



STATISTIK PENGANGKUTAN TRANSPORT STATISTICS MALAYSIA 2010

KEMENTERIAN PENGANGKUTAN MALAYSIA
MINISTRY OF TRANSPORT MALAYSIA

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PRAKATA STATISTIK PENGANGKUTAN 2010

PREFACE TRANSPORT STATISTICS 2010



Y. BHG DATO' LONG SEE WOOL,
KETUA SETIAUSAHA
SECRETARY GENERAL

Penerbitan buku Statistik Pengangkutan Malaysia 2010 memaparkan data terpilih untuk sektor pengangkutan darat, rel, maritim dan udara di Malaysia. Buku laporan statistik pengangkutan ini bertujuan membekalkan para pengguna satu bahan rujukan yang mudah untuk membuat penyelidikan dan penganalisan mengenai rangkaian sistem pengangkutan yang terdapat di negara ini. Beberapa penunjuk utama terpilih dengan carta juga disediakan bagi membantu pengguna memahami perkembangan dan arah aliran sektor pengangkutan di Malaysia.

Sektor pengangkutan terus memainkan peranan yang penting sebagai salah satu penggerak utama kepada agenda pembangunan ekonomi negara. Justeru itu, kerajaan akan terus memberi perhatian dan penekanan ke atas perkembangan sektor pengangkutan agar ia dapat merealisasikan hasrat kerajaan yang ingin menyediakan rangkaian sistem pengangkutan yang komprehensif.

Diharapkan penerbitan buku laporan ini dapat dijadikan satu bahan rujukan yang bernilai kepada para pengguna yang terlibat secara langsung atau tidak langsung dalam sektor pengangkutan.

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

This publication of the Malaysia Transport Statistics 2010 presents selected statistical information on the land, rail, maritime and aviation transport sectors in Malaysia. These statistics aim to provide users with an easy reference for research and analysis of the transport system network in the country. Selected key indicators with charts have also been incorporated to assist users in understanding the development and trends of the transport sector in Malaysia.

The transport sector continues to play an important role as a catalyst in the economic development of the nation. The government 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.

It is hoped that this publication will serve as a valuable reference to all users directly or indirectly in the transport sector.

I would like to take this opportunity to express my deepest appreciation 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 publications are most welcome.

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- *Ministry of Tourism*
- Polis Diraja Malaysia
- *Royal Malaysian Police*
- Jabatan Pengangkutan Jalan
- *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*
- Lembaga Perlesenan Kenderaaan Perdagangan
- *Commercial Vehicles Licensing Board*
- 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>	LLZ	-	<i>Localizer</i>
FWT	-	<i>Freightweight Tonnes</i>	GP	-	<i>Glide Path</i>
GRT	-	<i>Gross Registered Tonnage</i>	L	-	<i>Locator</i>
NRT	-	<i>Net Registered Tonnage</i>	MM	-	<i>Middle Marker</i>
DWT	-	<i>Dead Weight Tonnes</i>	NDB	-	<i>Non-Directional Radio Beacon</i>
TEU	-	<i>Twenty-Foot Equivalent Unit</i>	PAPI	-	<i>Precision Approach Path Indicator</i>
APP	-	<i>Approach</i>	RWY	-	<i>Runway</i>
CAT	-	<i>Category</i>	TACAN	-	<i>UHF Tactical Air Navigation Aid</i>
DME	-	<i>Distance Measuring Equipment</i>	VOR	-	<i>Very High Frequency Omnidirectional Radio</i>
DVOR	-	<i>Doppler VHF Omnidirectional Radio Range</i>	VORTAC	-	<i>Combination of Vor and Tacan</i>
HJ	-	<i>Sunrise to Sunset</i>	n.a	-	Tidak Diperolehi / <i>Not Available</i>
ILS	-	<i>Instrument Landing System</i>			

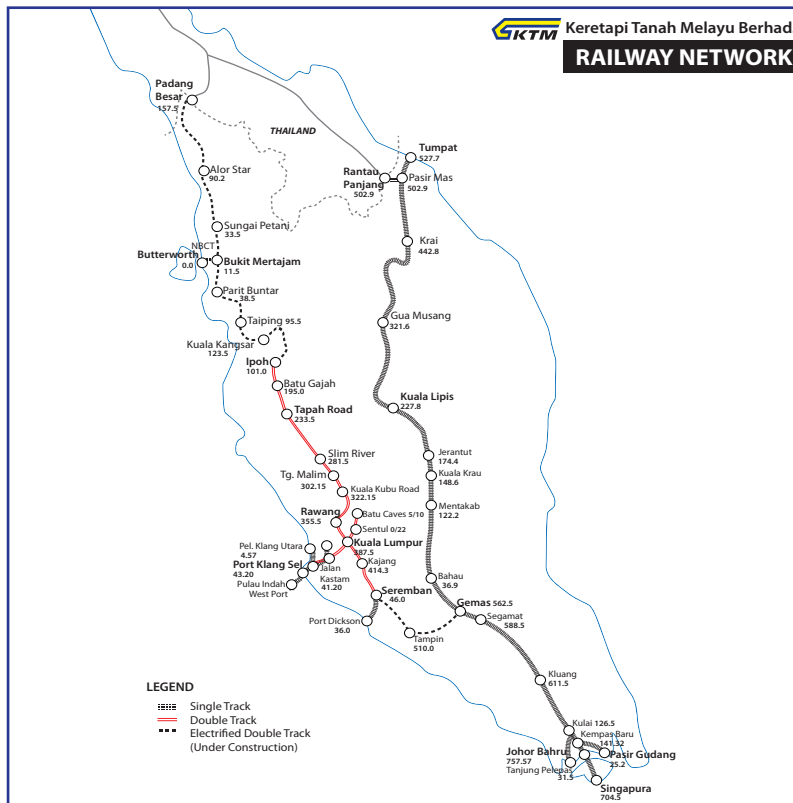


Maps

PETA



SEMENANJUNG MALAYSIA - RANGKAIAN PENGANGKUTAN REL
Peninsular Malaysia - Rail Transport Malaysia





SABAH - RANGKAIAN PENGANGKUTAN REL
Sabah - Rail Transport Malaysia





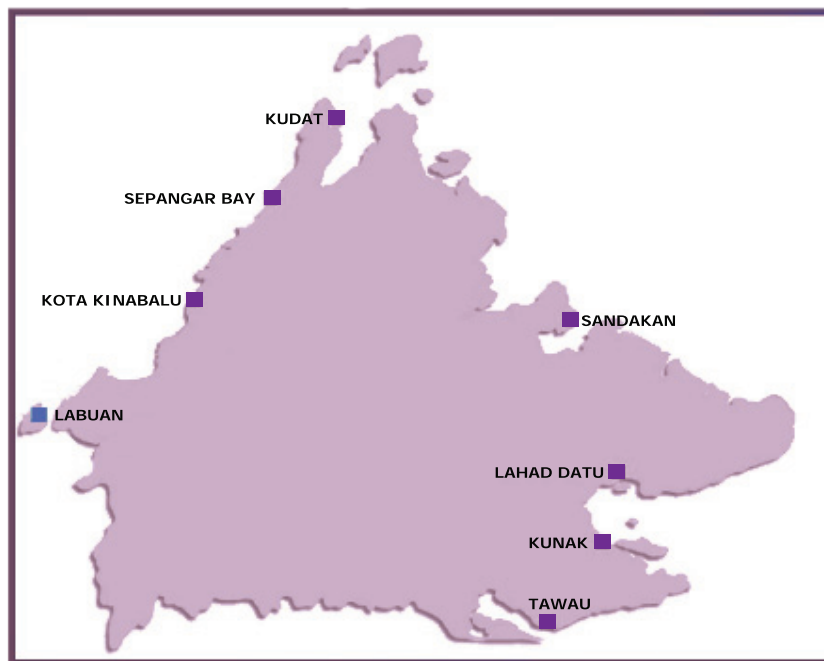
SEMENANJUNG MALAYSIA - LOKASI PELABUHAN-PELABUHAN PERSEKUTUAN
Peninsular Malaysia - Federal Ports



