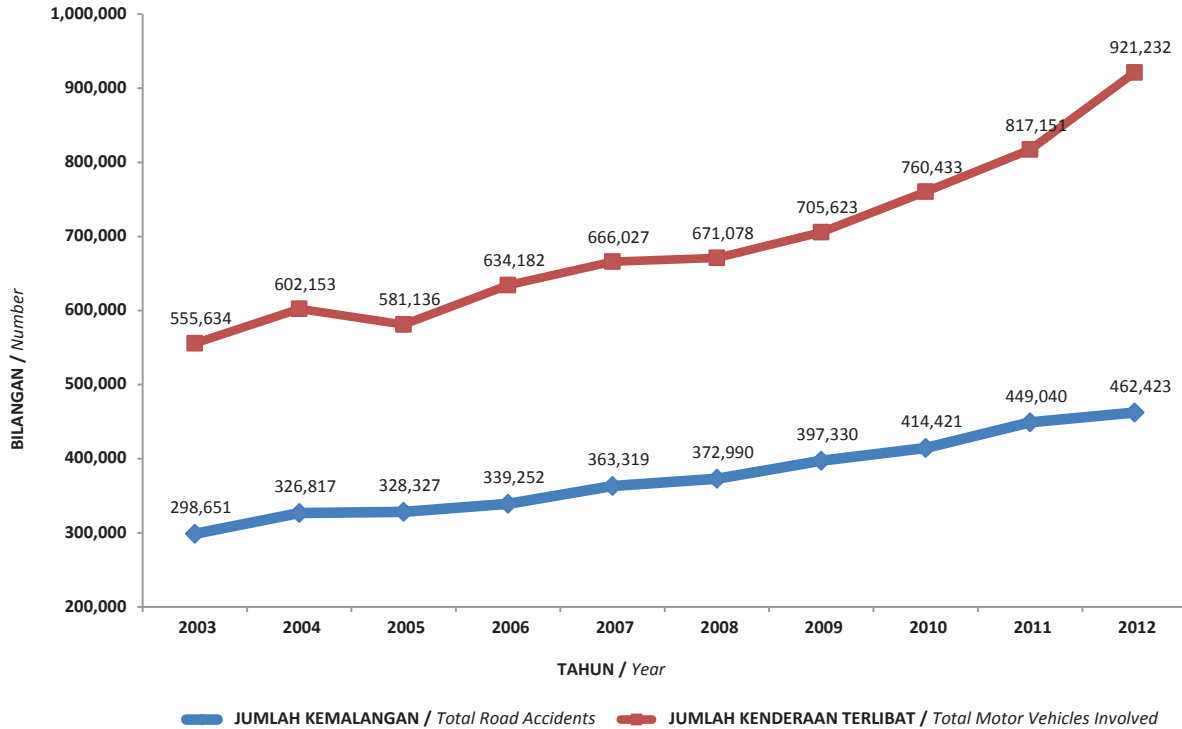
CARTA 1.5 : JUMLAH KEMALANGAN JALAN RAYA MENGIKUT NEGERI, MALAYSIA, 2012

Chart 1.5 : Total Road Accidents by States, Malaysia, 2012



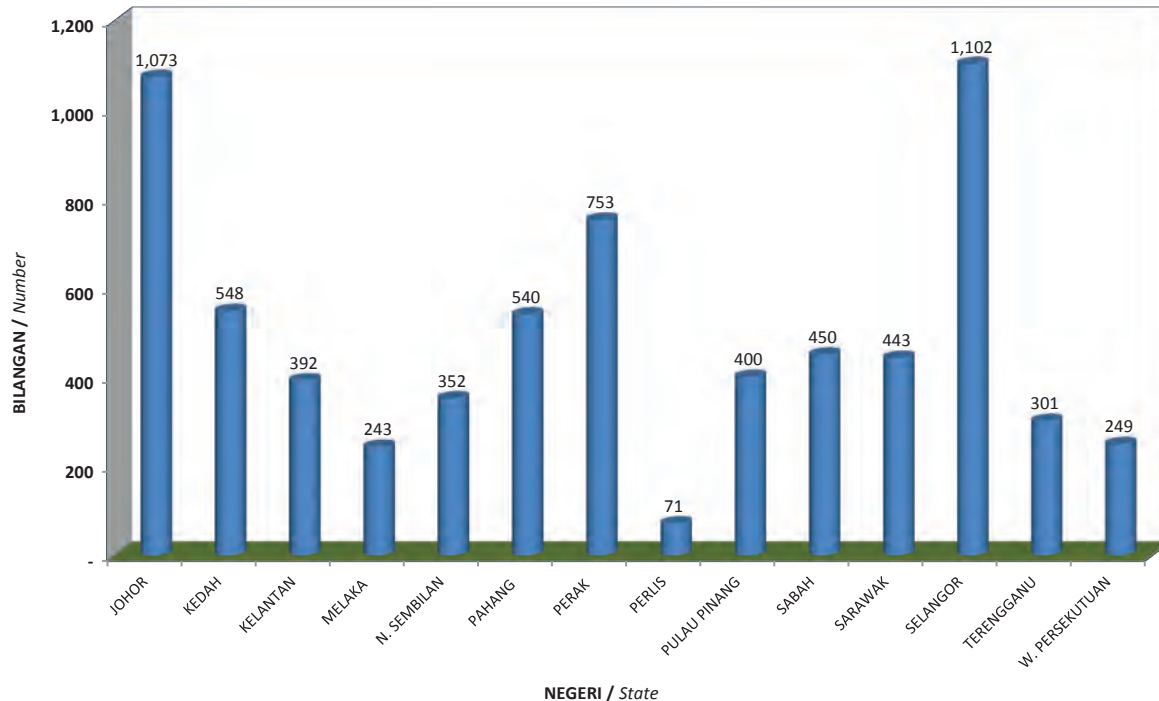


CARTA 1.6 : JUMLAH KEMALANGAN JALAN RAYA DAN KENDERAAN TERLIBAT, MALAYSIA, 2003-2012
Chart 1.6 : Total Road Accidents and Motor Vehicles Involved, Malaysia, 2003-2012



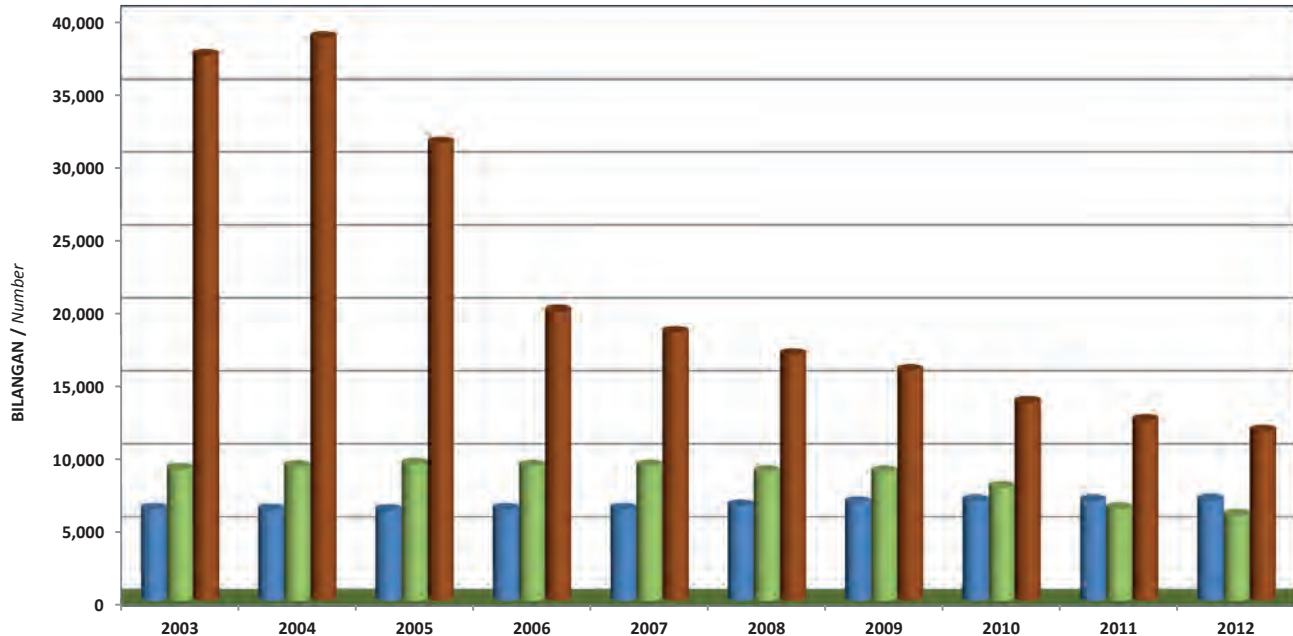


CARTA 1.7 : KEMATIAN DISEBABKAN KEMALANGAN JALAN RAYA MENGIKUT NEGERI, MALAYSIA, 2012
Chart 1.7 : Deaths Caused by Road Accidents by States, Malaysia, 2012





CARTA 1.8 : KECEDERAAN DAN KEMATIAN DISEBABKAN OLEH KEMALANGAN JALAN RAYA, MALAYSIA, 2003-2012
Chart 1.8 : Casualties and Deaths Caused by Road Accidents, Malaysia, 2003-2012

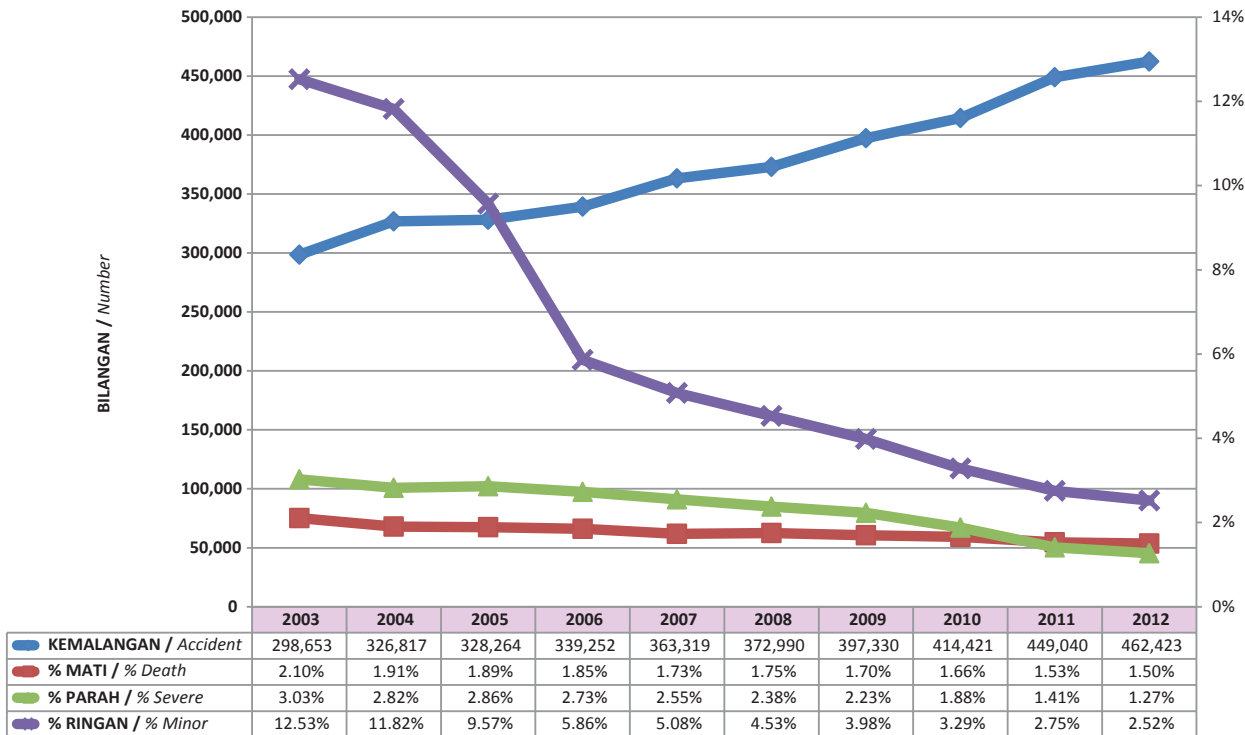


	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
MATI / Death	6,286	6,228	6,200	6,287	6,282	6,527	6,745	6,872	6,877	6,917
CEDERA PARAH / Severe Injuries	9,040	9,229	9,397	9,254	9,273	8,866	8,849	7,781	6,328	5,868
CEDERA RINGAN / Minor Injuries	37,415	38,631	31,429	19,884	18,444	16,901	15,823	13,616	12,365	11,654



CARTA 1.9 : KEMALANGAN, PERATUS KECEDEeraan DAN KEMATIAN DISEBABKAN KEMALANGAN JALAN RAYA, MALAYSIA, 2003-2012

Chart 1.9 : Total Accidents, Percentage of Casualties and Deaths Caused by Road Accidents, Malaysia, 2003-2012





REL Rail

Pengangkutan Darat
Land Transport

Kementerian Pengangkutan Malaysia
Ministry of Transport Malaysia



JADUAL 2.1 : STATISTIK TRAFIK KERETAPI TANAH MELAYU BERHAD (KTMB), 2003–2012
Table 2.1 : Keretapi Tanah Melayu Berhad (KTMB) Traffic Statistics, 2003-2012

TAHUN Year	PERKHIDMATAN KERETAPI <i>Rail Services</i>					KTM 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	KM PENUMPANG <i>Passenger Km</i>	TONNE <i>Tonnes</i>	TONNE KM <i>Tonnes Km</i>	TEU <i>Teus</i>	BIL No	RINGGIT MALAYSIA <i>Malaysia Ringgit</i> (RM)	BIL No	KM PENUMPANG <i>Passenger Km</i>	RINGGIT MALAYSIA <i>Malaysia Ringgit</i> (RM)
('000)	('000,000)	('000)	('000,000)		('000)		('000)	('000,000)		
2003	3,362	1,018	4,608	886	272,864	24,645	59,069,351	*	*	*
2004	3,628	1,139	4,962	1,032	302,736	27,380	66,131,060	*	*	*
2005	3,675	1,181	4,031	1,178	310,011	30,935	73,804,146	*	*	*
2006	3,794	1,237	4,440	1,402	339,037	34,975	84,656,211	*	*	*
2007	3,714	1,309	4,670	1,355	333,688	36,959	89,199,445	*	*	*
2008	3,971	1,468	4,824	1,350	203,939	36,557	88,621,721	*	*	*
2009	4,267	1,522	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	1,565	331,870	34,847	79,268,057	1,179	276	31,885,950

SUMBER : KERETAPI TANAH MELAYU BERHAD (KTMB)

Source : Keretapi Tanah Melayu Berhad (KTMB)

JADUAL 2.2 : BILANGAN PENUMPANG DAN KILOMETER PENUMPANG MENGIKUT KELAS, 2003-2012*Table 2.2 : Number of Passengers and Passenger Kilometres by Classes, 2003-2012*

TAHUN <i>Year</i>	BILANGAN PENUMPANG <i>Number of Passengers ('000)</i>				KILOMETER PENUMPANG <i>Passenger Kilometres ('000,000)</i>			
	KELAS SATU <i>First Class</i>	KELAS DUA <i>Second Class</i>	KELAS TIGA <i>Third Class</i>	JUMLAH <i>Total</i>	KELAS SATU <i>First Class</i>	KELAS DUA <i>Second Class</i>	KELAS TIGA <i>Third Class</i>	JUMLAH <i>Total</i>
2003	65.0	1,332.0	1,966.0	3,363.0	29.1	530.0	459.3	1,018.4
2004	88.0	1,535.0	2,005.0	3,628.0	40.8	610.7	487.5	1,139.0
2005	92.7	1,482.0	2,101.0	3,675.7	44.2	616.1	521.1	1,181.4
2006	88.0	1,420.0	2,286.0	3,794.0	41.6	616.5	579.0	1,237.1
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	134.7	1,943.6	977.8	3,056.1	59.0	911.7	245.2	1,215.9

SUMBER : KERETAPI TANAH MELAYU BERHAD (KTMB)

Source : Keretapi Tanah Melayu Berhad (KTMB)



JADUAL 2.3 : BILANGAN PENUMPANG DAN KILOMETER PENUMPANG BAGI PERKHIDMATAN KERETAPI EKSPRES, 2003-2012

Table 2.3 : Number of Passengers and Passenger Kilometres for Express Services, 2003-2012

TAHUN Year	EKSPRES / Express RAKYAT								EKSPRES / Express SINARAN							
	BILANGAN PENUMPANG Number of Passengers ('000)				KILOMETER PENUMPANG Passenger Km ('000,000)				BILANGAN PENUMPANG Number of Passengers ('000)				KILOMETER PENUMPANG Passenger Km ('000,000)			
	KELAS SATU First Class	KELAS DUA Second Class	KELAS TIGA Third Class	JUMLAH Total	KELAS SATU First Class	KELAS DUA Second Class	KELAS TIGA Third Class	JUMLAH Total	KELAS SATU First Class	KELAS DUA Second Class	KELAS TIGA Third Class	JUMLAH Total	KELAS SATU First Class	KELAS DUA Second Class	KELAS TIGA Third Class	JUMLAH Total
2003	24.0	208.0	-	232.0	10.3	84.6	-	94.9	5.0	45.0	-	50.0	2.0	18.1	-	20.1
2004	29.0	241.0	-	270.0	13.5	99.7	-	113.2	20.0	141.0	-	161.0	8.1	57.9	-	66.0
2005	27.0	233.0	-	260.0	12.5	95.6	-	108.1	27.0	172.0	7.0	206.0	10.4	67.8	3.6	81.8
2006	27.5	230.5	-	258.0	12.1	92.4	-	104.5	26.1	180.3	3.4	209.8	9.9	69.0	1.7	80.6
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

TAHUN Year	EKSPRES / Express LANGKAWI								EKSPRES / Express WAU							
	BILANGAN PENUMPANG Number of Passengers ('000)				KILOMETER PENUMPANG Passenger Km ('000,000)				BILANGAN PENUMPANG Number of Passengers ('000)				KILOMETER PENUMPANG Passenger Km ('000,000)			
	KELAS SATU First Class	KELAS DUA Second Class	KELAS TIGA Third Class	JUMLAH Total	KELAS SATU First Class	KELAS DUA Second Class	KELAS TIGA Third Class	JUMLAH Total	KELAS SATU First Class	KELAS DUA Second Class	KELAS TIGA Third Class	JUMLAH Total	KELAS SATU First Class	KELAS DUA Second Class	KELAS TIGA Third Class	JUMLAH Total
2003	10.0	232.0	232.0	474.0	3.4	74.5	62.9	140.8	6.0	108.0	297.0	411.0	2.3	61.5	153.9	217.7
2004	12.0	237.0	269.0	518.0	4.1	77.4	75.4	156.9	8.0	129.0	301.0	438.0	3.3	69.2	159.7	232.2
2005	13.0	182.0	312.0	507.0	6.0	78.0	96.2	180.2	9.0	138.0	301.0	448.0	4.1	74.6	157.7	236.4
2006	10.8	178.4	378.6	567.8	5.0	81.2	123.0	209.2	7.6	140.3	313.9	461.8	3.6	74.2	164.8	242.6
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	48.0	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

SUMBER : KERETAPI TANAH MELAYU BERHAD (KTMB)

Source : Keretapi Tanah Melayu Berhad (KTMB)

JADUAL 2.3 : BILANGAN PENUMPANG DAN KILOMETER PENUMPANG BAGI PERKHIDMATAN KERETAPI EKSPRES, 2003-2012 (Samb)

Table 2.3 : Number of Passengers and Passenger Kilometres for Express Services, 2003-2012 (Cont'd)

TAHUN Year	EKSPRES / Express SENANDUNG MALAM								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)			
	KELAS SATU First Class	KELAS DUA Second Class	KELAS TIGA Third Class	JUMLAH Total	KELAS SATU First Class	KELAS DUA Second Class	KELAS TIGA Third Class	JUMLAH Total	KELAS SATU First Class	KELAS DUA Second Class	KELAS TIGA Third Class	JUMLAH Total	KELAS SATU First Class	KELAS DUA Second Class	KELAS TIGA Third Class	JUMLAH Total
2003	10.0	232.0	232.0	474.0	3.4	74.5	62.9	140.8	6.0	108.0	297.0	411.0	2.3	61.5	153.9	217.7
2004	12.0	237.0	269.0	518.0	4.1	77.4	75.4	156.9	8.0	129.0	301.0	438.0	3.3	69.2	159.7	232.2
2005	13.0	182.0	312.0	507.0	6.0	78.0	96.2	180.2	9.0	138.0	301.0	448.0	4.1	74.6	157.7	236.4
2006	10.8	178.4	378.6	567.8	5.0	81.2	123.0	209.2	7.6	140.3	313.9	461.8	3.6	74.2	164.8	242.6
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

SUMBER : KERETAPI TANAH MELAYU BERHAD (KTMB)

Source : Keretapi Tanah Melayu Berhad (KTMB)



JADUAL 2.4 : TRAFIK BARANGAN MENGIKUT JENIS KARGO, 2003–2012
Table 2.4 : Freight Traffic by Type of Cargo, 2003-2012

JENIS KARGO Type of Cargo	('000)	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
SIMEN & KLINKER	Tonne	856	942	1,026	1,220	1,355	4,654	1,704	1,814	2,224	2,353
<i>Cement & Clinker</i>	t km	238,840	227,924	293,139	308,121	356,299	390,869	531,335	605,926	732,170	800,581
KONTENA PERKAPALAN	Tonne	2,749	2,887	1,876	2,074	2,222	2,272	2,603	2,588	2,702	2,691
<i>Maritime Container</i>	t km	284,612	343,462	394,193	597,355	507,900	490,127	455,843	408,893	383,866	390,237
LANDBRIDGE	Tonne	-	216	184	164	122	105	55	39	26	19
<i>Landbridge</i>	t km	-	54,689	114,199	22,516	56,701	72,286	15,710	17,189	22,954	25,724
PETROL & MINYAK GALIAN	Tonne	127	72	57	62	75	45	-	-	-	-
<i>Petrol & Mineral Oil</i>	t km	41,198	22,894	17,763	19,714	23,964	13,935	-	-	-	-
MAKANAN & MINUMAN	Tonne	242	288	358	363	421	433	476	487	459	417
<i>Processed Food & Drink</i>	t km	206,111	214,539	267,898	278,419	323,857	315,429	319,811	308,923	221,428	168,725
BERAS, PADI & BRAN	Tonne	-	-	-	-	-	-	-	-	-	-
<i>Rice, Paddy & Bran</i>	t km	-	-	-	-	-	-	-	-	-	-
GETAH	Tonne	1	-	-	-	-	-	-	-	-	-
<i>Rubber</i>	t km	17	22	-	-	-	-	-	-	-	-
GETAH CECAIR	Tonne	-	-	-	-	-	-	-	-	-	-
<i>Latex</i>	t km	28	12	1	1	-	-	-	-	-	-
KAYU BALAK	Tonne	-	-	-	-	-	-	-	-	-	-
<i>Logs</i>	t km	-	-	-	-	-	-	-	-	-	-
KAYU GERGAJI	Tonne	-	-	-	-	-	-	-	-	-	-
<i>Swan Timber</i>	t km	-	-	-	-	-	-	-	-	-	-
BIJIH & LAIN-LAIN GALIAN	Tonne	80	90	58	21	10	11	6	2	0	-
<i>Ore & Other Minerals</i>	t km	22,961	21,929	12,654	1,133	182	1,573	102	38	2	-
KIMIA	Tonne	375	346	309	370	386	347	259	298	287	337
<i>Chemicals</i>	t km	23,433	20,986	20,682	22,602	23,611	21,935	18,390	22,422	19,770	19,774
MINYAK MAKAN	Tonne	-	-	-	-	-	-	-	-	-	-
<i>Edible Oil</i>	t km	-	-	-	-	-	-	-	-	-	-
LAIN-LAIN	Tonne	178	121	204	174	166	138	130	204	216	279
<i>Others</i>	t km	69,152	60,618	57,082	68,107	62,723	44,244	42,916	119,294	155,284	159,253
JUMLAH	Tonne	4,608	4,962	4,072	4,448	4,757	8,005	5,233	5,432	5,915	6,096
Total	t km	886,352	967,075	1,177,611	1,317,968	1,355,237	1,350,398	1,384,107	1,482,685	1,535,474	1,564,294

SUMBER : KERETAPI TANAH MELAYU BERHAD (KTMB)

Source : Keretapi Tanah Melayu Berhad (KTMB)

JADUAL 2.5 : JUMLAH HASIL BARANGAN MENGIKUT JENIS KARGO, 2003–2012*Table 2.5 : Goods Revenue by Type of Cargo, 2003-2012*

RM ' 000										
JENIS KARGO <i>Type of Cargo</i>	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
SIMEN & KLINKER <i>Cement & Clinker</i>	15,475	17,350	19,345	20,857	24,345	26,200	29,350	32,421	41,627	45,036
KONTENA PERKAPALAN <i>Maritime Container</i>	60,548	32,979	35,526	40,216	46,520	43,871	47,583	47,217	48,132	48,324
LANDBRIDGE <i>Landbridge</i>	-	33,773	30,022	29,846	25,846	20,500	13,644	8,054	5,610	5,367
PETROL & MINYAK GALIAN <i>Petrol & Mineral Oil</i>	3,258	1,738	1,992	2,253	2,866	1,710	-	-	-	-
MAKANAN & MINUMAN PROSES <i>Processed Food & Drink</i>	7,085	7,787	9,196	9,583	11,770	11,706	12,047	12,436	12,232	10,743
BERAS, PADI & BRAN <i>Rice, Paddy & Bran</i>	-	-	-	-	-	-	-	-	-	-
GETAH <i>Rubber</i>	204	1	-	-	-	-	-	-	-	-
GETAH CECAIR <i>Latex</i>	16	4	-	-	-	-	-	-	-	-
KAYU BALAK <i>Logs</i>	-	-	-	27	-	-	-	-	-	-
KAYU GERGAJI <i>Swan Timber</i>	-	-	-	41	-	-	-	-	-	-
BIJIH & LAIN-LAIN GALIAN <i>Ore & Other Minerals</i>	1,736	2,377	905	211	98	99	72	23	1	-
KIMIA <i>Chemicals</i>	3,640	3,587	3,431	3,804	5,139	4,592	3,064	3,653	3,460	3,959
MINYAK MAKAN <i>Edible Oil</i>	-	-	-	-	-	-	-	-	-	-
LAIN-LAIN <i>Others</i>	8,413	8,294	7,199	6,579	5,188	6,418	9,763	12,291	13,625	13,555
JUMLAH <i>Total</i>	100,375	107,890	107,616	113,417	121,772	115,096	115,523	116,095	124,687	126,984

SUMBER : KERETAPI TANAH MELAYU BERHAD (KTMB)

Source : Keretapi Tanah Melayu Berhad (KTMB)


JADUAL 2.6 : DAFTAR LOKOMOTIF, 2003–2012
Table 2.6 : Locomotive Inventory, 2003-2012

TAHUN <i>Year</i>	LALUAN UTAMA <i>Mainline</i>							TREN SET ELEKTRIK <i>Electric Train Set</i>				ENJIN LANGSIR <i>Shunting</i>					
	HIDRAULIK KELAS 21 <i>Class 21 Hydraulic</i>	KELAS <i>Class</i>	KELAS <i>Clas</i>	KELAS <i>Clas</i>	KELAS <i>Clas</i>	KELAS <i>Clas</i>	KELAS <i>Clas</i>	JUMLAH <i>Total</i>	RELKAR (RELBAS) <i>Rail-Car (Rail-Bus)</i>	SET EMU <i>SETS</i>	SET ETS <i>SETS</i>	JUMLAH <i>Total</i>	LETRIK KELAS 15 <i>Class 15 Electric</i>	HIDRAULIK KELAS 16/17 <i>Class 16/17 Hydraulic</i>	LETRIK KELAS 18 <i>Class 18 Electric</i>	LETRIK KELAS 19 <i>Class 19 Electric</i>	JUMLAH <i>Total</i>
2003	-	10.0	15.0	26.0	17.0	12.0	-		-	60.0	-	60	-	-	8.0	10.0	18
2004	-	10.0	15.0	26.0	17.0	20.0	-	88	-	58.0	-	58	-	-	8.0	10.0	18
2005	-	10.0	15.0	26.0	17.0	20.0	-	88	-	58.0	-	58	-	-	-	10.0	10
2006	-	5.0	11.0	20.0	17.0	20.0	-	73	-	53.0	-	53	-	-	-	10.0	10
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	-	-	-	10.0	10

SUMBER : KERETAPI TANAH MELAYU BERHAD (KTMB)

Source : Keretapi Tanah Melayu Berhad (KTMB)

JADUAL 2.7 : DAFTAR KOC PENUMPANG, 2003–2012*Table 2.7 : Passenger Coaches Inventory, 2003-2012*

TAHUN Year	PERJALANAN SIANG Day Travel				PERJALANAN MALAM/SIANG Night/Day Travel				LAIN-LAIN Others				JUMLAH Total			
	BILANGAN KOC Number of Coaches	JUMLAH TEMPAT DUDUK Number of Seats			BILANGAN KOC Number of Coaches	JUMLAH TEMPAT DUDUK Number of Seats			BILANGAN KOC Number of Coaches	JUMLAH TEMPAT DUDUK Number of Seats			BILANGAN KOC Number of Coaches	JUMLAH TEMPAT DUDUK Number of Seats		
		KELAS Class I	KELAS Class II	KELAS Class III		KELAS Class I	KELAS Class II	KELAS Class III		KELAS Class I	KELAS Class II	KELAS Class III		KELAS Class I	KELAS Class II	KELAS Class III
2003	73	324	2,184	1,460	117	200	2,848	2,886	-	-	-	-	190	524	5,032	4,346
2004	70	324	1,664	1,400	120	188	3,056	2,886	-	-	-	-	190	512	4,720	4,286
2005	70	324	2,288	1,258	124	200	2,640	3,700	-	-	-	-	194	524	4,928	4,958
2006	70	324	2,288	1,258	124	200	2,640	3,700	-	-	-	-	194	524	4,928	4,958
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	1,612	8,184	70,680	-	2,914	8,804	105,400	25,234	-	-	-	-	4,526	16,988	176,080	25,234

SUMBER : KERETAPI TANAH MELAYU BERHAD (KTMB)

Source : Keretapi Tanah Melayu Berhad (KTMB)


JADUAL 2.8 : DAFTAR GERABAK BARANG, 2003–2012
Table 2.8 : Freight Wagon Inventory, 2003-2012

TAHUN Year	GERABAK TERTUTUP Covered Wagons	GERABAK TEBING TINGGI High Side Wagons	GERABAK TEBING RENDAH Low Side Wagons	GERABAK TANGKI Tank Wagons				GERABAK BOLSTER Bolster Wagons	GERABAK TERNAKAN Livestock Wagons	LAIN-LAIN GERABAK Other Wagons	JUMLAH Total
				PETROLEUM Petroleum	MINYAK SAWIT Palm Oil	GETAH CECAIR Latex	AMMONIA Ammonia				
2003	299	2	254	298	-	14	12	1,800	4	863	3,546
2004	316	32	209	251	-	5	12	1,892	4	788	3,509
2005	263	2	242	245	-	3	12	1,937	4	999	3,707
2006	263	2	242	150	-	3	12	1,691	4	1,340	3,707
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

SUMBER : KERETAPI TANAH MELAYU BERHAD (KTMB)

Source : Keretapi Tanah Melayu Berhad (KTMB)

JADUAL 2.9 : BILANGAN PENUMPANG BAGI PERKHIDMATAN SISTEM ALIRAN RINGAN, 2003–2012*Table 2.9 : Number of Passengers for Light Rail Transit (LRT) Services, 2003-2012*

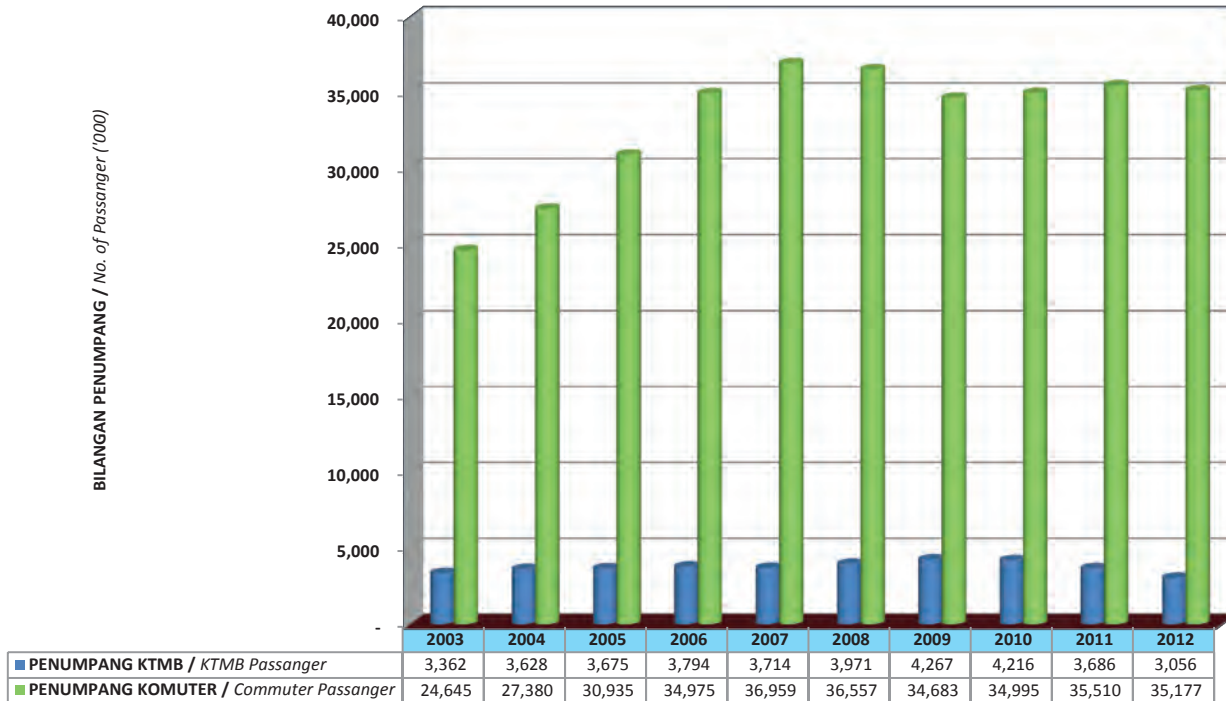
JENIS PERKHIDMATAN <i>Type of Services</i>	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
LALUAN KELANA JAYA	50,254,365	57,729,971	60,290,467	56,747,136	56,965,258	58,168,337	55,580,190	58,037,633	68,398,561	71,574,675
LALUAN AMPANG	41,159,817	43,535,471	45,636,997	49,727,909	52,434,883	51,009,480	49,375,077	51,572,177	53,568,672	56,809,978
KL MONORAIL	3,220,297	12,201,518	16,206,441	19,322,170	22,197,169	21,765,233	21,021,390	22,108,308	24,200,299	24,113,242
KLIA EKSPRES	1,700,757	1,911,091	2,075,105	1,839,226	1,780,384	1,578,706	1,419,827	1,508,734	1,581,476	1,649,410
KLIA TRANSIT	972,607	1,742,469	2,331,741	2,369,864	2,449,842	2,508,884	2,441,736	2,626,119	3,238,389	3,713,536

SUMBER / Source : RAPID KL SDN.BHD, KL STARRAIL SDN.BHD, EXPRESS RAIL LINK SDN.BHD



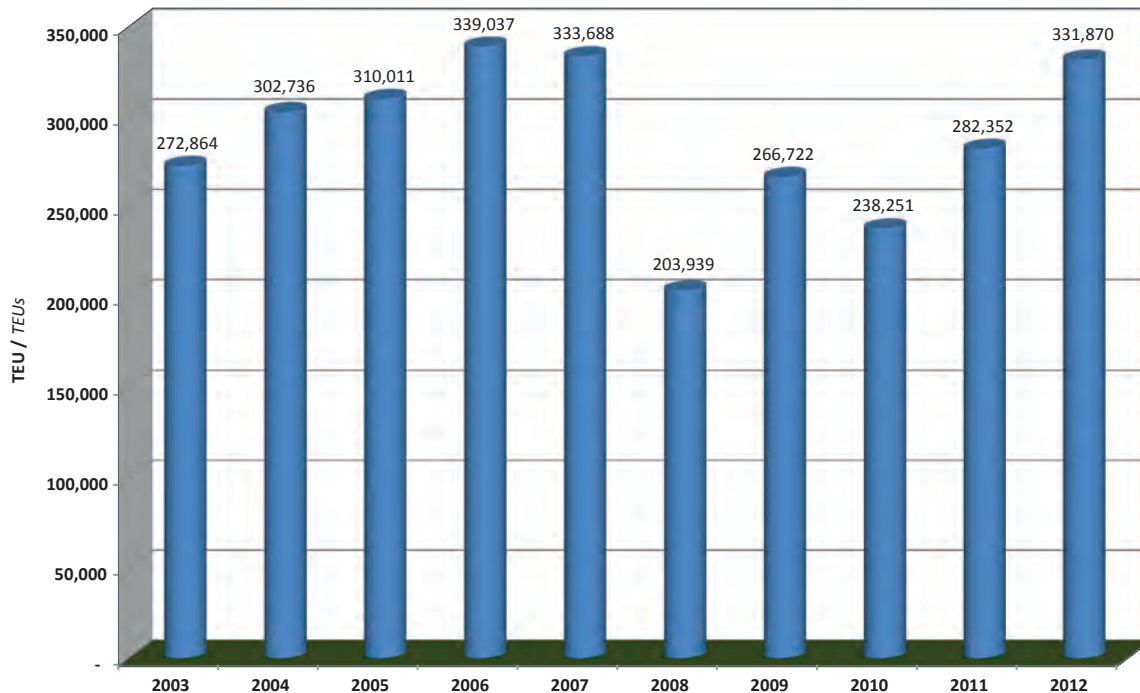
Carta 2.1 : BILANGAN PENUMPANG KTMB DAN KTM KOMUTER BAGI PERKHIDMATAN KERETAPI TANAH MELAYU BERHAD, 2003-2012

Chart 2.1 : Number of KTMB and Commuter Passengers for Keretapi Tanah Melayu Berhad, 2003-2012



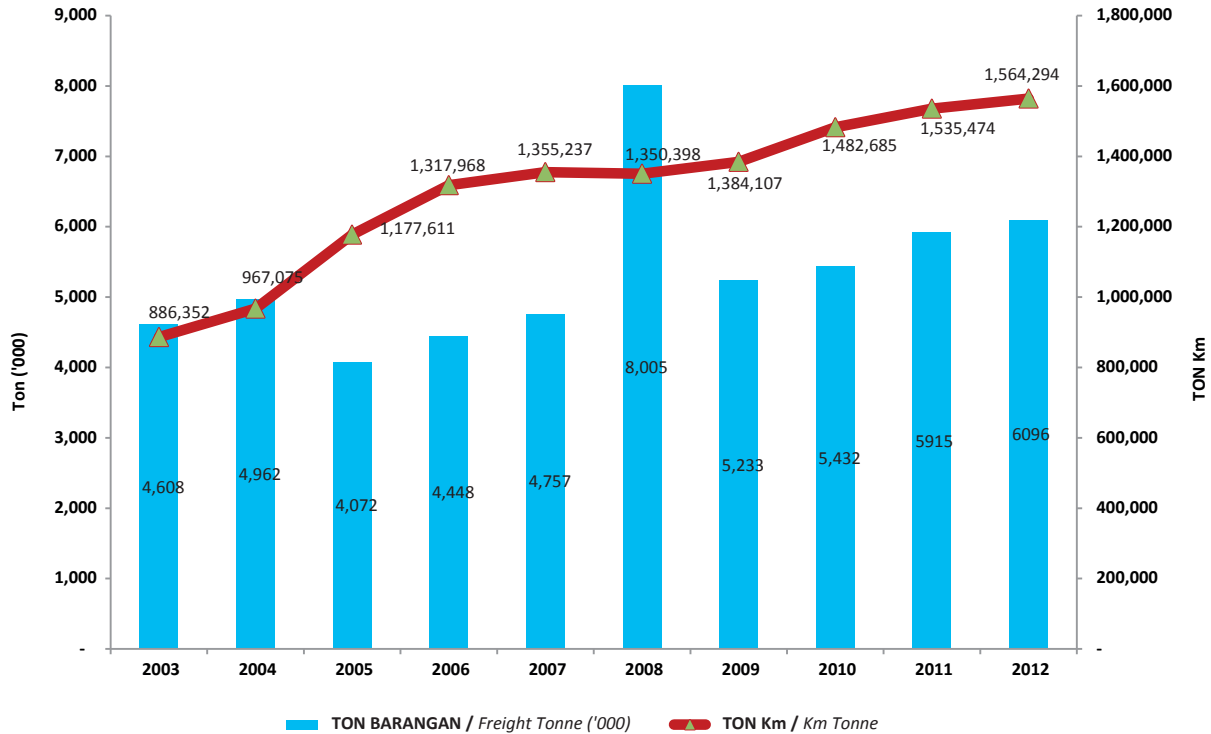


CARTA 2.2 : JUMLAH KONTENA YANG DIKENDALIKAN KERETAPI TANAH MELAYU BERHAD, 2003-2012
Chart 2.2 : Total Container Handled by Keretapi Tanah Melayu Berhad, 2003-2012