■ PELABUHAN-PELABUHAN PERSEKUTUAN
Federal Ports



SABAH - LOKASI PELABUHAN-PELABUHAN NEGERI DAN PELABUHAN PERSEKUTUAN
Sabah - State and Federal Ports



- PELABUHAN-PELABUHAN NEGERI
State Ports
- PELABUHAN-PELABUHAN PERSEKUTUAN
Federal Ports



SARAWAK - LOKASI PELABUHAN-PELABUHAN NEGERI DAN PELABUHAN PERSEKUTUAN
Sarawak - State and Federal Ports



- PELABUHAN-PELABUHAN NEGERI
State Ports
- PELABUHAN-PELABUHAN PERSEKUTUAN
Federal Ports



SEMENANJUNG MALAYSIA - LAPANGAN TERBANG ANTARABANGSA, LAPANGAN TERBANG DOMESTIK DAN PADANG TERBANG

Peninsular Malaysia - International Airport, Domestic Airport and Airstrips



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



SABAH - LAPANGAN TERBANG ANTARABANGSA, LAPANGAN TERBANG DOMESTIK DAN PADANG TERBANG

Sabah - International Airport, Domestic Airport and Airstrips

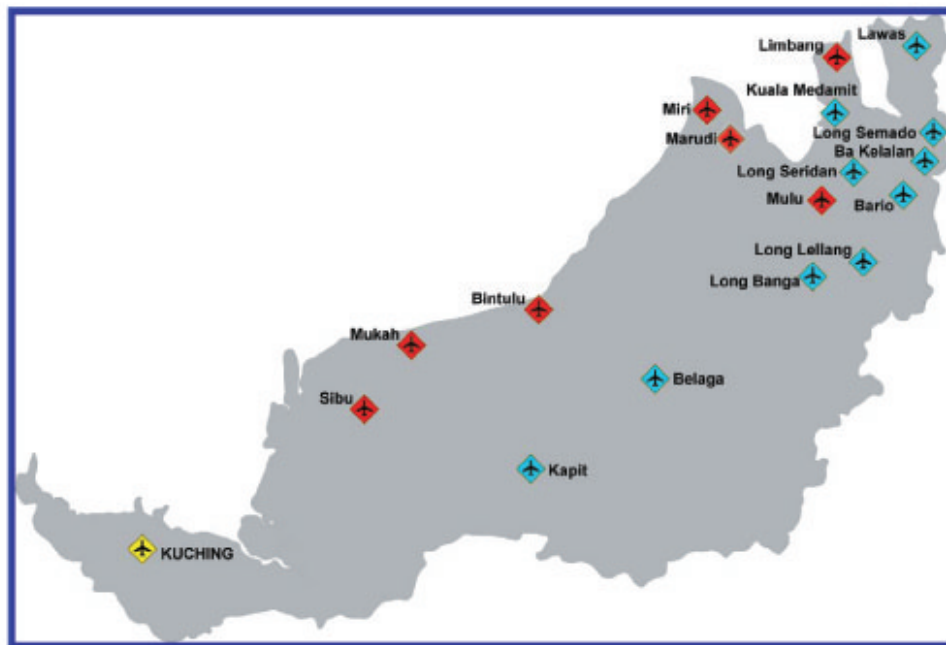


-  Lapangan Terbang Antarabangsa
International Airports
-  Lapangan Terbang Domestik
Domestic Airports
-  Padang Terbang
Airstrips



SARAWAK - LAPANGAN TERBANG ANTARABANGSA, LAPANGAN TERBANG DOMESTIK DAN PADANG TERBANG

Sarawak - International Airport, Domestic Airport and Airstrips



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





Land Transport

PENGANGKUTAN DARAT



JADUAL 1.3 : BILANGAN LESEN YANG DIKELUARKAN OLEH LEMBAGA PERLESENAN KENDERAAN PERDAGANGAN (LPKP) MENGIKUT KELAS LESEN, MALAYSIA, 2001-2010

Table 1.3 : Number of Licenses Issued by Commercial Vehicle Licensing Board (CVLB), by Class of Licenses, Malaysia, 2001 - 2010

KELAS LESEN <i>Class of Licenses</i>	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
BAS										
<i>Busses</i>										
BERHENTI-HENTI <i>Stage</i>	191	363	97	151	519	361	540	513	385	259
EKSPRES <i>Express</i>	290	522	432	177	111	60	356	389	328	332
MINI <i>Mini</i>	5	47	12	13	19	-	11	12	121	18
PEKERJA <i>Employees</i>	785	642	596	347	260	128	361	675	255	429
PENGANTARA <i>Feeder</i>	-	54	11	11	8	14	-	58	127	66
CATAR <i>Chartered</i>	-	-	-	-	11*	5	19	378	181	232
SEKOLAH <i>School</i>	737	964	743	537	635	299	846	1,423	1,129	1,074
JUMLAH KECIL / Sub Total	2,008	2,592	1,891	1,236	1,552	867	2,133	3,448	2,526	2,410
LORI										
<i>Lorries</i>										
"A"	9,644	10,356	4,540	5,085	5,373	3,875	12,492	14,913	16,152	16,118
"C"	1,653	2,203	1,130	834	714	554	1,746	2,061	2,464	2,614
JUMLAH KECIL / Sub Total	11,297	12,559	5,670	5,919	6,087	4,429	14,238	16,974	18,616	18,732
TEKSI										
<i>Taxi</i>										
SEWA <i>Hire</i>	487	672	306	105	4	43	257	255	1,221	1,075
SEWA PANDU SENDIRI <i>Hire & Drive</i>	1	109	597	318	1,491	1,709	1,155	1,388	3,139	1,680
TEKSI <i>Taxi</i>	804	6,856	1,314	602	1,099	237	689	624	2,945	4,993
LAPANGAN TERBANG <i>Airport</i>	101	-	-	1	313	360	228	498	198	136
LIMOUSIN <i>Limousine</i>	93	114	48	40	72	25	292	131	97	60
JUMLAH KECIL / Sub Total	1,486	7,751	2,265	1,066	2,979	2,374	2,621	2,896	7,600	7,944
JUMLAH KESELURUHAN / Grand Total	14,791	22,902	9,826	8,221	10,618	7,670	18,992	23,318	28,742	29,086

Sumber : Executive Information System (E.I.S), Lembaga Perlesenan Kenderaan Perdagangan, Kementerian Pembangunan Usahawan Dan Koperasi
Source : *Executive Information System (E.I.S), Commercial Vehicles Licensing Board, Ministry of Entrepreneur and Cooperative Development*

* : Pada tahun 2005, Lembaga Perlesenan Kenderaan Perdagangan (LPKP) telah memperkenalkan kelas lesen bas catar