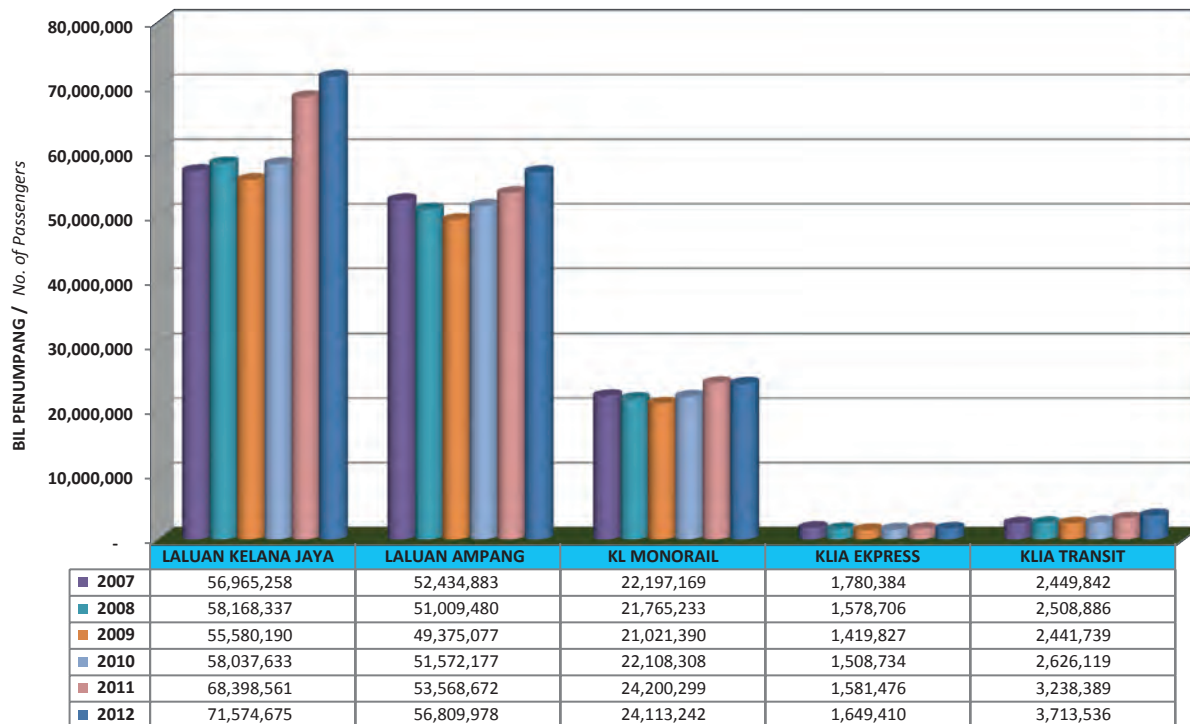


CARTA 2.3 : TRAFIK BARANGAN BAGI PERKHIDMATAN KERETAPI TANAH MELAYU BERHAD (KTMB), 2003-2012
Chart 2.3 : Freight Traffic for Keretapi Tanah Melayu Berhad, 2003-2012



CARTA 2.4 : BILANGAN PENUMPANG BAGI PERKHIDMATAN SISTEM ALIRAN RINGAN, 2007-2012

Chart 2.4 : Number of Passengers for Light Rail Transit (LRT) Services, 2007-2012





PENGANGKUTAN MARITIM Maritime Transport

Kementerian Pengangkutan Malaysia
Ministry of Transport Malaysia



JADUAL 3.1 : JUMLAH KARGO YANG DIKENDALIKAN MENGIKUT PELABUHAN, MALAYSIA, 2003-2012

Table 3.1 : Total Cargo Throughput by Ports, Malaysia, 2003-2012

('000) FREIGHTWEIGHT TONNES

BIL No	PELABUHAN Ports		2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	
1	KELANG	EKSPORT Export	36,305	41,068	46,624	56,330	62,730	70,343	65,262	78,983	89,517	90,114	
		IMPORT Import	52,583	58,843	63,035	65,674	72,784	82,005	72,353	91,773	104,651	105,942	
		PINDAH KAPAL Trans-shipment	-	-	-	-	-	-	-	-	73	-	-
		JUMLAH Total	88,888	99,911	109,659	122,004	135,514	152,348	137,615	170,756	194,168	196,056	
2	PULAU PINANG	EKSPORT Export	9,908	10,510	10,664	9,526	12,524	10,707	10,531	12,434	12,870	12,894	
		IMPORT Import	12,482	12,905	12,899	13,371	14,698	14,967	13,251	15,861	15,899	15,918	
		PINDAH KAPAL Trans-shipment	5	5	3	-	269	325	496	551	620	515	
		JUMLAH Total	22,395	23,420	23,566	22,897	27,491	25,999	24,278	28,846	29,390	29,328	
3	JOHOR	EKSPORT Export	13,508	15,557	13,779	13,305	11,289	14,211	11,601	11,585	11,774	10,494	
		IMPORT Import	14,270	15,647	14,789	14,162	17,553	15,561	13,633	16,544	20,900	15,415	
		PINDAH KAPAL Trans-shipment	-	-	-	-	-	-	-	-	-	-	-
		JUMLAH Total	27,778	31,204	28,568	27,467	28,842	29,772	25,234	28,129	32,674	25,909	
4	KUANTAN	EKSPORT Export	4,899	5,029	5,061	6,555	6,188	5,574	6,835	8,050	11,073	12,021	
		IMPORT Import	4,905	4,670	4,350	4,118	3,877	3,831	3,438	4,030	4,133	4,043	
		PINDAH KAPAL Trans-shipment	-	-	-	-	-	-	-	-	-	-	-
		JUMLAH Total	9,804	9,699	9,411	10,673	10,065	9,405	10,273	12,079	15,207	16,064	

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

JADUAL 3.1 : JUMLAH KARGO YANG DIKENDALIKAN MENGIKUT PELABUHAN, MALAYSIA, 2003-2012 (SAMB.)
Table 3.1 : Total Cargo Throughput by Ports, Malaysia, 2003-2012 (Cont'd)

('000) FREIGHTWEIGHT TONNES

BIL No	PELABUHAN Ports	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
5	BINTULU										
	EKSPORT <i>Export</i>	26,110	30,402	32,580	31,731	31,255	34,724	33,302	34,777	36,138	35,122
	IMPORT <i>Import</i>	2,867	3,221	2,516	2,755	2,833	3,446	3,128	3,854	4,252	4,883
	PINDAH KAPAL <i>Trans-shipment</i>	-	-	1,345	2,020	4,497	2,301	2,014	1,995	1,313	1,136
	JUMLAH Total	28,977	33,623	36,441	36,506	38,585	40,471	38,444	40,625	41,703	41,141
6	TANJUNG BRUAS										
	EKSPORT <i>Export</i>	90	21	8	7	-	14	25	37	82	115
	IMPORT <i>Import</i>	618	723	442	399	606	543	437	414	361	304
	PINDAH KAPAL <i>Trans-shipment</i>	-	-	-	-	-	-	-	-	-	-
	JUMLAH Total	708	744	450	406	606	557	463	451	443	420
7	KUCHING										
	EKSPORT <i>Export</i>	1,659	1,984	1,979	1,977	2,343	2,136	1,815	2,144	2,148	1,875
	IMPORT <i>Import</i>	5,151	5,107	5,488	5,204	5,272	5,347	5,077	6,069	6,532	7,314
	PINDAH KAPAL <i>Trans-shipment</i>	-	36	22	22	32	68	-	-	-	-
	JUMLAH Total	6,810	7,127	7,489	7,203	7,647	7,551	6,892	8,213	8,679	9,189
8	MIRI										
	EKSPORT <i>Export</i>	5,643	4,868	4,589	5,246	6,318	6,155	5,028	5,410	4,908	4,823
	IMPORT <i>Import</i>	524	460	457	369	521	684	605	746	865	842
	PINDAH KAPAL <i>Trans-shipment</i>	-	-	-	-	-	-	-	-	-	-
	JUMLAH Total	6,167	5,328	5,046	5,615	6,839	6,839	5,633	6,156	5,773	5,665

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


JADUAL 3.1 : JUMLAH KARGO YANG DIKENDALIKAN MENGIKUT PELABUHAN, MALAYSIA, 2003-2012 (SAMB.)
Table 3.1 : Total Cargo Throughput by Ports, Malaysia, 2003-2012 (Cont'd)

('000) FREIGHTWEIGHT TONNES

BIL No	PELABUHAN Ports		2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	
9	RAJANG	EKSPORT Export	3,410	3,372	3,376	3,476	3,433	3,404	3,191	3,506	3,225	1,649	
		IMPORT Import	1,249	1,289	1,347	1,357	1,540	1,604	1,546	1,680	1,825	1,614	
		PINDAH KAPAL Trans-shipment	-	-	-	-	-	-	-	-	-	-	-
		JUMLAH Total	4,659	4,661	4,723	4,833	4,973	5,008	4,737	5,186	5,050	3,263	
10	SABAH	EKSPORT Export	12,673	14,147	15,857	16,902	16,493	16,493	14,095	14,963	14,595	13,852	
		IMPORT Import	9,388	10,499	10,317	11,238	12,660	12,660	10,675	13,426	13,340	13,851	
		PINDAH KAPAL Trans-shipment	-	-	-	-	-	-	-	-	-	-	-
		JUMLAH Total	22,061	24,646	26,174	28,140	29,153	29,153	24,770	28,389	27,936	27,703	
11	PORT DICKSON	EKSPORT Export	4,548	3,611	3,293	6,797	4,302	3,047	3,072	2,372	2,114	2,613	
		IMPORT Import	8,574	11,031	8,808	5,250	8,493	8,810	10,976	10,285	11,256	11,755	
		PINDAH KAPAL Trans-shipment	-	-	-	-	-	-	-	-	-	-	-
		JUMLAH Total	13,122	14,642	12,101	12,047	12,795	11,857	14,048	12,657	13,370	14,368	
12	KEMAMAN	EKSPORT Export	1,272	1,502	1,421	1,141	1,806	1,713	1,834	1,944	2,062	3,432	
		IMPORT Import	1,716	1,856	1,599	2,147	1,992	2,200	1,889	2,364	1,936	3,249	
		PINDAH KAPAL Trans-shipment	-	-	-	-	-	-	-	-	-	-	-
		JUMLAH Total	2,988	3,358	3,020	3,288	3,798	3,913	3,723	4,308	3,998	6,681	

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

JADUAL 3.1 : JUMLAH KARGO YANG DIKENDALIKAN MENGIKUT PELABUHAN, MALAYSIA, 2003-2012 (SAMB.)
Table 3.1 : Total Cargo Throughput by Ports, Malaysia, 2003-2012 (Cont'd)

('000) FREIGHTWEIGHT TONNES

BIL No	PELABUHAN Ports		2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	
13	TELUK EWA	EKSPORT <i>Export</i>	3,091	2,986	3,046	3,185	3,208	3,379	3,381	3,223	3,057	3,237	
		IMPORT <i>Import</i>	535	610	537	573	555	744	637	729	788	696	
		PINDAH KAPAL <i>Trans-shipment</i>	-	-	-	-	-	-	-	-	-	-	-
		JUMLAH Total	3,626	3,596	3,583	3,758	3,763	4,123	4,019	3,952	3,845	3,933	
14	TANJUNG PELEPAS	EKSPORT <i>Export</i>	1,879	2,252	2,537	2,854	2,926	3,349	3,322	3,587	4,727	5,187	
		IMPORT <i>Import</i>	542	638	627	728	754	1,378	1,312	1,224	1,259	1,412	
		PINDAH KAPAL <i>Trans-shipment</i>	47,413	54,188	56,357	65,194	80,009	83,212	85,813	92,845	106,803	109,658	
		JUMLAH Total	49,834	57,078	59,521	68,776	83,689	87,939	90,447	97,656	112,788	116,256	
Jumlah Besar Grand Total		EKSPORT <i>Export</i>	124,995	137,309	144,814	159,032	164,815	175,249	163,295	183,014	198,290	197,429	
		IMPORT <i>Import</i>	115,404	127,499	127,211	127,345	144,138	153,780	138,957	168,999	187,997	187,237	
		PINDAH KAPAL <i>Trans-shipment</i>	47,418	54,229	57,727	67,236	84,807	85,906	88,323	95,465	108,736	111,309	
		JUMLAH Total	287,817	319,037	329,752	353,613	393,760	414,935	390,576	447,477	495,024	495,976	

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


JADUAL 3.2 : JUMLAH KARGO YANG DIKENDALIKAN MENGIKUT PELABUHAN DAN JENIS, MALAYSIA, 2012
Table 3.2 : Total Cargo Throughput by Ports and Type, Malaysia, 2012

('000) FREIGHTWEIGHT TONNES

PELABUHAN <i>Ports</i>	PUKAL KERING <i>Dry Bulk</i>		PUKAL CECAIR <i>Liquid Bulk</i>		CARGO AM <i>General Cargo</i>		JUMLAH <i>Total</i>	KARGO DI DALAM KONTENA <i>Containerised Cargo</i>	JUMLAH BESAR <i>Grand Total</i>
	PERDAGANGAN LUAR NEGERI <i>Foreign Trade</i>	PERDAGANGAN DALAM NEGERI <i>Local Trade</i>	PERDAGANGAN LUAR NEGERI <i>Foreign Trade</i>	PERDAGANGAN DALAM NEGERI <i>Local Trade</i>	PERDAGANGAN LUAR NEGERI <i>Foreign Trade</i>	PERDAGANGAN DALAM NEGERI <i>Local Trade</i>			
KELANG	9,040	858	5,203	1,835	5,393	3,899	26,228	169,828	196,056
PULAU PINANG	854	3,364	691	4,396	746	648	10,699	18,629	29,328
JOHOR	-	-	-	-	-	-	25,089	820	25,909
KUANTAN	7,163	14	3,775	896	2,157	221	14,225	1,839	16,064
BINTULU	2,231	369	27,673	3,753	2,590	675	37,291	3,850	41,141
TANJUNG BRUAS	126	-	3	14	277	-	420	-	420
KUCHING	627	3	474	390	498	971	2,964	6,225	9,189
MIRI	656	-	1,032	2,313	299	577	4,877	788	5,665
RAJANG	1,057	51	-	361	43	76	1,588	1,675	3,263
SABAH	-	-	-	-	-	-	27,703	-	27,703
PORT DICKSON	3,198	279	5,389	5,474	29	-	14,368	-	14,368
KEMAMAN	3,504	16	2,640	109	315	98	6,681	-	6,681
TELOK EWA	3,237	669	-	26	-	-	3,933	-	3,933
TANJUNG PELEPAS	-	-	-	-	-	-	-	116,256	116,256
JUMLAH <i>Total</i>	31,692	5,623	46,880	19,567	12,346	7,166	176,066	319,910	495,976

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

JADUAL 3.3 : BARANGAN YANG DIISI MENGIKUT PELABUHAN DAN JENIS, MALAYSIA, 2012
Table 3.3 : Commodities Loaded by Ports And Types, Malaysia, 2012

('000) FREIGHTWEIGHT TONNES

PELABUHAN <i>Ports</i>	MINYAK KELAPA SAWIT <i>Palm Oil</i>	BUANGAN ISI SAWIT <i>Palm Kernel Waste</i>	PETROLEUM & MIINYAK PEMBAKAR <i>Petroleum & Fuel Oil</i>	GAS ASLI CECAIR <i>Liquefied Natural Gas</i>	GAS PETROLEUM CAIR <i>Liquefied Petroleum Gas</i>	KAYU KAYAN PROSES <i>Processed Timber</i>	KAYU BALAK <i>Logs</i>	BIJIRIN Grains/ <i>Cereals</i>	BESI/BESI WAJA <i>Iron/Steel</i>	BAHAN KIMIA/ BAJA <i>Chemical/ Fertilizer</i>	GETAH & SUSU GETAH <i>Rubber & Latex</i>	SIMEN/ KLINKER <i>Cement/ Clinker</i>	BIJIH & GALIAN <i>Ore & Mineral</i>	LAIN-LAIN <i>Others</i>	JUMLAH <i>Total</i>
KELANG	1,268	657	-	-	11	3	52	26	561	145	-	-	192	87,199	90,114
PULAU PINANG	489	-	-	-	-	691	-	-	576	1,275	2,066	4	-	7,793	12,894
JOHOR	3,351	354	228	-	-	-	-	-	49	459	-	-	-	6,053	10,494
KUANTAN	1,530	159	50	-	-	96	-	-	786	880	-	-	5,458	3,064	12,021
BINTULU	2,907	340	3,800	23,530	153	964	1,127	-	-	-	-	37	-	2,264	35,122
TANJUNG BRUAS	-	-	-	-	-	-	-	-	14	-	-	-	101	-	115
KUCHING	105	-	3	-	-	288	-	2	76	45	85	1	-	1,270	1,875
MIRI	3	-	3,371	-	-	306	712	-	2	1	-	-	-	428	4,823
RAJANG	47	21	1	-	-	1,148	25	-	-	-	5	-	-	402	1,649
SABAH	-	-	-	-	-	-	-	-	-	-	-	-	-	13,852	13,852
PORT DICKSON	-	-	2,532	-	80	-	-	-	-	-	-	-	-	-	2,613
KEMAMAN	-	-	231	-	417	-	-	-	260	-	-	-	1,730	795	3,432
TELOK EWA	-	-	-	-	-	-	-	-	-	-	-	3,237	-	-	3,237
TANJUNG PELEPAS	485	-	-	-	-	-	-	-	82	231	114	-	-	4,275	5,187
JUMLAH Total	10,185	1,531	10,216	23,530	661	3,497	1,916	28	2,405	3,036	2,271	3,279	7,480	127,395	197,429

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


JADUAL 3.4 : BARANGAN YANG DIPUNGGAH MENGIKUT PELABUHAN DAN JENIS, MALAYSIA, 2012

Table 3.4 : Commodities Unloaded by Ports And Types, Malaysia, 2012

PELABUHAN <i>Ports</i>	('000) FREIGHTWEIGHT TONNES												
	MINYAK KELAPA SAWIT <i>Palm Oil</i>	PETROLEUM & MINYAK PEMBAKAR <i>Petroleum & Fuel Oil</i>	BESI/ BESI WAJA <i>Iron/ Steel</i>	BIJIRIN <i>Grains/ Cereals</i>	GULA <i>Sugar</i>	BAHAN KIMIA/ BAJA <i>Chemical/ Fertilizer</i>	MESIN/ PERALATAN CKD <i>Machinery/ Component CKD</i>	KERTAS <i>Paper Reels</i>	KAIN <i>Textiles</i>	SIMEN/ KLINKER <i>Cement/ Clinker</i>	MAKANAN PROSES <i>Processed Foodstuff</i>	LAIN-LAIN <i>Others</i>	JUMLAH <i>Total</i>
KELANG	1,041	1,328	2,386	1,333	290	1,058	201	2	-	573	71	97,659	105,942
PULAU PINANG	320	3,718	637	844	1,225	807	437	649	111	-	334	6,836	15,918
JOHOR	1,526	2,486	411	740	-	2,610	-	-	-	1,847	-	5,795	15,415
KUANTAN	155	1,282	636	-	-	1,068	-	-	-	-	-	903	4,043
BINTULU	75	906	-	-	-	499	-	-	-	526	-	2,877	4,883
TANJUNG BRUAS	-	-	225	25	-	-	-	-	-	-	-	55	304
KUCHING	-	767	446	514	158	309	122	72	30	641	409	3,846	7,314
MIRI	-	203	77	-	-	50	121	16	4	-	133	238	842
RAJANG	-	352	95	72	22	83	189	31	16	-	266	488	1,614
SABAH	-	-	-	-	-	-	-	-	-	-	-	13,851	13,851
PORT DICKSON	-	8,279	-	-	-	-	-	-	-	-	-	3,476	11,755
KEMAMAN	-	-	44	-	-	-	-	-	-	-	-	3,205	3,249
TELOK EWA	-	-	-	-	-	-	-	-	-	-	-	696	696
TANJUNG PELEPAS	-	-	104	-	-	56	-	42	320	-	609	281	1,412
JUMLAH Total	3,118	19,321	5,061	3,528	1,695	6,539	1,070	812	480	3,587	1,822	140,205	187,237

SUMBER : SEMUA PELABUHAN DAN JABATAN LAUT

Source : All Ports and Marine Department

JADUAL 3.5 : JUMLAH KONTENA YANG DIKENDALIKAN MENGIKUT PELABUHAN, MALAYSIA, 2003-2012
Table 3.5 : Total Container Throughput By Ports, Malaysia, 2003-2012

			TEU									
BIL No	PELABUHAN Ports		2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
1	KELANG	EKSPORT <i>Export</i>	2,373,299	1,234,229	1,276,661	1,387,625	1,474,193	1,598,544	1,478,354	1,718,845	1,720,542	1,821,995
		IMPORT <i>Import</i>	2,467,936	1,294,269	1,342,901	1,403,946	1,527,893	1,629,977	1,515,743	1,716,304	1,794,508	1,873,267
		PINDAH KAPAL <i>Trans-shipment</i>	-	2,715,095	2,923,965	3,554,724	4,116,628	4,745,058	4,315,682	5,436,596	6,088,876	6,306,233
		JUMLAH Total	4,841,235	5,243,593	5,543,527	6,346,295	7,118,714	7,973,579	7,309,779	8,871,745	9,603,926	10,001,495
2	PULAU PINANG	EKSPORT <i>Export</i>	362,411	403,938	372,576	422,216	488,254	487,049	450,999	532,936	570,500	565,516
		IMPORT <i>Import</i>	325,760	368,086	357,213	406,492	410,282	401,727	444,530	506,841	557,050	538,074
		PINDAH KAPAL <i>Trans-shipment</i>	-	-	65,500	21,022	27,455	28,855	62,947	66,321	74,629	62,143
		JUMLAH Total	688,171	772,024	795,289	849,730	925,991	917,631	958,476	1,106,098	1,202,179	1,165,733
3	JOHOR	EKSPORT <i>Export</i>	454,426	497,228	382,675	410,422	421,045	400,849	367,368	394,192	344,213	332,905
		IMPORT <i>Import</i>	296,040	308,461	323,331	335,335	363,672	374,281	334,140	371,463	349,632	350,826
		PINDAH KAPAL <i>Trans-shipment</i>	-	-	136,297	134,854	142,567	159,637	143,348	110,613	136,495	117,327
		JUMLAH Total	750,466	805,689	842,303	880,611	927,284	934,767	844,856	876,268	830,340	801,058
4	KUANTAN	EKSPORT <i>Export</i>	55,476	62,072	61,842	64,167	65,577	64,545	66,567	72,850	67,204	69,356
		IMPORT <i>Import</i>	52,632	59,760	55,975	59,581	61,892	61,936	65,351	69,134	64,943	66,726
		PINDAH KAPAL <i>Trans-shipment</i>	-	913	1,250	1,086	131	580	334	96	649	19
		JUMLAH Total	108,108	122,745	119,067	124,834	127,600	127,061	132,252	142,080	132,796	136,101

SUMBER : SEMUA PELABUHAN DAN JABATAN LAUT

Source : All Ports and Marine Department

TEU : Twenty - Foot Equivalent Unit



JADUAL 3.5 : JUMLAH KONTENA YANG DIKENDALIKAN MENGIKUT PELABUHAN, MALAYSIA, 2003-2012 (SAMB.)
Table 3.5 : Total Container Throughput By Ports, Malaysia, 2003-2012 (Cont'd)

			TEU									
BIL No	PELABUHAN Ports		2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
5	BINTULU	EKSPORT Export	22,913	31,240	34,241	44,366	62,320	78,645	68,926	74,600	70,707	84,809
		IMPORT Import	18,648	27,380	29,688	37,398	50,050	72,839	66,830	73,127	77,703	88,410
		PINDAH KAPAL Trans-shipment	104,100	85,163	83,891	117,940	139,430	138,683	112,634	103,569	67,041	58,010
		JUMLAH Total	145,661	143,783	147,820	199,704	251,800	290,167	248,390	251,296	215,451	231,229
6	KUCHING	EKSPORT Export	67,356	68,509	68,799	73,524	78,325	82,235	76,753	92,458	104,568	112,500
		IMPORT Import	71,643	71,720	73,703	78,022	84,143	87,836	82,677	94,631	103,441	108,141
		PINDAH KAPAL Trans-shipment	-	998	594	848	870	1,872	1,661	3,553	6,811	11,185
		JUMLAH Total	138,999	141,227	143,096	152,394	163,338	171,943	161,091	190,642	214,820	231,826
7	MIRI	EKSPORT Export	6,373	7,217	7,442	9,001	10,405	13,555	12,095	14,599	14,234	14,676
		IMPORT Import	6,927	7,185	7,381	7,836	10,754	14,530	13,007	15,174	17,605	16,823
		PINDAH KAPAL Trans-shipment	-	-	-	-	-	-	-	-	-	-
		JUMLAH Total	13,300	14,402	14,823	16,837	21,159	28,085	25,102	29,773	31,839	31,499
8	RAJANG	EKSPORT Export	25,454	26,477	26,799	26,652	32,823	37,698	31,679	39,278	43,861	43,653
		IMPORT Import	25,385	27,263	27,578	27,089	33,085	36,622	34,531	41,055	44,839	45,878
		PINDAH KAPAL Trans-shipment	-	-	-	-	-	-	-	-	-	-
		JUMLAH Total	50,839	53,740	54,377	53,741	65,908	74,320	66,210	80,333	88,700	89,531

SUMBER : SEMUA PELABUHAN DAN JABATAN LAUT
 Source : All Ports and Marine Department
 TEU : Twenty - Foot Equivalent Unit

JADUAL 3.5 : JUMLAH KONTENA YANG DIKENDALIKAN MENGIKUT PELABUHAN, MALAYSIA, 2003-2012 (SAMB.)
Table 3.5 : Total Container Throughput By Ports, Malaysia, 2003-2012 (Cont'd)

			TEU									
BIL No	PELABUHAN Ports		2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
9	SABAH	EKSPORT <i>Export</i>	-	104,289	103,167	112,890	130,172	145,789	137,026	162,634	177,057	187,349
		IMPORT <i>Import</i>	-	103,809	105,321	114,194	133,035	146,899	140,879	164,192	180,889	187,275
		PINDAH KAPAL <i>Trans-shipment</i>	-	-	-	-	8,264	-	-	-	-	-
		JUMLAH Total	-	208,098	208,488	227,084	271,471	292,688	277,905	326,826	357,946	374,624
10	TANJUNG PELEPAS	EKSPORT <i>Export</i>	104,658	125,615	151,202	161,878	173,759	214,404	190,953	208,210	285,093	308,625
		IMPORT <i>Import</i>	43,594	42,194	40,457	44,528	51,574	97,383	105,655	102,457	131,904	139,333
		PINDAH KAPAL <i>Trans-shipment</i>	3,168,702	3,668,161	3,985,464	4,431,013	5,072,298	5,154,404	5,538,477	5,988,066	6,885,463	7,045,848
		JUMLAH Total	3,316,954	3,835,970	4,177,123	4,637,418	5,297,631	5,466,191	5,835,085	6,298,733	7,302,460	7,493,805
JUMLAH BESAR GRAND TOTAL		EKSPORT <i>Export</i>	3,472,366	2,560,814	2,485,404	2,712,741	2,936,873	3,123,313	2,880,720	3,310,602	3,397,979	3,541,384
		IMPORT <i>Import</i>	3,308,565	2,310,127	2,363,548	2,514,421	2,726,380	2,924,030	2,803,343	3,154,378	3,322,514	3,414,753
		PINDAH KAPAL <i>Trans-shipment</i>	3,272,802	6,470,330	7,196,961	8,261,487	9,507,643	10,229,089	10,175,083	11,708,814	13,259,964	13,600,765
		JUMLAH Total	10,053,733	11,341,271	12,045,913	13,488,648	15,170,896	16,276,432	15,859,146	18,173,794	19,980,457	20,556,901

SUMBER : SEMUA PELABUHAN DAN JABATAN LAUT

Source : All Ports and Marine Department

TEU : Twenty - Foot Equivalent Unit


JADUAL 3.6 : JUMLAH KAPAL YANG BERLABUH MENGIKUT PELABUHAN, MALAYSIA, 2003-2012
Table 3.6 : Total Number of Ships Calling by Ports, Malaysia, 2003-2012

PELABUHAN Ports		2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
KELANG	BIL/No	16,251	15,150	15,050	16,404	17,149	16,864	15,356	17,910	18,117	17,808
	GRT ('000)	222,097	223,661	235,037	259,094	297,671	306,682	236,891	363,322	392,947	384,436
PULAU PINANG	BIL/No	6,419	6,804	6,220	6,177	6,036	5,779	5,559	6,136	6,327	7,796
	GRT ('000)	29,943	33,096	35,938	38,311	48,843	37,068	42,411	60,978	62,034	66,941
JOHOR	BIL/No	6,877	6,526	6,138	6,337	6,004	5,823	5,121	4,882	4,899	4,252
	GRT ('000)	27,840	28,705	28,910	26,916	23,637	41,037	41,348	38,177	36,864	30,286
KUANTAN	BIL/No	2,280	2,382	2,195	2,324	2,375	2,315	2,447	2,405	2,440	2,470
	GRT ('000)	17,360	15,968	15,558	17,617	15,959	15,432	18,049	19,274	21,694	22,469
BINTULU	BIL/No	4,825	5,617	5,789	6,024	6,007	7,015	7,514	7,601	7,606	7,581
	GRT ('000)	46,237	53,676	57,406	57,616	60,111	60,384	58,668	61,563	64,052	63,987
TANJUNG BRUAS	BIL/No	162	183	149	119	159	147	115	104	104	91
	GRT ('000)	614	620	409	196	571	508	406	383	405	384
KUCHING	BIL/No	2,920	2,180	3,252	3,022	2,669	2,190	1,899	2,111	1,982	1,933
	GRT ('000)	9,302	8,514	9,480	9,804	9,327	8,666	8,444	9,716	10,132	10,337
MIRI	BIL/No	1,789	2,312	3,120	2,504	1,643	1,690	1,637	1,645	1,692	1,779
	GRT ('000)	8,399	7,752	8,136	8,455	9,005	8,691	8,387	7,720	7,156	6,134
RAJANG	BIL/No	2,090	2,006	1,996	1,881	1,727	1,692	1,690	1,821	1,680	1,378
	GRT ('000)	8,416	8,138	8,452	8,280	7,179	6,797	6,918	6,990	6,360	3,611
SABAH	BIL/No	13,993	15,006	14,940	15,505	14,456	13,540	13,227	13,125	12,754	14,641
	GRT ('000)	34,630	34,835	36,350	37,063	35,181	35,265	33,840	33,336	36,467	37,997
PORT DICKSON	BIL/No	1,103	1,278	1,126	1,000	1,628	1,282	1,028	892	869	963
	GRT ('000)	9,810	9,970	9,218	9,500	12,591	11,640	11,560	11,203	10,938	11,685
KEMAMAN	BIL/No	363	337	319	272	374	344	391	553	423	605
	GRT ('000)	2,983	3,309	3,099	1,666	3,905	3,966	3,757	4,240	4,187	5,723
TELUK EWA	BIL/No	368	381	535	563	597	637	633	595	589	510
	GRT ('000)	2,440	2,402	2,438	2,509	2,509	2,592	3,028	2,653	2,711	2,635
TANJUNG PELEPAS	BIL/No	3,148	3,193	3,128	3,261	3,747	3,760	3,776	4,162	5,125	5,041
	GRT ('000)	25,200	25,544	25,024	26,088	29,976	30,112	30,208	33,296	41,000	40,328
JUMLAH Total	BIL/No	62,588	63,355	63,957	65,393	64,571	63,078	60,393	63,942	64,607	66,848
	GRT ('000)	445,271	456,190	475,455	503,115	556,465	568,840	503,915	652,852	696,948	686,953

SUMBER : SEMUA PELABUHAN DAN JABATAN LAUT

Source : All Ports and Marine Department

GRT : Gross Register Tonnage

JADUAL 3.7 : JENIS-JENIS KAPAL YANG BERLABUH MENGIKUT PELABUHAN, MALAYSIA, 2012
Table 3.7 : Type of Ships Calling by Ports, Malaysia, 2012

PELABUHAN Ports	PERENTAS SAMUDERA Foreign Going							PERSISIRAN Coastal							JUMLAH BESAR Grand Total
	KONTENA Container		KARGO AM General Cargo	TANKER CECAIR Liquid Tankers	PUKAL KERING Dry Bulk	LAIN-LAIN Others	JUMLAH Total	KONTENA Container		KARGO AM General Cargo	TANKER CECAIR Liquid Tankers	PUKAL KERING Dry Bulk	LAIN-LAIN Others	JUMLAH Total	
	INDUK Main Line	FEEDER Feeder						INDUK Main Line	FEEDER Feeder						
KELANG	-	10,300	1,237	1,892	398	1,452	15,279	-	1,017	310	120	23	1,059	2,529	17,808
PULAU PINANG	-	-	632	873	200	2,257	3,962	-	1,599	37	315	-	1,883	3,834	7,796
JOHOR	1,160	-	457	1,703	358	-	3,678	573	-	1	-	-	-	574	4,252
KUANTAN	21	413	321	804	452	48	2,059	-	-	84	275	6	46	411	2,470
BINTULU	42	400	524	1,156	195	489	2,806	1	453	559	626	121	3,015	4,775	7,581
TANJUNG BRUAS	-	-	56	1	14	-	71	-	-	20	-	-	-	20	91
KUCHING	50	190	158	136	74	128	736	-	504	305	81	3	304	1,197	1,933
MIRI	-	-	204	17	150	-	371	-	213	992	203	-	-	1,408	1,779
RAJANG	-	-	-	-	281	-	281	-	779	124	129	65	-	1,097	1,378
SABAH	-	-	-	-	-	-	4,791	-	-	-	-	-	-	9,850	14,641
PORT DICKSON	-	-	-	434	73	59	566	-	-	-	253	56	91	397	963
KEMAMAN	-	-	45	400	119	-	564	-	-	-	7	34	-	41	605
TELOK EWA	-	-	-	17	144	69	230	-	-	-	10	136	134	280	510
TANJUNG PELEPAS	2,315	2,413	-	-	-	-	4,728	61	252	-	-	-	-	313	5,041
JUMLAH Total	3,588	13,716	3,634	7,433	2,458	4,502	40,122	635	4,817	2,432	2,019	444	6,532	26,726	66,848

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, 2008-2012

Table 3.8 : Number of Ships Registered in Malaysia by Type (New Classification) and Weight, Malaysia, 2008-2012

JENIS KAPAL Type of Ship	2008			2009			2010			2011			2012		
	BIL No.	GRT (' 000)	NRT (' 000)	BIL No.	GRT (' 000)	NRT (' 000)	BIL No.	GRT (' 000)	NRT (' 000)	BIL No.	GRT (' 000)	NRT (' 000)	BIL No.	GRT (' 000)	NRT (' 000)
TANGKI MINYAK / Oil Tanker	26	230	136	5	172	116	17	67	28	17	82	40	22	177	81
KAPAL LNG, LPG / LNG, LPG Carrier	3	320	95	1	108	32	-	-	-	-	-	-	-	-	-
TANGKI KIMIA / PETROLEUM Chemical / Petroleum Tanker	13	65	30	4	24	11	14	249	94	15	129	49	2	3	1
KAPAL PUKAL, BIJIH, KAYU BALAK / Bulk, Grain, Ore, Log Carrier	4	35	21	-	-	-	2	37	23	1	18	11	1	5	2
KARGO AM, SEPARA KONTENA / General Cargo, Semi Container	18	18	8	5	3	2	5	21	11	25	44	23	11	20	10
KAPAL PENUMPANG, AM / PENUMPANG / Passenger, General/ Passenger Ship	8	1	1	19	1	1	7	2	1	15	2	1	4	1	0
RO-RO	-	-	-	-	-	-	1	39	12	2	26	8	1	47	14
KONTENA PENUH / Full Container	4	26	13	-	-	-	4	24	14	2	16	7	3	31	16
"OFFSHORE SUPPORT VESSEL"	41	54	16	13	12	4	19	17	5	36	59	18	23	21	6
TONGKANG / Barge	100	174	56	33	82	26	44	79	24	53	93	30	42	86	30
LAIN-LAIN / Others	238	377	160	72	124	50	156	280	128	226	365	151	189	436	181
JUMLAH / Total	455	1,300	536	152	526	241	269	816	339	392	835	338	298	827	342

SUMBER : JABATAN LAUT MALAYSIA
 Source : Marine Department Malaysia

JADUAL 3.9 : JUMLAH KESELURUHAN KAPAL-KAPAL YANG DIDAFTARKAN DI MALAYSIA MENGIKUT JENIS (PENGELASAN BARU) DAN BERAT, MALAYSIA, 2008-2012

Table 3.9 : Total of Ships Registered in Malaysia by Type (New Classification) and Weight, Malaysia, 2008-2012

JENIS KAPAL Type of Ship	2008			2009			2010			2011			2012		
	BIL No.	GRT (' 000)	NRT (' 000)	BIL No.	GRT (' 000)	NRT (' 000)	BIL No.	GRT (' 000)	NRT (' 000)	BIL No.	GRT (' 000)	NRT (' 000)	BIL No.	GRT (' 000)	NRT (' 000)
TANGKI MINYAK / Oil Tanker	197	2,417	1,424	205	2,572	1,522	193	2,318	1,374	209	2,387	1,408	215	2,419	1,414
KAPAL LNG, LPG / LNG, LPG Carrier	49	2,448	743	47	2,543	771	45	2,540	770	43	2,534	768	41	2,373	719
TANGKI KIMIA / PETROLEUM Chemical / Petroleum Tanker	537	41	227	52	680	293	51	793	318	66	905	361	63	822	327
KAPAL PUKAL, BIJIH, KAYU BALAK / Bulk, Grain, Ore, Log Carrier	23	373	215	21	346	203	15	229	137	17	239	141	15	193	112
KARGO AM, SEPARA KONTENA / General Cargo, Semi Container	508	594	325	512	619	338	478	554	301	527	578	314	491	579	314
KAPAL PENUMPANG, AM / PENUMPANG / Passenger, General / Passenger Ship	331	54	21	332	55	21	319	54	21	442	63	24	322	47	17
RO-RO	11	72	24	10	61	20	10	75	24	12	101	32	10	130	40
KONTENA PENUH / Full Container	56	782	405	57	787	410	56	752	395	53	710	378	33	218	111
"OFFSHORE SUPPORT VESSEL"	195	159	49	218	177	54	207	164	50	251	237	72	249	218	66
TONGKANG / Barge	1,403	1,360	538	1,441	1,474	572	1,362	1,249	440	1,455	1,406	491	1,455	1,400	489
LAIN-LAIN / Others	1,638	1,472	633	1,782	1,879	814	1,730	1,806	789	2,070	2,335	1,001	2,136	2,618	1,085
JUMLAH / Total	4,452	10,268	4,604	4,677	11,194	5,017	4,466	10,532	4,617	5,145	11,496	4,990	5,030	11,017	4,694

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), 2008-2012

Table 3.10 : Total Number of Licenses Issued by Type of Cargo and Registration by Domestic Shipping Licensing Board (DSL B), 2008-2012

JENIS KARGO <i>Type of Cargo</i>	2008		2009		2010		2011		2012	
	DAFTARAN MALAYSIA <i>Malaysian Registered</i>	DAFTARAN ASING <i>Foreign Register</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>	899	104	864	45	821	28	848	29	881	37
KELAPA SAWIT <i>Palm Oil</i>	25	120	15	73	20	77	38	85	38	73
PETROLUEM / DIESEL <i>Petroleum / Diesel</i>	155	254	195	370	200	470	214	542	211	686
PENUMPANG <i>Passenger</i>	137	49	144	57	135	60	114	36	122	24
KONTENA <i>Container</i>	78	20	73	26	58	38	57	28	50	51
KIMIA <i>Chemical</i>	11	112	28	139	24	108	10	120	15	102
KHIDMAT TUNDA <i>Towing Services</i>	504	629	507	590	547	578	587	496	622	601
PERALATAN KERJA CAR I GAL I <i>Exploration Work Equipment</i>	36	382	100	417	153	557	161	585	172	902
KENDERAAN / RO-RO <i>Vehicle / Ro-ro</i>	6	0	10	0	10	0	7	0	7	2
BAHAN BINAAN <i>Construction Material</i>	39	146	45	163	83	220	78	216	75	368
KAYU BALAK <i>Log Wood</i>	242	0	235	0	250	0	249	0	234	2
SIMEN KLINKER <i>Clinker Cement</i>	1	58	0	41	0	59	0	45	0	57
LAIN - LAIN <i>Others</i>	188	377	142	324	106	308	98	310	106	346
JUMLAH <i>Total</i>	2,321	2,251	2,358	2,245	2,407	2,503	2,461	2,492	2,533	3,251

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

JADUAL 3.11 : JUMLAH LESEN PERKAPALAN YANG DIKELUARKAN MENGIKUT JENIS LESEN DAN PENDAFTARAN OLEH LEMBAGA PERLESENAN PERKAPALAN DALAM NEGERI (LPPDN), 2008–2012

Table 3.11 : Total Number of Licenses Issued by Type of License and Registration by Domestic Shipping Licensing Board (DSLBB), 2008-2012

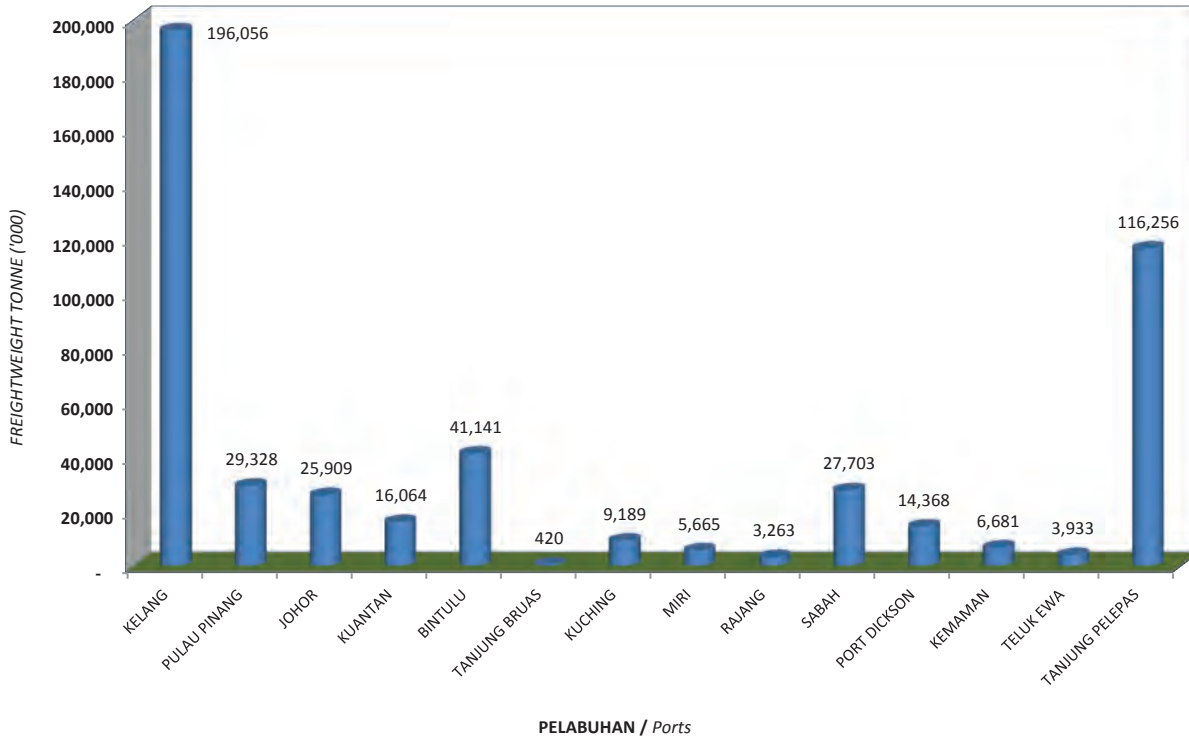
JENIS LESEN <i>Type of Licenses</i>	2008		2009		2010		2011		2012	
	DAFTARAN MALAYSIA <i>Malaysian Registered</i>	DAFTARAN ASING <i>Foreign Registered</i>	DAFTARAN MALAYSIA <i>Malaysian Registered</i>	DAFTARAN ASING <i>Foreign Registered</i>	DAFTARAN MALAYSIA <i>Malaysian Registered</i>	DAFTARAN ASING <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>	221	2,251	205	2,245	211	2,503	176	2,492	251	3,251
BERSYARAT <i>Conditional</i>	1,804	0	1,874	0	1,886	0	1,987	0	2,047	0
TANPA SYARAT <i>Unconditional</i>	296	0	279	0	310	0	298	0	235	0
JUMLAH <i>Total</i>	2,321	2,251	2,358	2,245	2,407	2,503	2,461	2,492	2,533	3,251