* : *Class of chartered bus licenses was introduced by Commercial Vehicles Licensing Board (CVLB) in 2005*



JADUAL 1.4 : PURATA TRAFIK HARIAN (ADT) DI 63 LOKASI, SEMENANJUNG MALAYSIA, 2001 - 2010

Table 1.4 : Average Daily Traffic (ADT) at 63 Locations, Peninsular Malaysia, 2001 - 2010

BIL No	STESEN Station	KM	LOKASI Location	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
				PERAK									
1	AR 101	106.6	Ipoh - Tanjung Malim (Slim River toll house)	11,307	9,515	10,416	11,246	11,892	13,555	16,031	13,854	15,038	15,322
2	AR 204	78.9	Ipoh - Lumut	22,282	18,402	19,576	19,594	19,764	20,907	21,192	21,138	23,920	22,389
3	AR 301	35.9	Ipoh - Kampar	27,971	22,421	23,403	23,243	22,677	24,314	20,703	23,050	23,659	31,022
4	AR 303	5.6	Ipoh - Gopeng	69,185	57,666	56,044	57,852	58,955	62,597	66,573	71,205	79,513	84,135
5	AR 501	30.4	Ipoh - Kuala Kangsar (500m north of Sg. Siput town)	17,441	15,474	14,510	15,298	15,079	15,399	17,927	18,036	19,085	19,246
6	AR 601	79.7	Ipoh - Batu Hampar - Changkat Jering	3,631	5,865	5,984	3,068	9,527	15,758	13,152	16,091	16,752	10,371
7	AR 603	82.1	Ipoh - Changkat Jering - Semanggol	17,558	15,466	13,374	15,442	8,817	2,667	16,365	10,034	7,076	10,270
8	AR 703	106.3	Ipoh - Teluk Intan - Simpang Empat	23,756	9,994	20,345	20,976	21,284	23,258	5,774	24,244	25,159	25,365
9	AR 801	96.6	Ipoh - Kuala Kangsar - Gerik	5,456	6,235	6,563	6,798	6,931	4,169	5,774	2,509	2,715	1,724
10	AR 803	2.4	Lebuh Raya Timur - Barat	2,616	2,280	1,996	2,269	2,608	2,906	3,124	2,945	3,078	3,337
SELANGOR													
11	BR 102	3.5	Klang - Port Klang (Jalan Watson)	59,254	26,409	48,319	47,213	45,006	35,132	47,105	47,817	46,690	52,901
12	BR 108	-	300m From The Federal Highway's Junction - North Klang Straits Bypass	144,718	99,279	107,975	112,600	111,393	109,893	117,571	129,408	122,468	141,121
13	BR 203	48.3	Klang - Morib - Batu Laut	7,630	5,904	5,913	6,445	6,311	6,709	6,400	6,711	7,023	7,101
14	BR 405	45.1	Kuala Lumpur - Kepong - Kuala Selangor	35,874	23,956	23,096	19,427	20,593	21,287	22,675	19,991	20,938	22,822
15	BR 501	72.1	Klang - Sabak Bernam	21,243	15,045	14,145	13,782	15,230	17,456	19,393	17,977	19,773	20,466
16	BR 604	21.7	Kuala Lumpur - Kajang	-	-	n.a	48,722	53,115	56,808	26,712	56,634	58,929	56,609
17	BR 701	58.6	Kuala Lumpur - Kuala Kubu Baru junction (south of junction)	12,569	9,222	9,741	8,883	9,396	9,896	11,712	12,307	13,209	18,293
18	BR 902	19.0	Kuala Lumpur - Karak Highway	159,309	62,906	137,364	138,783	146,831	141,362	172,362	137,870	13,209	129,345
PAHANG													
19	CR 102	67.0	Kuala Lumpur-Kuantan (along KL-Karak Highway)	24,121	16,131	16,348	16,350	17,038	19,707	22,273	20,703	22,224	28,109
20	CR 403	233.0	Kuantan-Maran	32,294	18,944	20,790	18,783	20,345	22,293	24,943	23,395	26,064	28,248
21	CR 410	32.5	Kuantan-Kemaman	25,368	16,470	16,098	15,316	16,470	18,840	23,396	20,260	22,249	22,079
22	CR 503	282.0	Kuala Lumpur-Kuala Lipis-Kampung Padang Tuanku-Kota Bharu	6,315	4,796	5,051	5,890	5,726	6,134	6,605	6,609	6,159	6,253
23	CR 603	3.0	Pekan-Nenasi	7,287	5,665	6,881	6,651	6,450	6,513	6,774	5,746	7,783	8,650
24	CR 801	115.0	Kuantan-Karak	18,507	15,938	16,616	13,474	13,906	11,003	12,429	11,567	11,614	9,029
25	CR 805	189.0	Kuantan-Maran	16,460	11,309	11,848	8,820	8,871	6,832	6,800	6,587	6,761	6,980
26	CR 902	-	Kuantan-Segamat (400m. Bkt. Ibam-Rompin junction north bound)	8,769	6,412	6,571	7,159	6,828	6,634	6,708	7,316	11,634	8,102

Sumber : Kementerian Kerja Raya
 Source : Ministry of Works



JADUAL 1.4 : PURATA TRAFIK HARIAN (ADT) DI 63 LOKASI, SEMENANJUNG MALAYSIA, 2001 - 2010 (samb.)
Table 1.4 : Average Daily Traffic (ADT) at 63 Locations, Peninsular Malaysia, 2001 - 2010 (cont'd)

BIL No	STESEN Station	KM	LOKASI Location	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
KELANTAN													
27	DR 201	19.3	Kota Bharu - Melor	19,618	24,235	23,218	28,378	24,934	22,900	40,141	29,890	43,222	31,602
28	DR 603	6.1	Km Lebuhraya Timur-Barat	3,662	-	4,287	4,229	4,509	4,807	5,572	2,704	5,296	5,440
29	DR 802	61.5	Kota Bharu - Kuala Krai	12,780	13,072	13,464	14,501	14,502	16,932	19,526	18,707	19,521	20,632
JOHOR													
30	JR 101	142.0	Johor Bahru - Batu Pahat - Muar	15,517	9,967	12,739	11,956	11,577	11,086	12,172	10,736	12,735	11,162
31	JR 104	127.2	Johor Bahru - Yong Peng - Muar	14,133	8,309	9,775	8,494	10,052	17,891	27,608	32,094	33,381	25,916
32	JR 108	116.0	Johor Bahru - Segamat	14,661	9,723	10,050	10,334	10,030	11,281	12,558	12,732	12,869	12,262
33	JR 205	12.7	Johor Bahru - Skudai	259,564	200,828	206,699	199,931	191,864	199,433	187,687	407,454	218,035	221,084
34	JR 218	-	1000m east junction to Masai	69,973	45,572	26,633	46,128	51,142	45,330	42,184	86,914	46,426	49,309
35	JR 305	76.0	Johor Bahru - Ayer Hitam	17,367	11,862	12,368	13,434	13,590	15,248	15,381	14,708	15,261	14,810
36	JR 306	49.5	Batu Pahat - Ayer Hitam - Kluang	46,341	33,247	32,325	34,299	30,642	31,429	30,941	33,897	33,572	34,964
37	JR 404	38.6	Johor Bahru - Kota Tinggi	25,747	18,960	18,761	20,418	9,799	19,289	18,786	5,231	19,182	20,302
38	JR 501	135.2	Johor Bahru - Endau (2.4km north of Mersing town)	15,614	10,617	12,157	13,507	13,986	17,332	18,354	17,192	16,688	15,598
39	JR 503	111.1	Johor Bahru - Kota Tinggi - Jemaluang (500 m south of Jemaluang)	5,143	3,643	3,917	4,000	5,970	4,049	4,336	4,246	4,477	4,633
40	JR 702	60.0	Johor Bahru - Pontian Kecil - Pontian Besar (near Pontian Hospital)	43,926	35,982	43,411	13,534	14,191	20,095	13,299	17,789	14,480	14,406
41	JR 801	199.5	Johor Bahru - Segamat - Batu Anam	13,530	10,364	10,464	10,932	10,947	12,282	13,707	14,145	14,648	15,237
KEDAH													
42	KR 202	20.6	Alor Setar - Changlun	35,246	28,551	30,168	33,110	32,409	37,853	35,020	51,314	34,715	30,402
43	KR 401	70.8	Alor Setar - Sungai Petani - Butterworth	29,153	20,567	21,967	21,885	22,259	21,067	20,419	16,123	19,052	24,002
44	KR 501	29.0	Alor Setar - Sungai Petani	26,614	18,769	18,535	18,893	19,452	20,396	25,382	17,586	19,169	19,387
MELAKA													
45	MR 206	22.9	Melaka - Muar	23,118	24,105	24,798	23,144	23,019	24,404	15,027	14,057	15,501	15,679
46	MR 301	25.0	Melaka - Kendong	20,074	18,546	20,678	19,873	16,414	9,971	11,235	11,057	9,986	11,472
47	MR 313	43.5	Melaka - Lubok Cina	5,613	5,828	6,164	6,246	6,068	7,255	9,310	8,179	7,709	7,858

Sumber : Kementerian Kerja Raya
Source : Ministry of Works



JADUAL 1.4 : PURATA TRAFIK HARIAN (ADT) DI 63 LOKASI, SEMENANJUNG MALAYSIA, 2001 - 2010
Table 1.4 : Average Daily Traffic (ADT) at 63 Locations, Peninsular Malaysia, 2001 - 2010

BIL No	STESEN Station	KM	LOKASI Location	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
NEGERI SEMBILAN													
48	NR 304	21.7	Seremban - Port Dickson	31,273	31,289	34,421	41,492	41,561	47,909	59,699	68,327	67,092	65,580
49	NR 403	42.7	Seremban - Tampin	11,545	12,848	13,733	13,076	13,191	13,074	13,405	12,990	13,073	12,690
50	NR 501	20.0	Seremban - Kuala Lumpur	13,495	15,145	13,495	12,718	13,410	14,844	15,723	14,329	12,530	36,195
51	NR 505	9.3	Seremban - Tampin (500 m outside town area)	42,509	39,776	40,978	41,027	43,096	39,714	39,540	38,197	33,697	35,708
PULAU PINANG													
52	PR 116	16.9	Butterworth - Taiping	41,757	32,490	35,534	34,280	34,076	50,151	49,833	53,451	56,601	56,349
53	PR 201	11.1	Georgetown - Teluk Bahang (Jln. Kelliling Pulau)	23,851	17,902	19,425	20,717	20,242	22,884	25,931	24,392	24,799	27,334
54	PR 203	57.2	Georgetown - Bayan Lepas - Gelugor (Jln. Kelliling Pulau)	51,295	34,937	36,582	36,122	36,412	41,843	42,223	43,232	47,285	50,776
PERLIS													
55	RR 105	3.2	Kangar - Alor Setar (Melalui Simpang Empat)	17,781	16,098	16,177	17,317	17,644	19,859	21,939	20,769	21,321	21,758
KUALA TERENGGANU													
56	TR 103	61.5	K. Terengganu - Jerleh - Kota Bharu	15,321	12,766	14,434	18,382	18,805	19,007	20,255	23,357	21,313	24,196
57	TR 202	78.9	K. Terengganu - Dungun - Kemaman	9,075	9,404	9,604	13,842	11,688	20,955	26,801	23,463	29,051	28,602
58	TR 305	48.0	Kuantan - K. Terengganu (Jln. Jabor-Jerangau)	3,554	3,671	3,872	4,112	4,033	4,079	5,762	5,363	5,381	5,590
59	TR 402	17.0	K. Terengganu - Kuantan	19,159	20,000	21,602	22,063	11,594	24,524	25,042	24,933	24,852	25,887
60	TR 502	33.0	K. Terengganu - Kg. Ajiil - Jerangau	10,094	9,928	13,725	10,830	11,149	12,216	11,448	13,132	14,701	14,695
KUALA LUMPUR													
61	WR 102	12.1	Kuala Lumpur - Ipoh	144,027	156,842	164,701	152,455	155,016	150,874	171,266	161,161	214,746	277,797
62	WR 103	8.1	Kuala Lumpur - Ipoh	-	-	-	192,095	185,828	206,484	202,018	205,867	194,287	196,796
63	WR 105	8.1	Kuala Lumpur - Seremban Expressway	199,187	213,363	213,158	208,656	226,019	245,799	265,025	229,713	213,522	201,260

Sumber : Kementerian Kerja Raya
Source : Ministry of Works



JADUAL 1.5 : PURATA TRAFIK HARIAN (ADT) DI 16 LOKASI, SABAH DAN SARAWAK, 2001 - 2010
Table 1.5 : Average Daily Traffic (ADT) at 16 Locations, Sabah and Sarawak, 2001 - 2010

BIL No	STESEN Station	KM	LOKASI Location	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
				SABAH									
1	HR 101	4.8	Beaufort - Sindumin	2,689	3,856	4,077	4,902	5,805	7,042	12,391	7,454	4,811	4,924
2	HR 104	9.0	Tenom - Toman - Bekuku Highway	2,963	3,081	2,501	2,796	2,662	4,196	4,594	4,566	4,566	4,294
3	HR 201	22.5	Kota Kkinabalu - Papar	2,831	2,800	3,029	3,124	3,416	3,541	5,246	6,453	7,968	9,370
4	HR 202	8.1	Donggongan - Tambunan	4,006	3,189	3,836	4,123	4,326	4,751	4,607	3,578	3,701	3,835
5	HR 204	69.0	Kota Kinabalu - Kudat (100mm From Longtigi Junction)	3,584	4,831	6,038	4,665	4,738	7,913	11,703	9,855	9,450	11,189
6	HR 501	31.4	Tawau - Semporna	13,289	15,104	16,981	19,330	12,948	10,938	21,450	16,850	9,407	6,977
7	HR 504	14.5	Sg. Segama Crossing	3,918	4,586	5,472	6,445	3,339	7,140	7,732	6,987	6,781	8,294
8	HR 506	68.0	20km from Semporna towards Tawau	2,084	2,321	2,771	3,464	6,795	1,670	3,679	2,585	2,663	2,711
9	HR 507	82.0	Tawau - Sandakan (Near Kunak Junction)	3,371	4,353	4,640	4,858	6,831	7,820	8,315	7,168	8,600	11,141
SARAWAK													
10	SR 101	16.1	Bau - Semantan	2,118	1,911	2,337	3,293	3,466	2,457	2,838	3,188	3,143	3,091
11	SR 103	27.4	Kucing - Serian	16,559	16,752	23,100	27,839	26,599	22,781	21,696	22,225	24,564	30,616
12	SR 401	20.0	Bintulu - Sibul	3,588	4,006	4,923	7,197	5,952	6,779	6,986	7,250	9,808	10,957
13	SR 402	29.0	Bintulu - Miri	2,709	2,714	3,426	4,903	5,702	4,828	5,357	5,924	7,880	8,507
14	SR 403	6.2	Miri - Bintulu (before junction to Airport)	20,346	25,442	23,612	24,487	18,046	10,345	9,138	9,984	11,060	10,506
15	SR 503	1.6	Limbang - Brunei Border (Sg.Padaruan)	15,074	20,510	20,944	21,535	18,016	16,317	14,301	16,319	14,141	19,032
16	SR 504	1.6	Lawas - Trusan	1,668	4,028	3,898	4,379	4,399	3,935	5,344	4,519	5,139	3,653