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

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

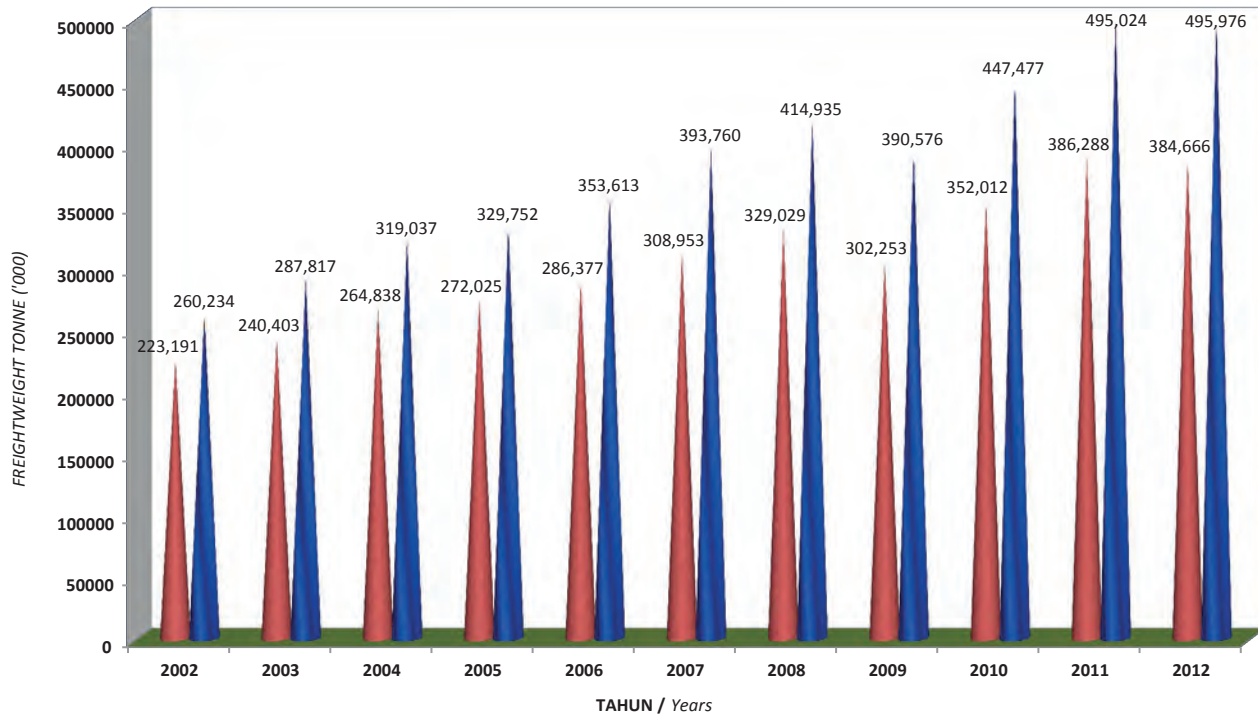


CARTA 3.1 : KARGO YANG DIKENDALIKAN MENGIKUT PELABUHAN, MALAYSIA, 2012
Chart 3.1 : Cargo Throughput by Ports, Malaysia, 2012





CARTA 3.2 : JUMLAH KARGO YANG DIKENDALIKAN DI PELABUHAN, MALAYSIA, 2002-2012
Chart 3.2 : Total Cargo Throughput at Ports, Malaysia, 2002-2012

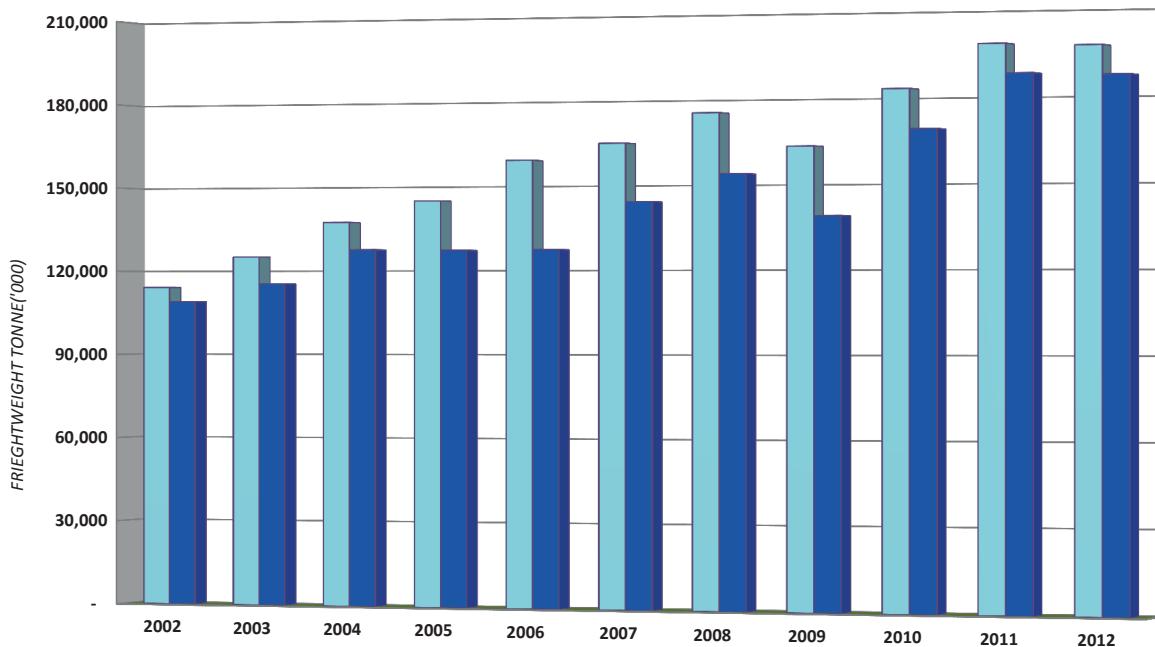


■ TIDAK TERMASUK PINDAH KAPAL / Excluding Transhipment ■ TERMASUK PINDAH KAPAL / Including Transhipment



CARTA 3.3 : JUMLAH KARGO IMPORT DAN EKSPORT YANG DIKENDALIKAN DI PELABUHAN, MALAYSIA, 2002-2012

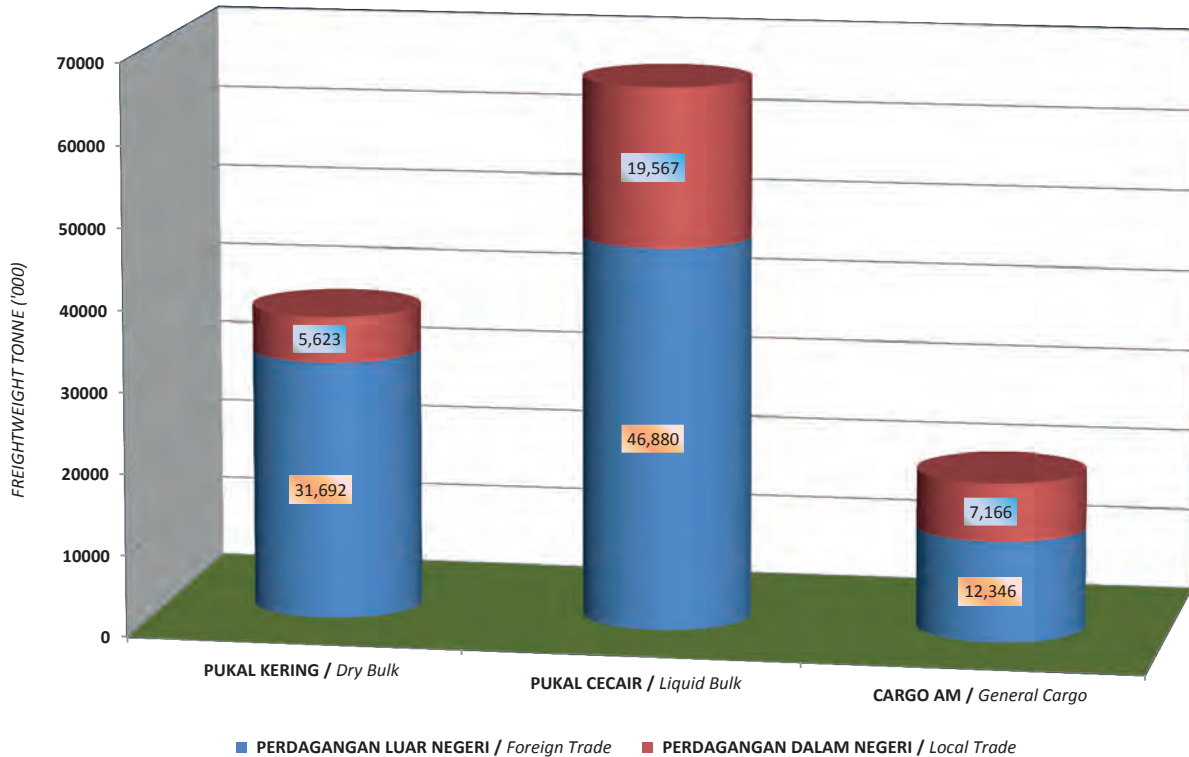
Chart 3.3 : Total Import and Export Cargo Troughput at Ports, Malaysia, 2002-2012



	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
■ EKSPORT	114,156	124,995	137,327	144,814	159,032	164,815	175,249	163,295	183,014	198,290	197,429
■ IMPURT	109,035	115,408	127,511	127,211	127,345	144,138	153,780	138,957	168,999	187,997	187,237



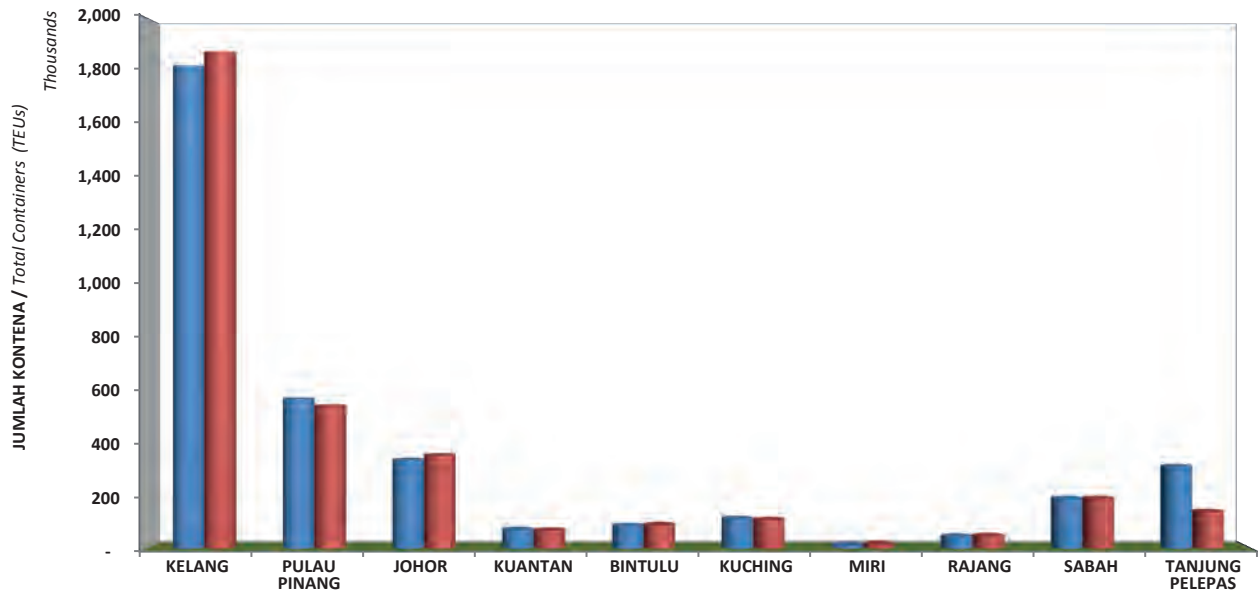
CARTA 3.4 : KENDALIAN KARGO UNTUK PERDAGANGAN DALAM NEGERI DAN LUAR NEGERI, 2012
Chart 3.4 : Cargo Handling for Local and Foreign Trade, 2012





CARTA 3.5 : PENGENDALIAN IMPORT DAN EKSPORT KONTENA MENGIKUT PELABUHAN, MALAYSIA, 2012

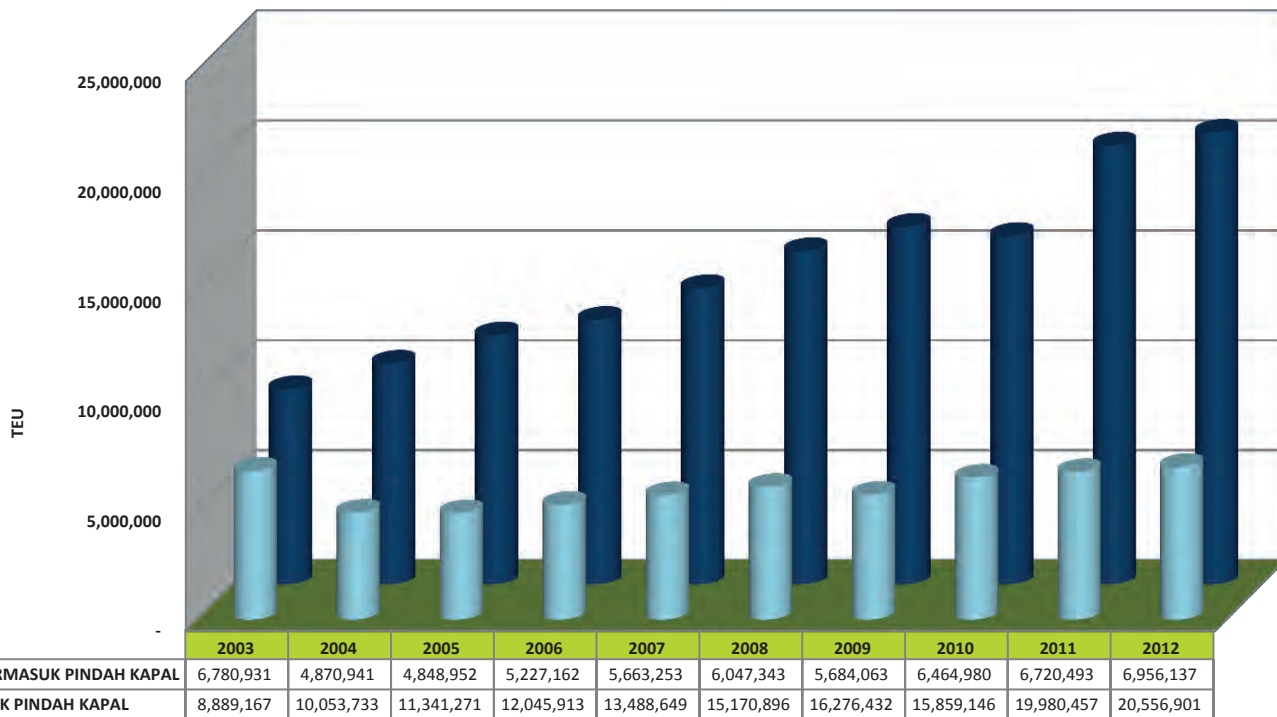
Chart 3.5 : Handling of Import and Export Container by Ports, Malaysia, 2012



	KELANG	PULAU PINANG	JOHOR	KUANTAN	BINTULU	KUCHING	MIRI	RAJANG	SABAH	TANJUNG PELEPAS
■ EKSPORT Export	1,821,995	565,516	332,905	69,356	84,809	112,500	14,676	43,653	187,349	308,625
■ IMPORT Import	1,873,267	538,074	350,826	66,726	88,410	108,141	16,823	45,878	187,275	139,333

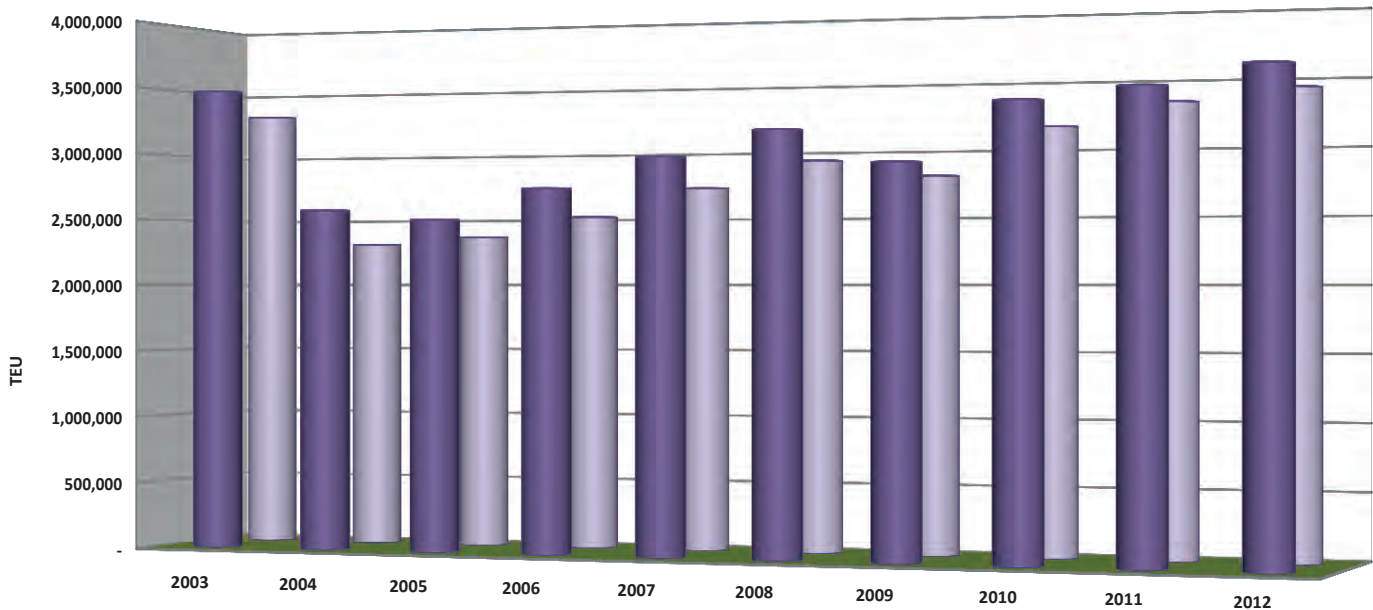
CARTA 3.6 : JUMLAH KONTENA YANG DIKENDALIKAN DI PELABUHAN, MALAYSIA , 2003-2012

Chart 3.6 : Total Container Throughput At Ports, Malaysia, 2003-2012





CARTA 3.7 : PENGENDALIAN KONTENA IMPORT DAN EKSPORT MENGIKUT TAHUN, MALAYSIA, 2003-2012
Chart 3.7 Handling of Import and Export Container Year, Malaysia, 2003-2012



	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
■ EKSPORT	3,472,366	2,560,814	2,485,404	2,712,741	2,936,873	3,123,313	2,880,720	3,310,602	3,397,979	3,541,384
■ IMPORT	3,308,565	2,310,127	2,363,548	2,514,421	2,726,380	2,924,030	2,803,343	3,154,378	3,322,514	3,414,753



**PENGANGKUTAN
UDARA** Air Transport
Kementerian Pengangkutan Malaysia
Ministry of Transport Malaysia


JADUAL 4.1 : KEMUDAHAN LAPANGAN TERBANG ANTARABANGSA, MALAYSIA, 2012
Table 4.1 : International Airport Facilities, Malaysia, 2012