Sumber : Kementerian Kerja Raya
Source : *Ministry of Works*



JADUAL 1.6 : KOMPOSISI TRAFIK (%) MENGIKUT JENIS KENDERAAN DI 14 STESEN TERPILIH, MALAYSIA, 2010
Table 1.6 : Traffic Composition (%) by Type of Vehicle at 14 Selected Stations, Malaysia, 2010

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 203	Johor Bahru - Air Hitam	33,679	64	8.5	9.2	5.3	1.5	11.7
2	JR 501	Johor Bahru - Endau	15,598	45	9.5	6.3	4.0	0.9	34.6
3	NR 501	Seremban - Kuala Lumpur	36,195	66	6.7	8.0	2.6	1.9	14.8
4	PR 115	Butterworth - Taiping	37,548	54	6.4	7.9	3.0	0.9	28.2
5	AR 301	Ipoh - Kampar	31,022	64	5.2	9.2	4.1	1.4	16.7
6	KR 501	Alor Setar - Sungai Petani	19,387	52	7.3	8.9	4.6	0.7	26.3
7	CR 805	Kuantan - Maran	6,890	60	10.3	7.8	7.2	1.1	13.7
8	CR 902	Persimpangan Bukit Iban - Rompin Di Lebu Raya Kuantan - Segamat	8,102	52	14.9	9.5	11.5	1.3	11.1
9	TR 402	Kuala Terengganu - Kuantan	25,887	64	7.0	4.3	1.8	0.7	21.6
10	DR 802	Kota Bharu - Kuala Krai	20,632	59	15.3	7.1	3.1	0.7	15.1
SABAH									
11	HR 201	Kota Kinabalu - Papar	9,370	60	22.9	8.6	2.7	0.9	5.6
12	HR 501	Tawau - Semporna	6,977	37	33.9	16.6	7.5	0.9	4.4
SARAWAK									
13	SR 103	Kuching - Serian	30,616	54	10.3	11.1	5.1	1.7	18.4
14	SR 402	Bintulu - Miri	8,507	56	12.6	13.4	12.2	2.7	3.4

Sumber : Kementerian Kerja Raya

Source : Ministry of Works



JADUAL 1.7 : JUMLAH KEMALANGAN JALAN RAYA MENGIKUT NEGERI, MALAYSIA, 2001 - 2010

Table 1.7 : Total Road Accidents by States, Malaysia, 2001 - 2010

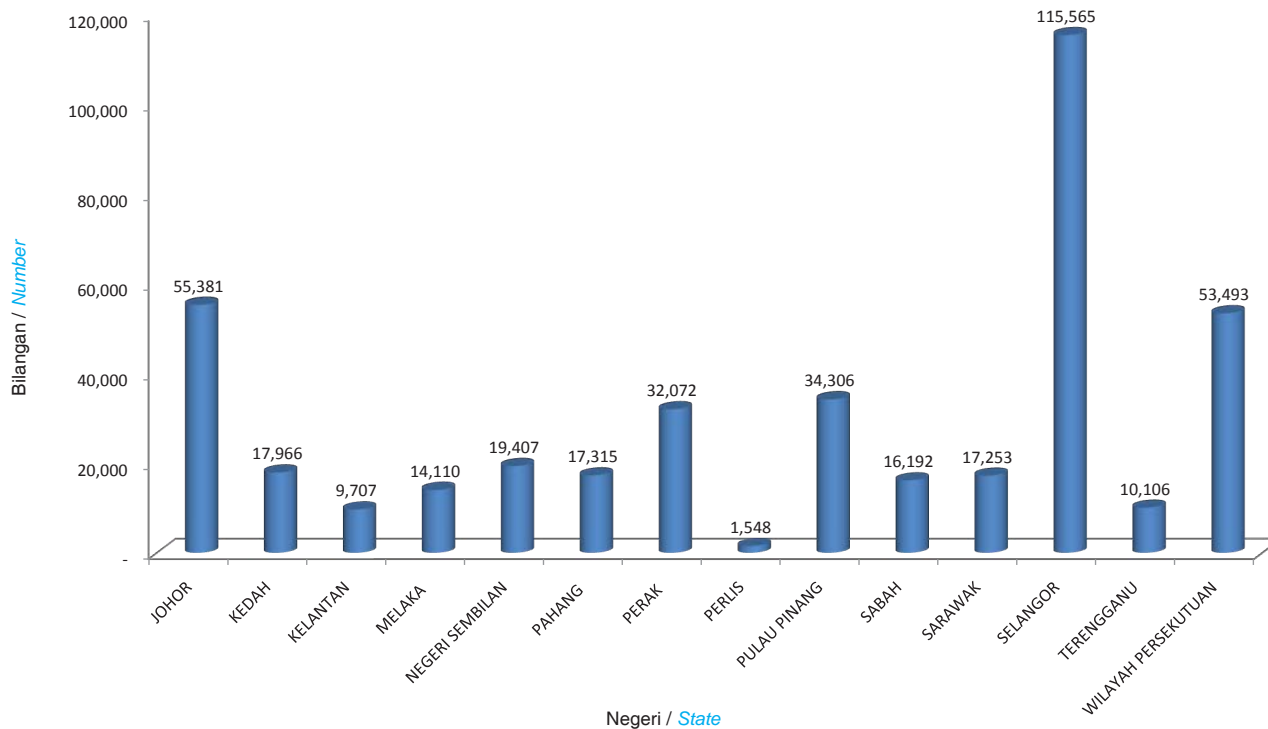
NEGERI State	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
JOHOR	33,398	34,275	36,445	41,854	42,606	43,757	46,584	48,667	51,747	55,381
KEDAH	12,022	12,423	12,456	14,196	14,484	15,505	16,172	16,520	17,701	17,966
KELANTAN	5,814	6,166	6,882	7,253	7,126	7,337	8,116	8,842	9,549	9,707
MELAKA	8,899	9,462	10,122	11,020	10,321	10,707	11,720	12,105	13,275	14,110
NEGERI SEMBILAN	12,737	13,410	13,868	14,505	14,461	15,197	16,079	17,362	18,369	19,407
PAHANG	10,053	10,722	12,303	13,349	13,381	13,242	13,982	15,548	17,068	17,315
PERAK	23,698	25,245	25,948	27,542	27,225	27,432	29,203	30,539	32,327	32,072
PERLIS	997	992	1,101	1,073	1,037	1,160	1,364	1,417	1,633	1,548
PULAU PINANG	25,862	26,419	27,817	31,008	30,934	32,573	33,881	34,049	33,719	34,306
SABAH	10,073	10,244	11,071	12,018	12,760	13,550	14,256	14,588	15,798	16,192
SARAWAK	10,714	11,501	12,483	13,865	14,209	14,808	15,196	15,488	16,655	17,253
SELANGOR	67,009	73,604	80,074	87,891	87,705	90,632	99,157	100,380	107,429	115,565
TERENGGANU	5,812	5,851	6,589	7,003	7,078	7,098	8,155	8,814	10,118	10,106
WILAYAH PERSEKUTUAN	38,087	39,397	41,492	44,240	45,000	46,254	49,454	48,671	51,942	53,493
JUMLAH	265,175	279,711	298,651	326,817	328,327	339,252	363,319	372,990	397,330	414,421

Sumber : Polis Diraja Malaysia
Source : Royal Malaysian Police



CARTA 1.5 : JUMLAH KEMALANGAN JALAN RAYA MENGIKUT NEGERI, MALAYSIA, 2010

Chart 1.5 : Total Road Accidents by States, Malaysia, 2010





JADUAL 1.8 : JUMLAH KENDERAAN YANG TERLIBAT DALAM KEMALANGAN JALAN RAYA MENGIKUT JENIS KENDERAAN, MALAYSIA, 2001 - 2010

Table 1.8 : Total Motor Vehicles Involved in Road Accidents by Type of Vehicle, Malaysia, 2001 - 2010

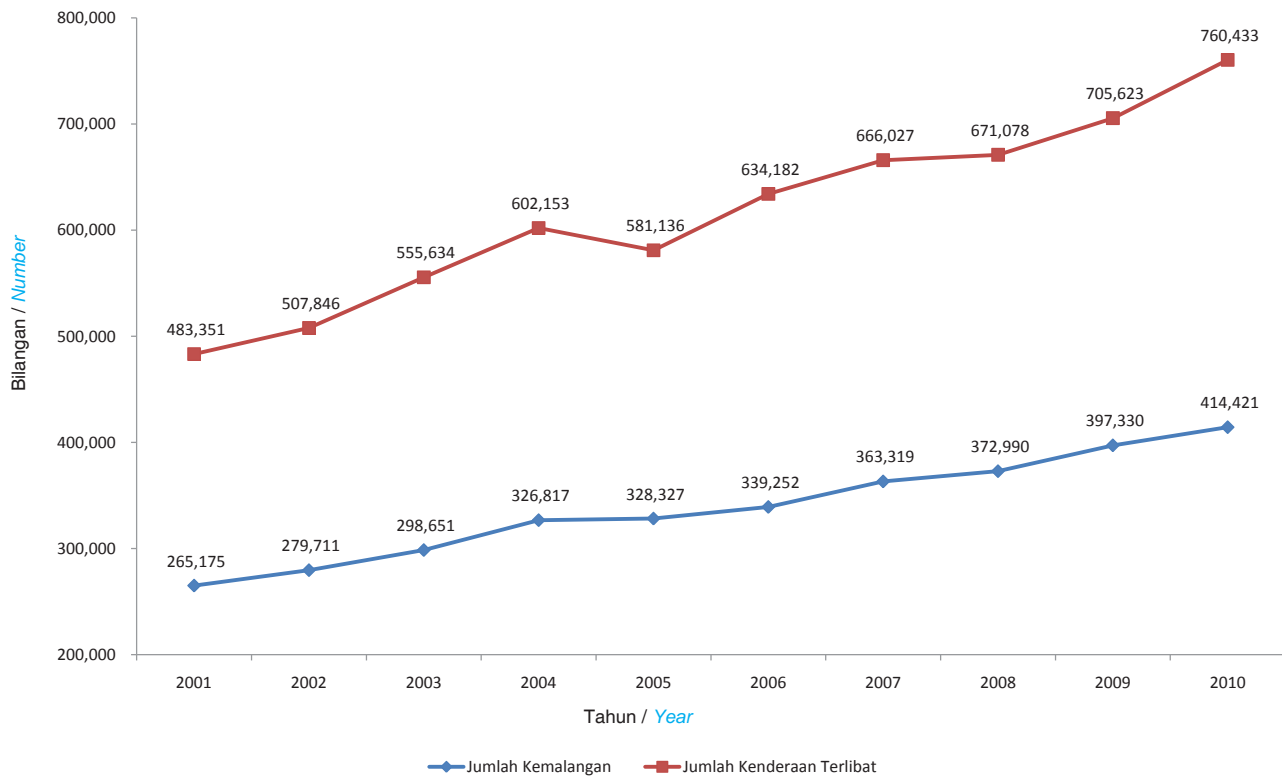
TAHUN Year	MOTOSIKAL Motorcycle	MOTOKAR Motocar	VAN	BAS Bus	LORI Lorry	PEMACU 4 RODA Four Wheel Drive	TEKSI Taxi	BASIKAL Bicycle	LAIN - LAIN Others	JUMLAH Total
2001	85,761	300,910	19,715	9,275	36,448	13,679	6,530	3,424	7,609	483,351
2002	86,779	320,649	19,077	9,256	37,794	14,783	6,187	3,278	10,043	507,846
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

Sumber : Polis Diraja Malaysia
Source : Royal Malaysian Police



CARTA 1.6 : JUMLAH KEMALANGAN JALAN RAYA DAN KENDERAAN TERLIBAT, MALAYSIA, 2001 - 2010

Chart 1.6 : Total Road Accidents and Motor Vehicles Involved, Malaysia, 2001-2010





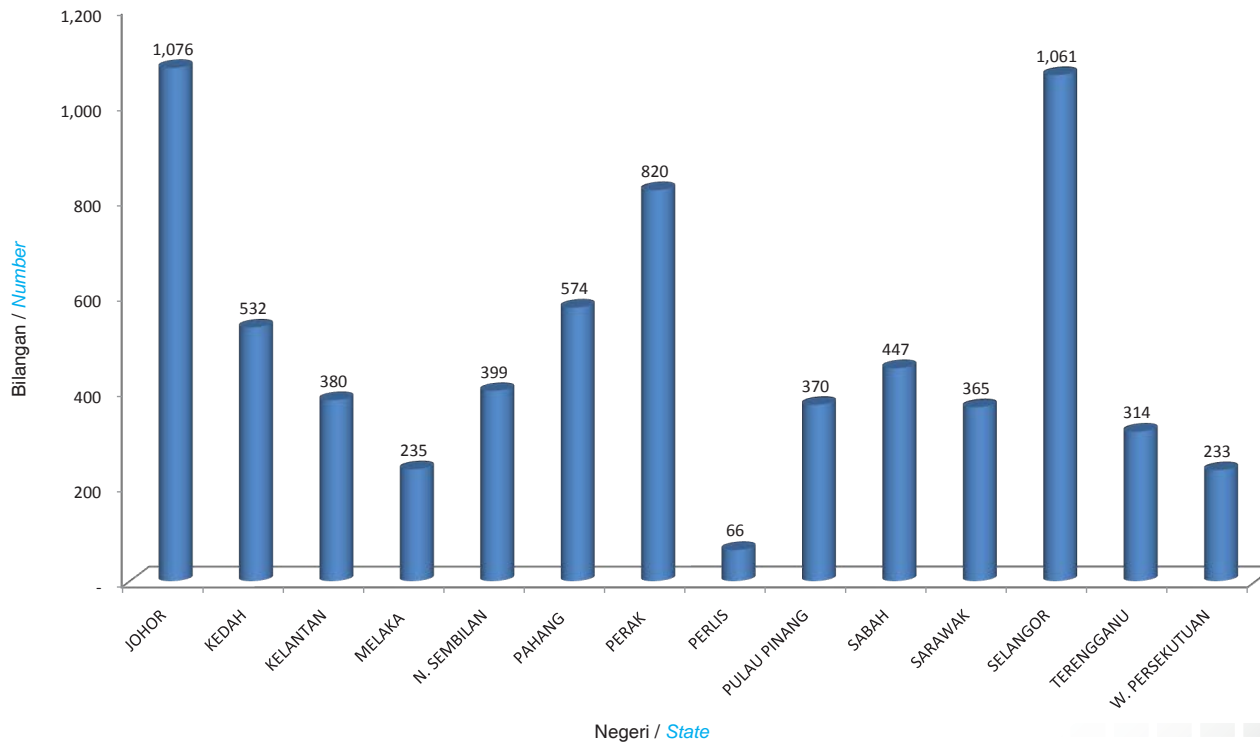
JADUAL 1.9 : JUMLAH KEMATIAN MENGIKUT TAHUN DAN NEGERI, MALAYSIA, 2001 - 2010
Table 1.9 : Total Fatalities by Year and States, Malaysia, 2001 - 2010