LAPANGAN TERBANG <i>Airport</i>	KATEGORI PERKHIDMATAN BOMBA & PENYELAMAT <i>Airport Fire & Rescue Services Category (AFRS)</i>	PANJANG / LEBAR LANDASAN <i>Runaway Length / Width (m)</i>	KEUPAYAAN LANDASAN <i>Load Classification Number</i>	WAKTU BEROPERAS <i>Hours of Operation</i>	PENDARATAN PESAWAT TERBESAR <i>Biggest Aircraft Landed</i>	SISTEM PERHUBUNGAN & PEMALIMAN UDARA <i>Radio and Air Navigational Aids</i>
KLIA	CAT IX	4019M X 60M (32R/14L) 4000M X 60M (32L/14R)	PCN 100 F/C/W/T	24 hrs	B747	2 X ILS/DME. VOR/DME, 2 X NBD 2 X LCTR, APP.RADAR
JOHOR	CAT VIII	3800m x 45m	PCN 70/F/A/W/T	0600am - 0000mn	A380	ILS/LLZ, GP/DME, NDB, DVOR/DME
PULAU PINANG	CAT IX	3352m X 45m	PCN 105F/B/X/U	24 hrs	B747 Restricted	ILS/LLZ. GP/DME, L/NBD, DVOR/DME
LANGKAWI	CAT IX	3810m X 45m	PCN 77F/C/W/T	2300 - 1500 UTC	B747	ILS/LLZ, GP/DME, DVOR/DME
KUCHING	CAT IX	3780m X 46m	PCN 59F/B/X/U	24 hrs	B747	ILS/LLZ. GP/DME, NBD DVOR/DME
KOTA KINABALU	CAT IX	3780m X 45m	PCN 59F/B/X/U	24 hrs	B747	ILS/DME, VOR/DME, LCTR

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

JADUAL 4.2 : KEMUDAHAN LAPANGAN TERBANG DALAM NEGERI, MALAYSIA, 2012

Table 4.2 : Domestic Airport Facilities, Malaysia, 2012

LAPANGAN TERBANG <i>Airport</i>	KATEGORI PERKHIDMATAN BOMBA & PENYELAMAT <i>Airport Fire & Rescue Services Category (AFRS)</i>	PANJANG / LEBAR LANDASAN <i>Runway Length / Width (m)</i>	KEUPAYAAN LANDASAN <i>Load Classification Number</i>	WAKTU BEROPERAS <i>Hours of Operation</i>	PENDARATAN PESAWAT TERBESAR <i>Biggest Aircraft Landed</i>	SISTEM PERHUBUNGAN & PEMALIMAN UDARA <i>Radio and Air Navigational Aids</i>
ALOR SETAR	CAT VI	2745 m X 45 m	PCN 96/F/C/X/T	2230 - 1430 UTC	Designed for A330 but no A330 schedule flight, biggest aircraft is A320 only	ILS/LLZ,GP/DME, DVOR/DME,NDB
KOTA BHARU	CAT VI	1981m X45 m	PCN 51/F/A/W/T	2200 - 1530 UTC	B737-800	NDB, DVOR/DME, ILS/LLZ, GP/DME
KUANTAN	CAT VII	2804 m X 46 m	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	CAT VI	1798m X 36 m	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	CAT V	2135 m X 45 m	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 X45m	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	CAT VII	3780 m 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.	992 X30	n.a	0900-1700	DASH 7	n.a
BINTULU	CAT VI	2745 m X 45 m	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	CAT VI	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	CAT VI	2745 m X 45 m	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	CAT V	1371m X 30 m	LCN 20	0000 - 0900 UTC	ATR-72	LCTR
LABUAN	CAT VII	2745m X 45 m	PCN 79/F/C/X/T	2200 - 1400 UTC	Designed for A330 but no A330 schedule flight, biggest aircraft is A320 only	NVOR/LCTR,ILS
SANDAKAN	CAT VI	2133 m X 46 m	LCN 90	2200 - 1400 UTC	A320	ILS/LLZ,GP/DME,NDB, DVOR/DME
TAWAU	CAT VI	2685 m X 45m	PCN 69/F/C/W/T	2300 - 1400 UTC	A320	ILS/LOC, GP/DME, NDB, DVOR/DME
LIMBANG	CAT V	1500m X30m	PCN15/F/C/W/T	2230 - 1030 UTC	ATR 72	DVOR /DME
MULU	CAT V	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, 2012

Table 4.3 : Airstrips Facilities, Malaysia, 2012

LAPANGAN TERBANG <i>Airport</i>	PANJANG / LEBAR LANDASAN <i>Runway Length / Width (m)</i>	KEUPAYAAN LANDASAN <i>Load Classification Number</i>	WAKTU BEROPERASI <i>Hours of Operation</i>	PENDARATAN PESAWAT TERBESAR <i>Biggest Aircraft Landed</i>	SISTEM PERHUBUNGAN & PEMALIMAN UDARA <i>Radio and Air Navigational Aids</i>
SEMENANJUNG MALAYSIA <i>Peninsular Malaysia</i>					
SITIAWAN	n.a	n.a	n.a	n.a	n.a
MERSING	n.a	n.a	n.a	n.a	n.a
BIDOR	n.a	n.a	n.a	n.a	n.a
BAKRI / MUAR	n.a	n.a	n.a	n.a	n.a
SEGAMAT	n.a	n.a	n.a	n.a	n.a
SUNGAI TIANG	n.a	n.a	n.a	n.a	n.a
PULAU PANGKOR	792m X 30m	PCN 12/F/C/Y/T	0100 - 0900 UTC	DASH 7	n.a
PULAU TIOMAN	992m X302m	Tarmac	0000-0900 UTC	DASH 7	ILS/LLZ,GP/DME,L,DVOR/DME
PULAU REDANG	1100m X302m	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 X18m	Bitumen sealed AUW 6,123 kgs	sunrise to sunset	DHC-6 (Twin Otter)	n.a
BELAGA	427m X 18m	n.a	No commercial flight	DHC-6 (Twin Otter)	n.a
KAPIT	427m X 18m	n.a	No commercial flight	DHC-6 (Twin Otter)	n.a
BAKELALAN	547m X 18m	Bitumen	sunrise to sunset	DHC-6 (Twin Otter)	n.a
LONG LELLANG	800m x 18m	Bitumen	sunrise to sunset	DHC-6 (Twin Otter)	n.a
LONG SEMANDO	487m x 18m	crushed stone	No commercial flight	DHC-6 (Twin Otter)	n.a
LONG SERIDAN	548m x 18m	Bitumen	0800-1700	DHC-6 (Twin Otter)	n.a
LONG BANGA	550m X 18m	Bitumen	sunrise to sunset	DHC-6 (Twin Otter)	n.a
MUKAH	1097m X 23m	Bitumen sealed AUW 6,123 kgs	sunrise to sunset	DHC-6 (Twin Otter)	n.a
MARUDI	800m X 24m	Bitumen sealed AUW 6,123 kgs	0030-1030 UTC	DHC-6 (Twin Otter)	n.a
LONG AKAH	680m X 18m	PCN12/F/C/Y/U	sunrise to sunset	DHC-6 (Twin Otter)	n.a

SUMBER / Source : MALAYSIA AIRPORTS HOLDINGS BERHAD



JADUAL 4.3 : KEMUDAHAN PADANG TERBANG , MALAYSIA, 2012 (SAMB)

Table 4.3 : Airstrips Facilities, Malaysia, 2012 (Cont'd)

LAPANGAN TERBANG <i>Airport</i>	PANJANG / LEBAR LANDASAN <i>Runway Length / Width (m)</i>	KEUPAYAAN LANDASAN <i>Load Classification Number</i>	WAKTU BEROPERAS <i>Hours of Operation</i>	PENDARATAN PESAWAT TERBESAR <i>Biggest Aircraft Landed</i>	SISTEM PERHUBUNGAN & PEMALIMAN UDARA <i>Radio and Air Navigational Aids</i>
SABAH					
KUDAT	730m X 18m	Asphalt AUW 6123kg	<i>sunrise to sunset</i>	<i>DHC-6 Twin Otter</i>	n.a
PAMOL	n.a	n.a	n.a	n.a	n.a
SEMPORNA	609m X 24m	n.a	<i>No commercial flight</i>	<i>DHC-6 Twin Otter</i>	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	<i>No commercial flight</i>	<i>DHC-6 Twin Otter</i>	n.a
KUALA PENYU	n.a	n.a	n.a	n.a	n.a
SEPULOT	n.a	n.a	n.a	n.a	n.a
SAHABAT	n.a	n.a	n.a	n.a	n.a
TOMMANGGONG	n.a	n.a	n.a	n.a	n.a
TELUPID	n.a	n.a	n.a	n.a	n.a
KELABAKAN	n.a	n.a	n.a	n.a	n.a
HUNTER (MOROTAI)	n.a	n.a	n.a	n.a	n.a
KUALA KAHABA	n.a	n.a	n.a	n.a	n.a
KUALA MEDAMIT	n.a	n.a	n.a	n.a	n.a
MARAK-MARAK	n.a	n.a	n.a	n.a	n.a
MERIDI	n.a	n.a	n.a	n.a	n.a
NANGO	n.a	n.a	n.a	n.a	n.a
PARAMUDU	n.a	n.a	n.a	n.a	n.a
ULU TOMAN	n.a	n.a	n.a	n.a	n.a
WALLACE BAY	n.a	n.a	n.a	n.a	n.a

SUMBER / Source : MALAYSIA AIRPORTS HOLDINGS BERHAD



JADUAL 4.4 : JUMLAH PENUMPANG YANG DIKENDALIKAN MENGIKUT LAPANGAN TERBANG (TIDAK TERMASUK PENUMPANG TRANSIT), MALAYSIA, 2003–2012

Table 4.4 : Total Passengers Handled by Airports (Excluding Transit Passengers), Malaysia, 2003-2012

LAPANGAN TERBANG Airports	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
KLIA	17,454,564	21,058,572	23,213,926	24,129,748	26,453,379	27,529,355	29,682,093	34,087,636	37,704,510	39,887,866
PULAU PINANG	2,334,669	2,987,993	2,834,545	3,103,772	3,173,117	3,405,762	3,325,423	4,166,969	4,600,274	4,767,815
KOTA KINABALU	3,302,366	3,918,201	3,975,136	4,015,221	4,399,939	4,689,164	4,868,526	5,223,454	5,808,639	5,848,135
KUCHING	2,923,633	3,317,879	3,354,973	3,196,352	3,236,468	3,238,614	3,574,632	3,684,517	4,286,722	4,186,523
LANGKAWI	726,817	845,276	830,334	934,024	1,122,911	1,196,956	1,359,271	1,374,729	1,504,697	1,594,106
JOHOR BHARU	651,352	-	1,246,834	1,308,386	1,324,952	1,389,327	1,314,646	1,235,355	1,337,562	1,380,195
KOTA BHARU	589,950	639,871	635,397	678,306	759,316	836,060	1,003,162	1,047,755	1,132,345	1,259,205
IPOH	115,286	103,123	74,451	64,711	814	5,376	21,937	48,508	71,169	73,354
KUALA TERENGGANU	394,240	435,620	419,475	398,252	430,800	487,495	523,619	520,611	502,966	550,831
ALOR SETAR	353,778	346,502	323,669	292,549	291,006	307,564	421,314	400,997	407,717	433,644
MELAKA	31,108	46,692	27,683	18,509	27,209	23,751	18,576	21,687	21,322	34,355
SUBANG	72,491	90,593	83,602	83,502	95,583	307,747	819,840	1,118,309	1,320,227	1,442,514
KUANTAN	351,179	349,375	298,184	273,005	262,486	259,529	226,912	220,878	248,846	280,074
TIOMAN	56,900	57,957	54,054	57,559	46,260	48,767	49,057	54,056	62,010	60,141
PANGKOR	6,095	10,247	11,193	9,866	8,906	8,132	7,617	2,588	547	4,068
REDANG	-	20,750	30,650	28,928	33,738	34,957	28,246	48,610	46,159	35,960
LABUAN	696,961	686,103	642,582	575,684	535,294	550,859	476,876	505,903	567,928	617,130
LAHAD DATU	107,914	117,584	116,973	108,697	77,024	99,983	98,558	113,442	131,054	142,733
SANDAKAN	497,999	574,213	621,513	633,194	626,192	618,927	672,469	741,674	788,515	834,626
TAWAU	551,168	620,847	680,901	660,331	736,646	768,967	866,601	897,848	922,452	982,153
BINTULU	427,894	464,576	487,077	449,673	381,158	417,918	487,060	557,459	590,253	661,553
MIRI	1,377,312	1,509,684	1,594,855	1,559,379	1,454,167	1,537,840	1,620,345	1,694,915	1,856,626	2,018,415
SIBU	817,687	903,108	920,930	898,923	809,955	831,772	939,732	1,009,002	1,133,093	1,204,267
MULU	41,280	54,767	52,914	48,825	37,463	43,652	49,255	66,575	67,041	49,670
LIMBANG	83,459	96,209	105,652	89,814	50,107	49,181	45,512	50,044	56,211	57,852
STOL SABAH	6,945	7,099	6,009	5,933	1,942	3,741	-	793	5,046	5,970
STOL SARAWAK	165,704	167,805	173,956	153,199	134,079	145,807	148,674	170,506	173,289	162,760
SEMANANJUNG	23,138,429	26,992,571	30,083,997	31,381,117	34,030,477	35,840,778	38,801,713	44,348,688	48,960,351	51,804,128
<i>Peninsular</i>										
SABAH	5,163,353	5,924,047	6,043,114	5,999,060	6,377,037	6,731,641	6,983,030	7,483,114	8,223,634	8,430,747
SARAWAK	5,836,969	6,514,028	6,690,357	6,396,165	6,103,397	6,264,784	6,865,210	7,233,018	8,163,235	8,341,040
JUMLAH	34,138,751	39,430,646	42,817,468	43,776,342	46,510,911	48,837,203	52,649,953	59,064,820	65,347,220	68,575,915
<i>Total</i>										

JADUAL 4.5 : JUMLAH PENUMPANG YANG DIKENDALIKAN MENGIKUT LAPANGAN TERBANG, MALAYSIA, 2012
Table 4.5 : Total Passengers Handled by Airports, Malaysia, 2012

LAPANGAN TERBANG <i>Airports</i>	DALAM NEGERI <i>Domestic</i>			ANTARABANGSA <i>International</i>			JUMLAH <i>Total</i>			TRANSIT <i>Transit</i>		PERBANDINGAN TAHUN KE TAHUN <i>Year-on-Year Comparison</i>			
	KETIBAAN <i>Arrival</i>	BERLEPAS <i>Departure</i>	JUMLAH <i>Total</i>	KETIBAAN <i>Arrival</i>	BERLEPAS <i>Departure</i>	JUMLAH <i>Total</i>	KETIBAAN <i>Arrival</i>	BERLEPAS <i>Departure</i>	JUMLAH <i>Total</i>	DALAM NEGERI <i>Domestic</i>	ANTARA-BANGSA <i>International</i>	JUMLAH <i>Total</i>	2012	2011	% +/-
KLIA	5,981,167	5,920,291	11,901,458	13,713,614	13,898,474	27,612,088	19,694,781	19,818,765	39,513,546	193	374,127	374,320	39,887,866	37,704,510	5.8%
PULAU PINANG	1,209,063	1,229,267	2,438,330	1,162,850	1,161,076	2,323,926	2,371,913	2,390,343	4,762,256	2,760	2,799	5,559	4,767,815	4,600,274	3.6%
KOTA KINABALU	2,265,486	2,272,504	4,537,990	651,028	655,590	1,306,618	2,916,514	2,928,094	5,844,608	1,874	1,653	3,527	5,848,135	5,808,639	0.7%
KUCHING	1,872,347	1,866,511	3,738,858	210,961	210,045	421,006	2,083,308	2,076,556	4,159,864	20,216	6,443	26,659	4,186,523	4,286,722	-2.3%
LANGKAWI	726,482	737,540	1,464,022	64,344	64,677	129,021	790,826	802,217	1,593,043	1,063	-	1,063	1,594,106	1,504,697	5.9%
JOHOR BHARU	669,352	689,560	1,358,912	9,241	8,230	17,471	678,593	697,790	1,376,383	-	-	-	1,376,383	1,337,562	2.9%
KOTA BHARU	621,750	632,805	1,254,555	2,174	2,476	4,650	623,924	635,281	1,259,205	-	-	-	1,259,205	1,132,345	11.2%
IPOH	361	237	598	36,079	36,677	72,756	36,440	36,914	73,354	-	-	-	73,354	71,169	3.1%
KUALA TERENGGANU	270,647	276,505	547,152	1,907	1,772	3,679	272,554	278,277	550,831	-	-	-	550,831	502,966	9.5%
ALOR SETAR	215,613	218,031	433,644	-	-	-	215,613	218,031	433,644	-	-	-	433,644	407,717	6.4%
MELAKA	1,657	1,999	3,656	16,289	14,407	30,696	17,946	16,406	34,352	-	3	3	34,355	21,322	61.1%
SUBANG	560,243	559,468	1,119,711	164,010	158,793	322,803	724,253	718,261	1,442,514	-	-	-	1,442,514	1,320,227	9.3%
KUANTAN	125,616	122,603	248,219	15,866	15,989	31,855	141,482	138,592	280,074	-	-	-	280,074	248,840	12.5%
TIOMAN	21,182	21,644	42,826	8,506	8,809	17,315	29,688	30,453	60,141	-	-	-	60,141	62,010	-3.0%
PANGKOR	1,945	2,123	4,068	-	-	-	1,945	2,123	4,068	-	-	-	4,068	547,643.7%	-
REDANG	12,770	12,517	25,287	5,260	5,375	10,635	18,030	17,892	35,922	38	-	38	35,960	46,159	-22.1%
LABUAN	290,745	284,897	575,642	-	4	4	290,745	284,901	575,646	41,484	-	41,484	617,130	567,928	8.7%
LAHAD DATU	71,261	71,772	142,733	-	-	-	71,261	71,472	142,733	-	-	-	142,733	131,054	8.9%
SANDAKAN	404,705	408,775	813,480	-	569	950	405,274	409,725	814,999	19,627	-	19,627	834,626	788,515	5.8%
TAWAU	478,962	483,671	962,633	9,127	10,348	19,475	488,089	494,019	982,108	45	-	45	982,153	922,452	6.5%
BINTULU	320,471	316,657	637,128	30	-	30	320,501	316,657	637,158	24,395	-	24,395	661,553	590,293	12.1%
MIRI	963,773	970,507	1,934,280	35,167	36,250	71,417	998,940	1,006,757	2,005,697	12,718	-	12,718	2,018,415	1,856,626	8.7%
SIBU	591,786	591,633	1,183,419	-	-	-	591,786	591,633	1,183,419	20,848	-	20,848	1,204,267	1,133,093	6.3%
MULU	24,535	25,084	49,619	-	-	-	24,535	25,084	49,619	51	-	51	49,670	67,041	-25.9%
LIMBANG	28,276	29,576	57,852	-	-	-	28,276	29,576	57,852	-	-	-	57,852	56,211	2.9%
STOL SABAH	2,134	2,216	4,350	-	-	-	2,134	2,216	4,350	1,620	-	1,620	5,970	5,046	18.3%
STOL SARAWAK	72,692	80,898	153,590	-	-	-	72,692	80,898	153,590	9,170	-	9,170	162,760	173,289	-6.1%
SEMENANJUNG <i>Peninsular</i>	10,417,848	10,424,590	20,842,438	15,200,140	15,376,755	30,576,895	25,617,988	25,801,345	51,419,333	4,054	376,929	380,983	51,800,316	48,960,351	5.8%
SABAH	3,513,293	3,523,535	7,036,828	660,724	666,892	1,327,616	4,174,017	4,190,427	8,364,444	64,650	1,653	66,303	8,430,747	8,223,634	2.5%
SARAWAK	3,873,880	3,880,866	7,754,746	246,158	246,295	492,453	4,120,038	4,127,161	8,247,199	87,398	6,443	93,841	8,341,040	8,163,275	2.2%
JUMLAH <i>Total</i>	17,805,021	17,828,991	35,634,012	16,107,022	16,289,942	32,396,964	33,912,043	34,118,933	68,030,976	156,102	385,025	541,127	68,572,103	65,347,260	4.9%

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, 2003–2012

Table 4.6 : Total Cargo Handled by Airports (Excluding Cargo in Transit), Malaysia, 2003-2012