NEGERI State	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
JOHOR	960	988	983	1,014	1,022	1,017	1,023	1,065	1,060	1,076
KEDAH	473	495	534	474	482	494	492	496	550	532
KELANTAN	271	302	314	279	292	331	374	380	453	380
MELAKA	223	222	228	259	227	232	227	243	248	235
NEGERI SEMBILAN	284	326	340	324	351	337	320	389	377	399
PAHANG	414	457	438	445	448	451	437	446	512	574
PERAK	725	711	739	798	713	726	811	829	829	820
PERLIS	47	53	54	34	63	63	41	69	90	66
PULAU PINANG	346	363	389	405	371	381	376	354	395	370
SABAH	328	252	310	300	319	296	316	325	345	447
SARAWAK	290	263	290	295	346	347	316	318	332	365

Sumber : Polis Diraja Malaysia
Source : *Royal Malaysian Police*



CARTA 1.7: JUMLAH KEMATIAN MENGIKUT NEGERI, MALAYSIA, 2010
Chart 1.7: Total Fatalities by States, Malaysia, 2010





JADUAL 1.10 : JUMLAH KECEDERAAN DAN KEMATIAN DISEBABKAN OLEH KEMALANGAN JALAN RAYA,
MALAYSIA, 2001 - 2010

Table 1.10 : Total Casualties and Deaths Caused by Road Accidents, Malaysia, 2001 - 2010

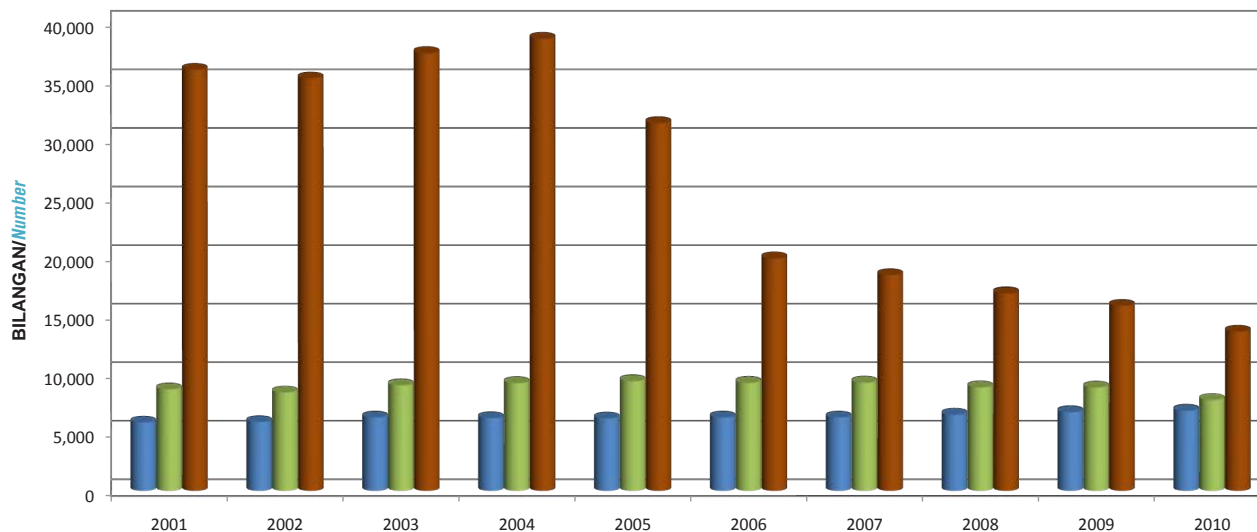
TAHUN Year	JUMLAH KEMALANGAN Total Number of Accidents	KECEDERAAN DAN KEMATIAN Casualties and Deaths						JUMLAH Total
		MATI Deaths	% Mati % Deaths	PARAH Severe	% Cedera Parah % Severe	RINGAN Minor	% Cedera Ringan % Minor	
2001	265,175	5,849	2.21	8,689	3.28	35,974	13.57	50,512
2002	279,237	5,891	2.11	8,425	3.02	35,236	12.62	49,552
2003	298,653	6,286	2.10	9,040	3.03	37,415	12.53	52,741
2004	326,817	6,228	1.91	9,229	2.82	38,631	11.82	54,088
2005	328,264	6,200	1.89	9,397	2.86	31,429	9.57	47,026
2006	339,252	6,287	1.85	9,254	2.73	19,884	5.86	35,425
2007	363,319	6,282	1.73	9,273	2.55	18,444	5.08	33,999
2008	372,990	6,527	1.75	8,866	2.38	16,901	4.53	32,294
2009	397,330	6,745	1.70	8,849	2.23	15,823	3.98	31,417
2010	414,421	6,872	1.66	7,781	1.88	13,616	3.29	28,269

Sumber : Polis Diraja Malaysia
Source : Royal Malaysian Police



**CARTA 1.8: JUMLAH KECEDERAAN DAN KEMATIAN DISEBABKAN OLEH KEMALANGAN JALAN RAYA ,
 MALAYSIA, 2001 - 2010**

Chart 1.8 : Total Casualties and Deaths Caused by Road Accidents , Malaysia, 2001 - 2010