	METRIC TONNES									
LAPANGAN TERBANG Airports	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
KLIA	586,195	651,747	653,654	672,888	644,100	649,077	584,559	674,902	669,849	673,107
PULAU PINANG	197,567	212,369	221,971	225,952	208,582	192,936	131,804	138,576	121,804	123,246
KOTA KINABALU	25,638	27,191	25,473	28,356	35,638	34,532	20,754	21,145	27,806	23,563
KUCHING	26,278	26,073	28,407	29,716	23,818	19,166	20,616	26,835	24,574	15,811
LANGKAWI	287	325	449	487	524	589	572	434	646	754
JOHOR BHARU	3,697	0	7,518	4,366	5,444	5,068	5,158	6,242	5,439	3,149
KOTA BHARU	315	235	168	210	163	181	185	177	164	147
KUALA TERENGGANU	160	124	94	70	47	24	24	50	103	147
ALOR SETAR	17	67	118	111	55	41	34	34	46	123
MELAKA	214	602	370	146	219	179	127	144	139	195
SUBANG	14,358	18,670	46,082	71,953	63,382	18,473	18,536	19,988	19,928	22,680
KUANTAN	64	64	75	109	103	70	70	49	38	57
IPOH	498	735	437	357	10	0	0	0	0	34
TIOMAN	0	0	0	0	0	0	0	0	0	73
PANGKOR	0	0	0	0	0	0	0	0	0	5
REDANG	0	0	0	0	0	0	0	0	0	27
LABUAN	2,733	2,653	3,077	3,207	3,985	4,566	3,878	4,128	4,835	6,072
LAHAD DATU	400	390	334	170	0	0	0	0	42	185
SANDAKAN	3,713	4,053	4,531	5,475	6,224	3,055	2,099	2,806	2,295	2,479
TAWAU	2,701	2,968	3,885	3,030	2,134	1,262	1,951	3,045	3,198	2,489
BINTULU	940	1,375	2,110	2,205	2,252	1,978	1,903	1,703	2,071	2,574
MIRI	3,881	4,721	5,392	4,080	3,564	4,146	3,921	6,770	8,198	9,879
SIBU	1,701	1,567	1,377	1,040	892	735	856	1,133	1,147	1,612
MULU	4	102	459	240	191	262	333	396	370	322
LIMBANG	226	179	289	379	440	475	530	560	498	744
STOL SABAH	2	2	1	1	0	0	0	0	0	0
STOL SARAWAK	847	862	540	403	845	692	387	454	549	630
SEMENANJUNG Peninsular	803,372	884,937	930,937	976,649	922,630	866,638	741,068	840,597	818,155	823,745
SABAH	35,187	37,257	37,301	40,238	47,981	43,415	28,682	31,124	38,175	34,787
SARAWAK	33,876	34,878	38,575	38,062	32,001	27,454	28,546	37,850	37,407	31,572
JUMLAH Total	872,436	957,072	1,006,813	1,054,950	1,002,612	937,508	798,295	909,571	893,737	890,105

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

JADUAL 4.7 : JUMLAH KARGO YANG DIKENDALIKAN MENGIKUT LAPANGAN TERBANG, MALAYSIA, 2012
Table 4.7 : Total Cargo Handled by Airports, Malaysia, 2012

LAPANGAN TERBANG <i>Airports</i>	DALAM NEGERI <i>Domestic</i>			ANTARABANGSA <i>International</i>			JUMLAH <i>Total</i>			TRANSIT <i>Transit</i>			PERBANDINGAN TAHUN KE TAHUN <i>Year-on-Year Comparison</i>		
	DIHANTAR <i>Unloaded</i>	DIANGKUT <i>Loaded</i>	JUMLAH <i>Total</i>	DIHANTAR <i>Unloaded</i>	DIANGKUT <i>Loaded</i>	JUMLAH <i>Total</i>	DIHANTAR <i>Unloaded</i>	DIANGKUT <i>Loaded</i>	JUMLAH <i>Total</i>	DALAM NEGERI <i>Domestic</i>	ANTARA- BANGSA <i>International</i>	JUMLAH <i>Total</i>	2012	2011	% +/-
KLIA	21,546,015	46,288,350	67,834,365	306,124,686	299,148,350	605,273,036	327,670,701	345,436,700	673,107,401	-	-	-	673,107,401	669,849,025	0.5%
PULAU PINANG	15,597,376	7,834,717	23,432,093	36,878,407	53,294,619	90,173,026	52,475,782	61,129,336	113,605,119	3,519,496	6,121,265	9,640,761	123,245,880	131,845,600	-6.5%
KOTA KINABALU	12,991,263	7,889,559	20,880,822	689,298	1,812,370	2,501,668	13,680,561	9,701,929	23,382,490	62,237	118,568	180,805	23,563,295	28,534,048	-17.4%
KUCHING	9,939,108	5,049,936	14,989,043	512,158	223,088	735,246	10,451,266	5,273,024	15,724,289	81,180	5,385	86,565	15,810,854	24,786,619	-36.2%
LANGKAWI	624,421	30,835	655,256	40,618	-	40,618	665,039	30,835	695,874	57,750	-	57,750	753,624	645,777	16.7%
JOHOR BHARU	1,533,147	1,538,158	3,071,305	24,635	53,460	78,095	1,557,782	1,591,618	3,149,400	-	-	-	3,149,400	5,438,584	0.0%
KOTA BHARU	91,804	55,372	147,176	-	-	-	91,804	55,372	147,176	-	-	-	147,176	164,256	-10.4%
IPOH	-	-	-	16,830	17,020	33,850	16,830	17,020	33,850	-	-	-	33,850	-	-
KUALA TERENGGANU	69,928	76,603	146,531	-	-	-	69,928	76,603	146,531	-	-	-	146,531	103,365	41.8%
ALOR SETAR	11,952	111,378	123,330	-	-	-	11,952	111,378	123,330	-	-	-	123,330	46,391	165.8%
MELAKA	8,925	11,579	20,504	75,353	99,520	174,873	84,278	111,099	195,377	-	-	-	195,377	138,955	40.6%
SUBANG	3,841,801	8,035,480	11,877,281	4,799,282	6,003,880	10,803,162	8,641,084	14,039,360	22,680,444	-	-	-	22,680,444	19,927,599	13.8%
KUANTAN	36,000	16,614	52,614	1,720	2,280	4,000	37,720	18,894	56,614	-	-	-	56,614	37,627	50.5%
TIOMAN	72,374	-	72,374	600	-	600	72,974	-	72,974	-	-	-	72,974	-	-
PANGKOR	2,264	2,987	5,251	-	-	-	2,264	2,987	5,251	-	-	-	5,251	-	-
REDANG	26,540	591	27,131	180	100	280	26,720	691	27,411	-	-	-	27,411	-	-
LABUAN	1,882,235	1,357,851	3,240,086	2,564,206	8,098	2,572,304	4,446,441	1,365,949	5,812,390	259,232	-	259,232	6,071,622	5,294,125	14.7%
LAHAD DATU	173,178	11,417	184,595	-	-	-	173,178	11,417	184,595	-	-	-	184,595	41,829	341.3%
SANDAKAN	671,946	1,797,616	2,469,562	-	-	-	671,946	1,797,616	2,469,562	9,413	-	9,413	2,478,975	2,300,108	7.8%
TAWAU	796,355	1,689,373	2,485,728	-	3,261	3,261	796,355	1,692,634	2,488,989	-	-	-	2,488,989	3,198,421	-22.2%
BINTULU	1,618,099	952,984	2,571,083	-	-	-	1,618,099	952,984	2,571,083	2,963	-	2,963	2,574,046	2,071,369	24.3%
MIRI	7,086,932	2,725,727	9,812,658	62,051	4,381	66,432	7,148,983	2,730,108	9,879,090	-	-	-	9,879,090	8,198,437	20.5%
SIBU	1,354,721	241,735	1,596,456	-	-	-	1,354,721	241,735	1,596,456	15,219	-	15,219	1,611,675	1,152,885	39.8%
MULU	317,293	4,406	321,699	-	-	-	317,293	4,406	321,699	-	-	-	321,699	370,159	-13.1%
LIMBANG	379,111	365,030	744,141	-	-	-	379,111	365,030	744,141	-	-	-	744,141	497,583	49.6%
STOL SABAH	-	3	3	-	-	-	-	3	3	-	-	-	3	13	-76.9%
STOL SARAWAK	298,572	212,358	510,930	-	-	-	298,572	212,358	510,930	119,536	-	119,536	630,466	622,370	1.3%
SEMENANJUNG <i>Peninsular</i>	43,462,547	64,002,664	107,465,211	347,962,311	358,619,229	706,581,540	391,424,858	422,621,893	814,046,751	6,121,265	9,698,511	15,819,776	826,034,446	828,197,179	-0.3%
SABAH	16,514,977	12,745,819	29,260,796	3,253,504	1,823,729	5,077,233	19,768,481	14,569,548	34,338,029	330,882	118,568	449,450	34,787,479	39,368,544	-11.6%
SARAWAK	20,993,835	9,552,175	30,546,010	574,209	227,469	801,678	21,568,044	9,779,644	31,347,689	218,898	5,385	224,283	31,571,972	37,699,422	-16.3%
JUMLAH Total	80,971,359	86,300,659	167,272,018	351,790,024	360,670,427	712,460,451	432,761,383	446,971,086	879,732,469	4,127,026	6,245,218	10,372,244	890,104,713	905,265,145	-1.4%

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



JADUAL 4.8 : JUMLAH MEL YANG DIKENDALIKAN MENGIKUT LAPANGAN TERBANG (TIDAK TERMASUK MEL TRANSIT), MALAYSIA, 2003–2012

Table 4.8 : Total Mail Handled by Airports (Excluding Mel in Transit), Malaysia, 2003-2012

METRIC TONNES

LAPANGAN TERBANG Airports	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
KLIA	3,787	3,621	2,999	4,558	8,794	18,418	17,061	19,394	25,463	29,119
PULAU PINANG	992	1,563	9	2	1	-	7	4	12	2
KOTA KINABALU	5,737	5,940	5,032	3,787	4,044	3,149	1,612	1,486	1,681	2,246
KUCHING	5,131	5,344	5,086	3,467	3,137	999	794	642	479	497
LANGKAWI	42	44	46	58	58	83	73	90	131	227
KOTA BHARU	305	384	226	171	175	236	322	322	330	214
IPOH	-	-	-	-	-	-	-	-	-	-
KUALA TERENGGANU	164	174	132	10	4	8	5	12	16	48
ALOR SETAR	-	-	-	-	-	2	55	47	58	185
MELAKA	-	-	-	-	-	-	-	-	-	-
SUBANG	7,860	8,003	7,006	1,656	-	-	-	-	-	-
KUANTAN	9	12	2	-	-	-	5	2	1	-
TIOMAN	-	-	-	-	-	-	-	-	-	1
PANGKOR	-	-	-	-	-	-	-	-	-	-
LABUAN	307	276	257	291	334	399	360	378	412	496
LAHAD DATU	155	165	154	212	157	193	212	207	213	275
SANDAKAN	216	202	52	90	9	233	254	476	459	440
TAWAU	453	431	264	102	27	281	242	439	457	497
BINTULU	122	151	134	240	83	339	382	264	218	41
MIRI	1,283	1,255	1,633	1,439	1,806	1,665	2,171	1,564	1,608	1,903
SIBU	598	909	1,089	698	59	-	849	287	371	237
MULU	-	-	-	-	-	-	-	-	-	-
LIMBANG	-	0,011	0,047	0,06	-	-	-	28	25	38
STOL SABAH	-	-	-	-	-	-	-	-	-	-
STOL SARAWAK	-	32	90	106	6	94	53	13	15	7
SEMENANJUNG Peninsular	13,160	13,801	10,421	6,455	9,033	18,747	17,528	19,870	26,011	29,795
SABAH	6,868	7,013	5,759	4,481	4,572	4,254	2,680	2,987	3,222	3,954
SARAWAK	7,133	7,691	8,032	5,950	5,090	3,097	4,249	2,798	2,716	2,722
JUMLAH Total	27,161	28,505	24,212	16,886	18,695	26,098	24,457	25,655	31,949	36,472

SUMBER / Source: MALAYSIA AIRPORTS HOLDINGS BERHAD

JADUAL 4.9 : JUMLAH MEL YANG DIKENDALIKAN MENGIKUT LAPANGAN TERBANG, MALAYSIA, 2012
Table 4.9 : Total Mail Handled by Airports, Malaysia, 2012

KILOGRAM

LAPANGAN TERBANG <i>Airports</i>	DALAM NEGERI <i>Domestic</i>			ANTARABANGSA <i>International</i>			JUMLAH <i>Total</i>			TRANSIT <i>Transit</i>			PERBANDINGAN TAHUN KE TAHUN <i>Year-on-Year Comparison</i>		
	DIHANTAR <i>Unloaded</i>	DIANGKUT <i>Loaded</i>	JUMLAH <i>Total</i>	DIHANTAR <i>Unloaded</i>	DIANGKUT <i>Loaded</i>	JUMLAH <i>Total</i>	DIHANTAR <i>Unloaded</i>	DIANGKUT <i>Loaded</i>	JUMLAH <i>Total</i>	DALAM NEGERI <i>Domestic</i>	ANTARA-BANGSA <i>International</i>	JUMLAH <i>Total</i>	2012	2011	% +/-
KLIA	548,902	1,032,900	1,581,802	12,762,128	14,775,237	27,537,365	13,311,030	15,808,137	29,119,167	-	-	-	29,119,167	25,462,928	14.4%
PULAU PINANG	29	370	399	472	628	1,100	501	998	1,499	90	-	90	1,589	11,968	-86.7%
KOTA KINABALU	670,987	1,184,905	1,855,892	301,027	89,157	390,184	972,014	1,274,062	2,246,076	-	-	-	2,246,076	1,810,421	24.1%
KUCHING	74,760	421,413	496,173	4	-	4	74,764	421,413	496,177	857	-	857	497,034	478,531	3.9%
LANGKAWI	154,571	67,465	222,036	-	-	-	154,571	67,465	222,036	5,140	-	5,140	227,176	131,104	73.3%
KOTA BHARU	126,715	86,916	213,631	-	-	-	126,715	86,916	213,631	-	-	-	213,631	329,819	-35.2%
IPOH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KUALA TERENGGANU	38,922	9,342	48,264	-	-	-	38,922	9,342	48,264	-	-	-	48,264	15,882	203.9%
ALOR SETAR	3,940	180,840	184,780	-	-	-	3,940	180,840	184,780	-	-	-	184,780	58,432	216.2%
MELAKA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SUBANG	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KUANTAN	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-100.0%
TIOMAN	305	-	305	555	-	555	860	-	860	-	-	-	860	-	-
PANGKOR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LABUAN	390,816	84,849	475,665	-	-	-	390,816	84,849	475,665	20,481	-	20,481	496,146	414,432	19.7%
LAHAD DATU	238,961	35,865	274,826	-	-	-	238,961	35,865	274,826	-	-	-	274,826	212,538	29.3%
SANDAKAN	367,272	50,323	417,595	-	-	-	367,272	50,323	417,595	22,754	-	22,754	440,349	465,262	-5.4%
TAWAU	406,717	89,959	496,676	-	-	-	406,717	89,959	496,676	-	-	-	496,676	457,230	8.6%
BINTULU	24,653	16,289	40,942	-	-	-	24,653	16,289	40,942	15	-	15	40,957	218,272	-81.2%
MIRI	1,415,877	486,873	1,902,750	-	-	-	1,415,877	486,873	1,902,750	34	-	34	1,902,784	1,608,069	18.3%
SIBU	185,828	40,649	226,477	-	-	-	185,828	40,649	226,477	10,364	-	10,364	236,841	370,771	-36.1%
MULU	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LIMBANG	9,614	28,503	38,117	-	-	-	9,614	28,503	38,117	-	-	-	38,117	-	-
STOL SABAH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STOL SARAWAK	5,005	1,731	6,736	-	-	-	5,005	1,731	6,736	-	-	-	6,736	14,613	-53.9%
SEMENANJUNG <i>Peninsular</i>	873,384	1,377,833	2,251,217	12,763,155	14,775,865	27,539,020	13,636,539	16,153,698	29,790,237	5,230	-	5,230	29,795,467	26,010,134	14.6%
SABAH	2,074,753	1,445,901	3,520,654	301,027	89,157	390,184	2,375,780	1,535,058	3,910,838	43,235	-	43,235	3,954,073	3,359,883	17.7%
SARAWAK	1,715,737	995,458	2,711,195	4	-	4	1,715,741	995,458	2,711,199	11,270	-	11,270	2,722,469	2,690,256	1.2%
JUMLAH <i>Total</i>	4,663,874	3,819,192	8,483,066	13,064,186	14,865,022	27,929,208	17,728,060	18,684,214	36,412,274	59,735	-	59,735	36,472,009	32,060,273	13.8%

SUMBER / Source : MALAYSIA AIRPORTS HOLDINGS BERHAD



JADUAL 4.10 : JUMLAH PERGERAKAN PESAWAT PERDAGANGAN YANG DIKENDALIKAN MENGIKUT LAPANGAN TERBANG, MALAYSIA, 2003–2012

Table 4.10 : Total Commercial Aircraft Movements Handled by Airports, Malaysia, 2003-2012

LAPANGAN TERBANG <i>Airports</i>	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
KLIA	139,101	164,483	181,341	182,548	192,304	209,681	225,251	244,179	268,265	282,290
PULAU PINANG	26,516	29,182	31,173	31,448	34,508	38,335	38,343	44,753	50,610	49,966
KOTA KINABALU	42,491	50,313	49,680	50,594	49,881	52,463	52,677	55,089	59,638	58,366
KUCHING	38,676	41,353	39,430	37,167	34,192	36,087	41,437	42,940	49,613	43,981
LANGKAWI	7,168	7,352	8,021	8,287	10,828	12,242	12,638	13,274	14,510	15,162
JOHOR BHARU	8,848	-	-	-	-	-	13,552	11,934	12,626	12,501
KOTA BHARU	7,520	8,888	8,765	10,368	13,074	14,083	13,709	13,180	15,304	17,112
IPOH	1,572	1,402	1,145	954	12	183	384	844	1,536	1,515
KUALA TERENGGANU	4,221	4,776	4,623	3,792	4,533	6,038	6,006	5,959	6,006	6,506
ALOR SETAR	3,646	3,568	3,267	2,820	2,668	2,934	4,578	4,513	4,841	5,274
MELAKA	1,102	2,135	1,328	596	714	700	616	584	466	1,053
SUBANG	5,140	6,981	8,988	9,158	7,234	11,448	19,897	24,509	30,779	33,224
KUANTAN	3,743	3,748	3,500	2,748	3,253	3,334	2,947	2,628	3,178	3,395
TIOMAN	2,173	1,885	1,668	1,836	1,597	1,603	1,591	1,662	1,766	1,682
PANGKOR	511	534	530	514	517	503	502	174	32	324
REDANG	-	741	1,110	934	1,053	1,083	862	1,356	1,319	877
LABUAN	9,661	10,450	9,292	9,332	10,127	11,212	10,868	11,988	12,645	13,448
LAHAD DATU	2,882	2,948	3,010	3,203	2,195	2,922	2,922	2,860	2,941	3,058
SANDAKAN	9,985	10,184	10,876	10,034	7,719	8,991	10,214	12,095	10,757	12,177
TAWAU	7,450	8,019	8,531	8,005	6,863	7,334	8,885	9,723	9,328	9,689
BINTULU	13,288	13,240	13,146	11,388	6,542	8,933	10,948	10,994	11,270	11,444
MIRI	40,468	42,306	40,302	39,462	33,022	35,178	38,836	39,509	40,931	42,351
SIBU	16,593	17,162	16,683	15,092	11,765	14,307	16,275	17,899	18,211	15,923
MULU	3,422	3,066	2,620	2,220	1,638	1,642	1,570	1,726	1,912	1,760
LIMBANG	4,994	5,625	5,490	4,242	2,300	1,860	1,697	1,947	1,896	1,880
STOL SABAH	936	812	814	800	338	459	-	167	264	192
STOL SARAWAK	13,816	13,816	14,322	14,718	12,457	12,716	12,140	13,538	14,118	13,534
SEMENANJUNG <i>Peninsular</i>	211,261	235,675	255,459	256,003	272,295	302,167	340,876	369,549	411,238	430,881
SABAH	73,405	82,726	82,203	81,968	77,123	83,381	85,566	91,922	95,573	96,930
SARAWAK	131,257	136,568	131,993	124,289	101,916	110,723	122,903	128,553	137,951	130,873
JUMLAH <i>Total</i>	415,923	454,969	469,655	462,260	451,334	496,271	549,345	590,024	644,762	658,684

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, 2012

Table 4.11 : Total Commercial Aircraft Movements Handled by Airports, Malaysia, 2012

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	2012	2011	% +/-
KLIA	96,509	645	97,154	183,507	1,629	185,136	280,016	2,274	282,290	282,290	268,265	5.2%
PULAU PINANG	26,427	-	26,427	23,539	-	23,539	49,966	-	49,966	49,966	50,610	-1.3%
KOTA KINABALU	45,202	1,118	46,320	11,936	110	12,046	57,138	1,228	58,366	58,366	59,638	-2.1%
KUCHING	34,987	3,338	38,325	5,411	245	5,656	40,398	3,583	43,981	43,981	49,613	-11.4%
LANGKAWI	14,067	-	14,067	1,076	19	1,095	15,143	19	15,162	15,162	14,510	4.5%
JOHOR BHARU	12,422	78	12,500	102	37	139	12,524	115	12,639	12,639	12,626	0.1%
KOTA BHARU	14,395	2,552	16,947	165	-	165	14,560	2,552	17,112	17,112	15,304	11.8%
IPOH	25	3	28	1,487	-	1,487	1,512	3	1,515	1,515	1,536	-1.4%
KUALA TERENGGANU	6,491	-	6,491	-	15	15	6,491	15	6,506	6,506	6,006	8.3%
ALOR SETAR	5,274	-	5,274	-	-	-	5,274	-	5,274	5,274	4,841	8.9%
MELAKA	198	-	198	855	-	855	1,053	-	1,053	1,053	466	126.0%
SUBANG	25,164	-	25,164	8,060	-	8,060	33,224	-	33,224	33,224	30,779	7.9%
KUANTAN	2,800	-	2,800	539	56	595	3,339	56	3,395	3,395	3,178	6.8%
TIOMAN	1,150	-	1,150	532	-	532	1,682	-	1,682	1,682	1,766	-4.8%
PANGKOR	324	-	324	-	-	-	324	-	324	324	32	912.5%
REDANG	565	-	565	312	-	312	877	-	877	1,319	-33.5%	
LABUAN	9,445	3,791	13,236	211	1	212	9,656	3,792	13,448	13,448	12,645	6.4%
LAHAD DATU	3,022	36	3,058	-	-	-	3,022	36	3,058	3,058	2,941	4.0%
SANDAKAN	10,338	1,801	12,139	-	38	38	10,338	1,839	12,177	12,177	10,757	13.2%
TAWAU	9,179	27	9,206	479	4	483	9,658	31	9,689	9,689	9,328	3.9%
BINTULU	10,302	1,076	11,378	-	66	66	10,302	1,142	11,444	11,444	11,270	1.5%
MIRI	30,998	10,212	41,210	1,141	-	1,141	32,139	10,212	42,351	42,351	40,931	3.5%
SIBU	15,923	-	15,923	-	-	-	15,923	-	15,923	15,923	18,211	-12.6%
MULU	1,760	-	1,760	-	-	-	1,760	-	1,760	1,912	-7.9%	
LIMBANG	1,880	-	1,880	-	-	-	1,880	-	1,880	1,896	-0.8%	
STOL SABAH	192	-	192	-	-	-	192	-	192	192	264	-27.3%
STOL SARAWAK	13,534	-	13,534	-	-	-	13,534	-	13,534	13,534	14,118	-4.1%
SEMENANJUNG Peninsular	205,811	3,278	209,089	220,174	1,756	221,930	425,985	5,034	431,019	431,019	411,238	4.8%
SABAH	77,378	6,773	84,151	12,626	153	12,779	90,004	6,926	96,930	96,930	95,573	1.4%
SARAWAK	109,384	14,626	124,010	6,552	311	6,863	115,936	14,937	130,873	130,873	137,951	-5.1%
JUMLAH Total	392,573	24,677	417,250	239,352	2,220	241,572	631,925	26,897	658,822	658,822	644,762	2.2%

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), 2012

Table 4.12 : Traffic Movements Between Malaysian Airports (Including Singapore), 2012

SEKTOR <i>Sector</i>		PENUMPANG <i>Passenger</i>			KARGO (KG) <i>Cargo (KG)</i>			MEL (KG) <i>Mail (KG)</i>		
A	B	(A-B)	(B-A)	JUMLAH <i>Total</i>	(A-B)	(B-A)	JUMLAH <i>Total</i>	(A-B)	(B-A)	JUMLAH <i>Total</i>
KUALA LUMPUR	- ALOR SETAR	164,376	168,417	332,793	11,933	111,348	123,281	3,787	181,377	185,164
KUALA LUMPUR	- IPOH	-	-	-	-	-	-	-	-	-
KUALA LUMPUR	- JOHOR BHARU	203,146	222,631	425,777	656,919	665,580	1,322,499	-	-	-
KUALA LUMPUR	- KOTA BHARU	491,477	498,333	989,810	104,328	57,822	162,150	30,546	-	30,546
KUALA LUMPUR	- KOTA KINABALU	1,136,000	1,143,962	2,279,962	9,300,114	4,507,058	13,807,172	182,863	249,589	432,452
KUALA LUMPUR	- TEREKGGANU	216,133	220,359	436,492	14,307	45,999	60,306	38,251	-	38,251
KUALA LUMPUR	- KUANTAN	115,814	112,321	228,135	36,035	16,854	52,889	-	-	-
KUALA LUMPUR	- KUCHING	963,758	953,598	1,917,356	9,340,013	3,358,365	12,698,378	19,731	330	20,061
KUALA LUMPUR	- LABUAN	138,451	136,431	274,882	889,586	235,356	1,124,942	363,888	48,588	412,476
KUALA LUMPUR	- LANGKAWI	618,972	627,603	1,246,575	612,359	29,754	642,113	155,765	67,630	223,395
KUALA LUMPUR	- MIRI	344,515	345,206	689,721	2,695,906	510,656	3,206,562	63,574	-	63,574
KUALA LUMPUR	- PULAU PINANG	722,793	745,683	1,468,476	3,374,731	2,449,023	5,823,754	29	370	399
KUALA LUMPUR	- SINGAPURA	1,537,141	1,581,595	3,118,736	10,191,583	11,637,796	21,829,379	80,760	766,527	847,287
KUALA LUMPUR	- SIBU	246,075	247,624	493,699	665,228	129,249	794,477	53,549	1,018	54,567
KUALA LUMPUR	- TAWAU	215,464	220,145	435,609	458,878	581,892	1,040,770	45,314	-	45,314
PULAU PINANG	- LANGKAWI	73,893	75,342	149,235	7,222	-	7,222	2	-	2
PULAU PINANG	- SINGAPURA	434,363	431,374	865,737	1,260,319	776,977	2,037,296	-	17	17
KOTA KINABALU	- JOHOR BHARU	133,035	131,165	264,200	-	-	-	-	-	-
KOTA KINABALU	- TAWAU	246,656	245,223	491,879	332,067	1,097,571	1,429,638	361,282	85,355	446,637
KOTA KINABALU	- LABUAN	68,792	65,986	134,778	353,354	63,353	416,707	27,652	34,103	61,755
KOTA KINABALU	- LAHAD DATU	71,452	70,640	142,092	174,061	11,502	185,563	239,448	35,273	274,721
KOTA KINABALU	- MIRI	109,718	112,030	221,748	295,157	66,370	361,527	318	442	760
KOTA KINABALU	- SIBU	42,690	35,227	77,917	93,334	4,769	98,103	61	136	197
KOTA KINABALU	- KUCHING	170,063	169,546	339,609	655,142	78,575	733,717	90	283,804	283,894
KOTA KINABALU	- SINGAPURA	98,335	93,334	191,669	90,693	31,265	121,958	-	54,058	54,058
KUCHING	- JOHOR BHARU	113,237	112,486	225,723	-	-	-	-	-	-
KUCHING	- PULAU PINANG	57,360	56,683	114,043	-	-	-	-	-	-
KUCHING	- SINGAPURA	183,910	178,125	362,035	224,092	448,673	672,765	-	-	-
BINTULU	- MIRI	24,984	16,745	41,729	2,192	2,315	4,507	15	193	208
MIRI	- LABUAN	66,675	63,542	130,217	49,709	35,967	85,676	1	946	947
MIRI	- SIBU	49,469	51,570	101,039	3,162	7,910	11,072	69	8	77
SANDAKAN	- TAWAU	27,699	17,171	44,870	13,962	4,102	18,064	9	4,023	4,032
LANGKAWI	- SINGAPURA	61,773	60,704	122,477	-	40,618	40,618	-	-	-
MIRI	- JOHOR BHARU	22,732	22,939	45,671	-	-	-	-	-	-

SUMBER / Source : MALAYSIA AIRPORTS HOLDINGS BERHAD

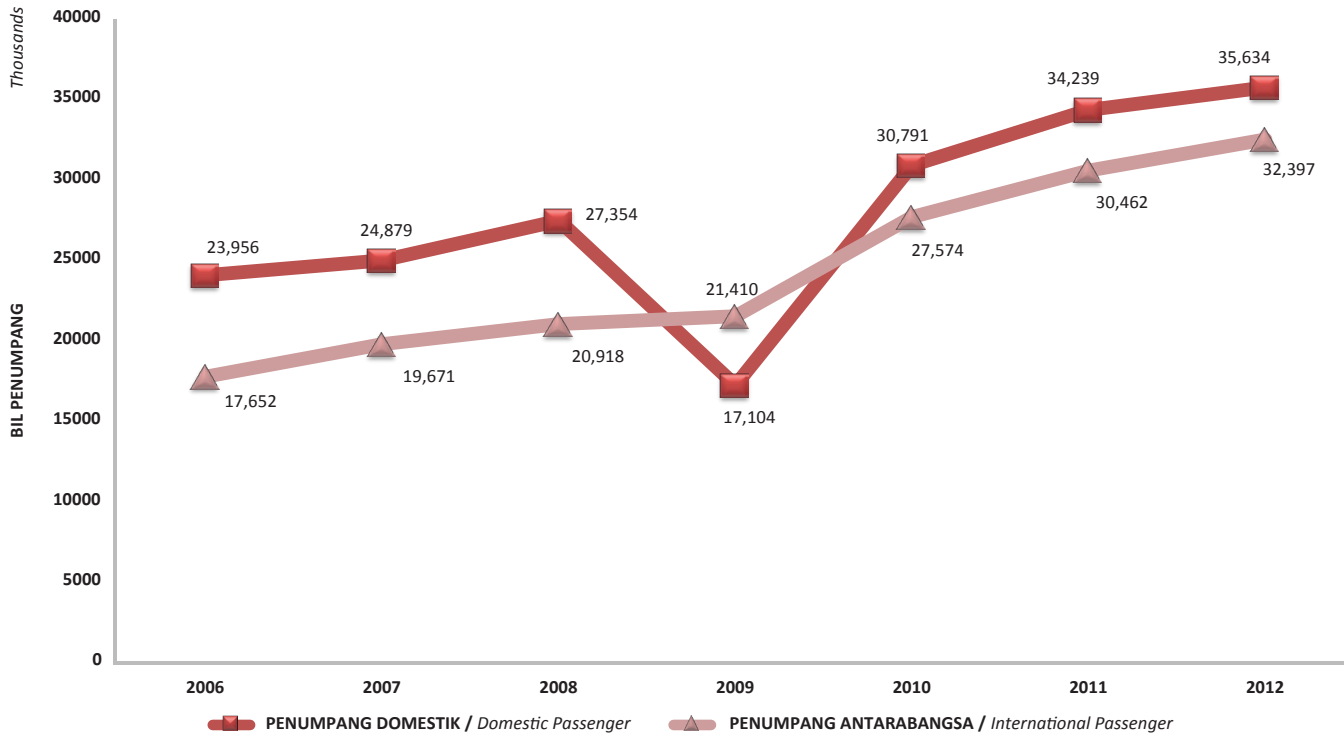
JADUAL 4.13 : PERGERAKAN TRAFIK UNTUK PERKHIDMATAN UDARA LUAR BANDAR, SABAH DAN SARAWAK, 2012
Table 4.13 : Traffic Movements for Rural Air Services, Sabah and Sarawak, 2012

SEKTOR <i>Sector</i>	PENUMPANG <i>Passenger</i>			KARGO (KG) <i>Cargo (KG)</i>			MEL (KG) <i>Mail (KG)</i>		
	A	B	JUMLAH <i>Total</i>	(A-B)	(B-A)	JUMLAH <i>Total</i>	(A-B)	(B-A)	JUMLAH <i>Total</i>
SABAH									
BARIO - MARUDI			-			-			-
BELAGA - BINTULU			-			-			-
BINTULU - MUKAH			-			-			-
KOTA KINABALU - KUDAT	125	75	200			-			-
KOTA KINABALU - SANDAKAN	207,435	207,445	414,880	285,354	1,150,948	1,436,302	308,591	50,001	358,592
KOTA KINABALU - BINTULU	22,458	30,380	52,838	31,378	9,890	41,268	-	-	-
KUDAT - SANDAKAN	240	402	642	-	2	2	-	-	-
LAWAS - KOTA KINABALU	548	205	753	-	-	-	-	-	-
LIMBANG - KOTA KINABALU	-	14	14	-	1,392	1,392	-	-	-
MIRI - BARIO	7,354	7,602	14,956	5,122	-	5,122	5	-	5
SANDAKAN - TOMANGGONG	-	-	-	-	-	-	-	-	-
SANDAKAN - TAWAU	27,699	17,171	44,870	13,962	4,102	18,064	9	4,023	4,032
JUMLAH / Total	265,859	263,294	529,153	335,816	1,166,334	1,502,150	308,605	54,024	362,629
SARAWAK									
KUCHING - BINTULU	110,061	111,379	221,440	168,700	75,933	244,633	9,378	15,445	24,823
KUCHING - LABUAN	-	-	-	9,205	14,322	23,527	-	-	-
KUCHING - MIRI	238,038	233,127	471,165	464,350	98,625	562,975	1,297	10	1,307
KUCHING - SIBU	216,898	215,094	431,992	603,275	82,696	685,971	135,148	39,487	174,635
KUCHING - MUKAH	12,541	14,512	27,053	2,765	19	2,784	-	-	-
LAWAS - MIRI	20,997	19,965	40,962	-	39,068	39,068	-	-	-
LIMBANG - MIRI	29,638	28,838	58,476	344,025	377,859	721,884	28,502	9,615	38,117
LIMBANG - LAWAS	-	-	-	-	-	-	-	-	-
MARUDI - MIRI	12,605	11,860	24,465	-	1,659	1,659	-	1,954	1,954
MIRI - MULU	18,213	17,957	36,170	208,538	-	208,538	-	-	-
MIRI - SIBU	49,469	51,570	101,039	3,162	7,910	11,072	69	8	77
MUKAH - MIRI	4,100	3,721	7,821	-	130	130	-	-	-
MUKAH - SIBU	-	-	-	-	-	-	-	-	-
SIBU - BINTULU	10,687	13,881	24,568	754	536	1,290	-	73	73
JUMLAH / Total	723,247	721,904	1,445,151	1,804,774	698,757	2,503,531	174,394	66,592	240,986



Carta 4.1 : JUMLAH PENUMPANG DOMESTIK DAN ANTARABANGSA YANG DIKENDALIKAN DI LAPANGAN TERBANG, MALAYSIA, 2006-2012

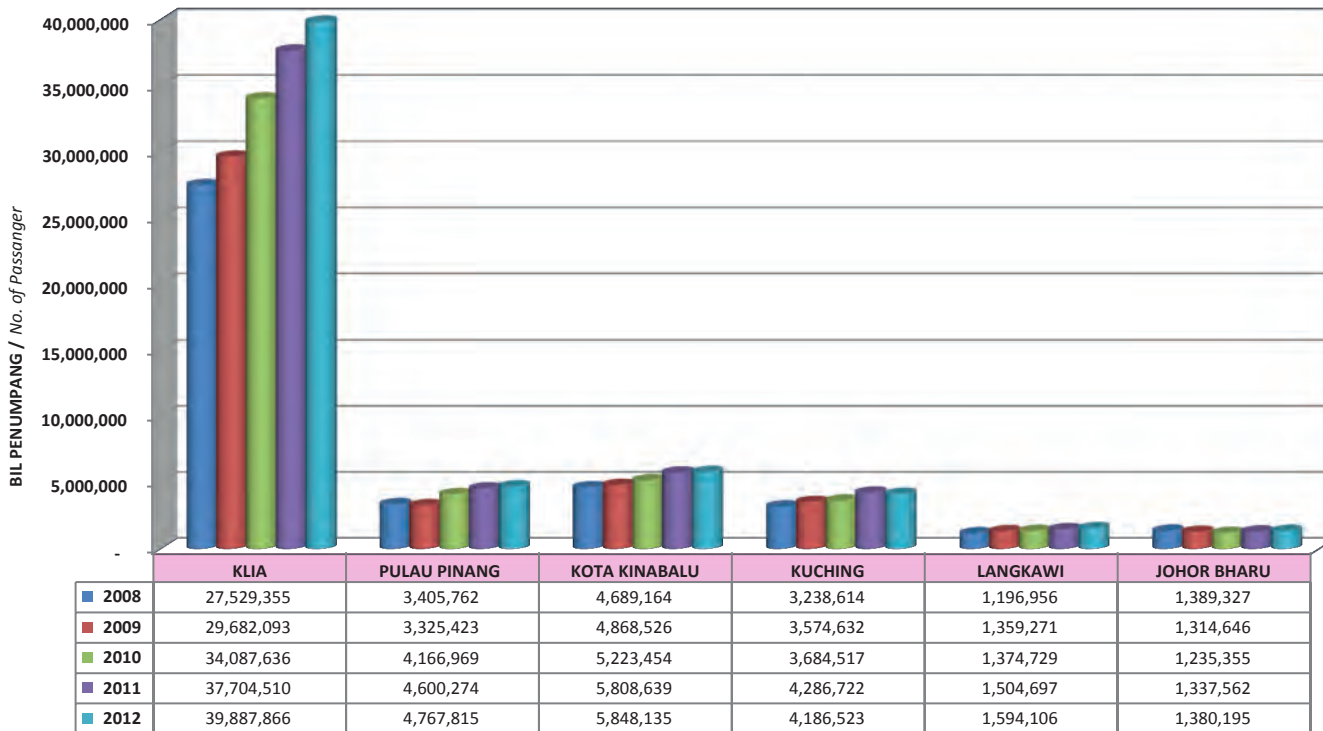
Chart 4.1 : Total Number of Domestic and International Passengers Handled by Airport, Malaysia, 2006-2012





CARTA 4.2 : JUMLAH PENUMPANG YANG DIKENDALIKAN OLEH LAPANGAN TERBANG ANTARABANGSA, MALAYSIA, 2008-2012

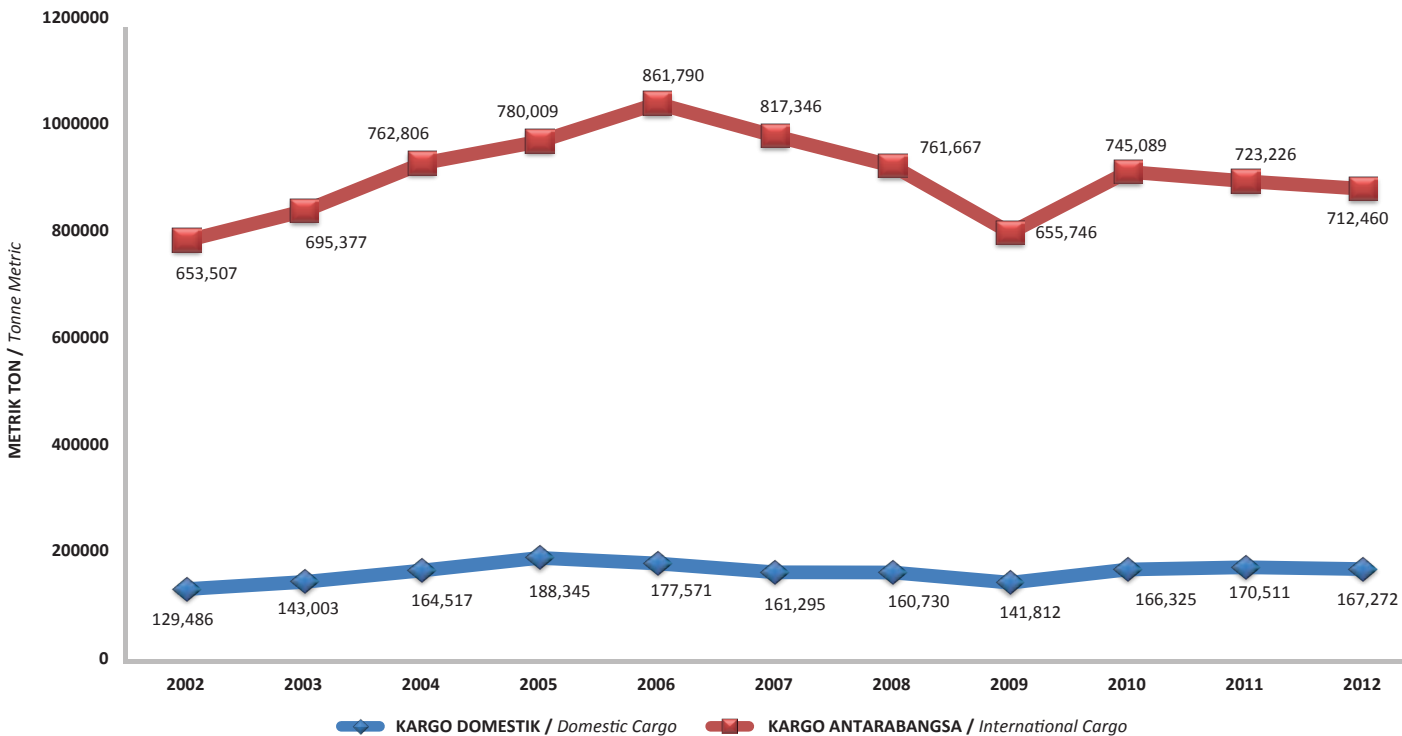
Chart 4.2 : Total Passengers Handled by International Airports, Malaysia, 2008-2012





Carta 4.3 : JUMLAH KARGO DOMESTIK DAN ANTARABANGSA YANG DIKENDALIKAN DI LAPANGAN TERBANG, MALAYSIA, 2002-2012

Chart 4.3 : Total Domestic and International Cargo Handled by Airport, Malaysia, 2002-2012





CARTA 4.4 : JUMLAH KARGO YANG DIKENDALIKAN OLEH LAPANGAN TERBANG ANTARABANGSA, MALAYSIA, 2008-2012

Chart 4.4 : Total Cargo Handled by International Airports , Malaysia, 2008-2012