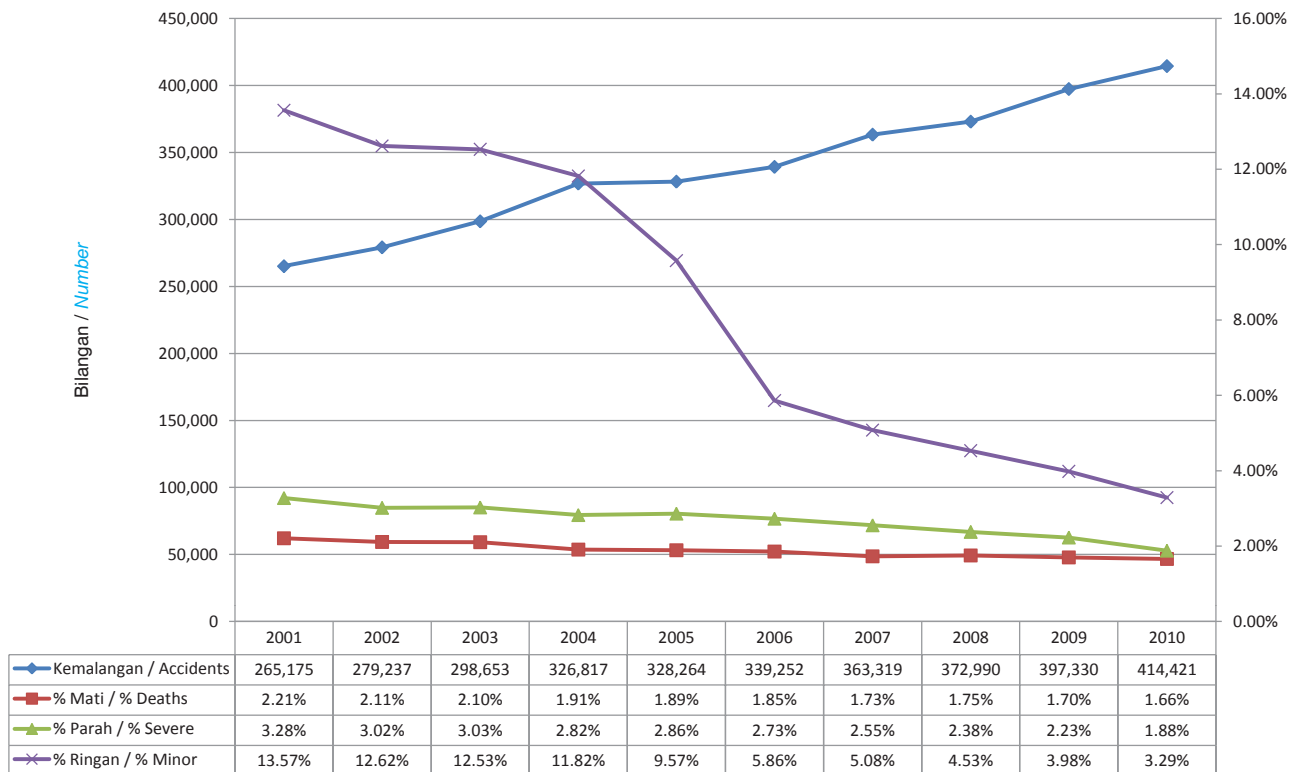


	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
■ MATI Deaths	5,849	5,891	6,286	6,228	6,200	6,287	6,282	6,527	6,745	6,872
■ PARAH Severe	8,689	8,425	9,040	9,229	9,397	9,254	9,273	8,866	8,849	7,781
■ RINGAN Minor	35,974	35,236	37,415	38,631	31,429	19,884	18,444	16,901	15,823	13,616

Negeri / State



CARTA 1.9 : JUMLAH KEMALANGAN, PERATUS KECEDERAAN DAN KEMATIAN DISEBABKAN KEMALANGAN JALAN RAYA, MALAYSIA, 2001 - 2010
Chart 1.9: Total Accidents, Percentage of Casualties and Deaths Caused by Road Accidents, Malaysia, 2001 - 2010





Rail Transport

**PENGANGKUTAN
REL**



JADUAL 2.1 : STATISTIK TRAFIK KERETAPI TANAH MELAYU BERHAD (KTMB), 2001 - 2010
Table 2.1 : Keretapi Tanah Melayu Berhad (KTMB) Traffic Statistics, 2001 - 2010

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 (' 000)	KM PENUMPANG Passenger Km (' 000,000)	TON Tonnes (' 000)	TON KM Tonnes Km (' 000,000)	TEU Teus	BIL No (' 000)	RINGGIT MALAYSIA Malaysia Ringgit (RM)	BIL No (' 000)	KM PENUMPANG Passenger Km (' 000,000)	RINGGIT MALAYSIA Malaysia Ringgit (RM)
2001	3,511	1,181	4,150	1,094	149,669	20,929	45,830,308	*	*	*
2002	3,437	1,123	3,741	1,107	262,478	22,084	49,710,637	*	*	*
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

SUMBER / *Source* : KERETAPI TANAH MELAYU BERHAD (KTMB)

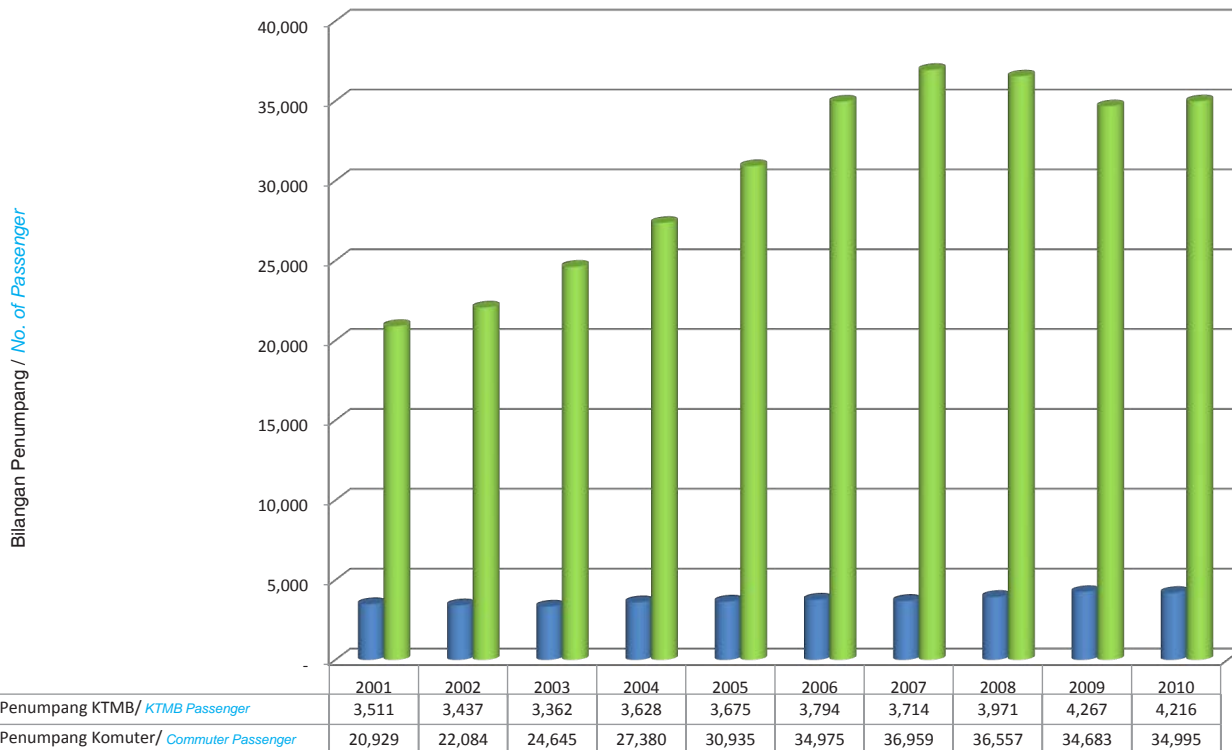
* - Mula beroperasi Ogos 2010 / *Start operating in August 2010*

ETS : Sistem Keretapi Elektrik / *Electric Train System*



Carta 2.1 : BILANGAN PENUMPANG KTMB DAN KTM KOMUTER BAGI PERKHIDMATAN KERETAPI TANAH MELAYU BERHAD, 2001-2010

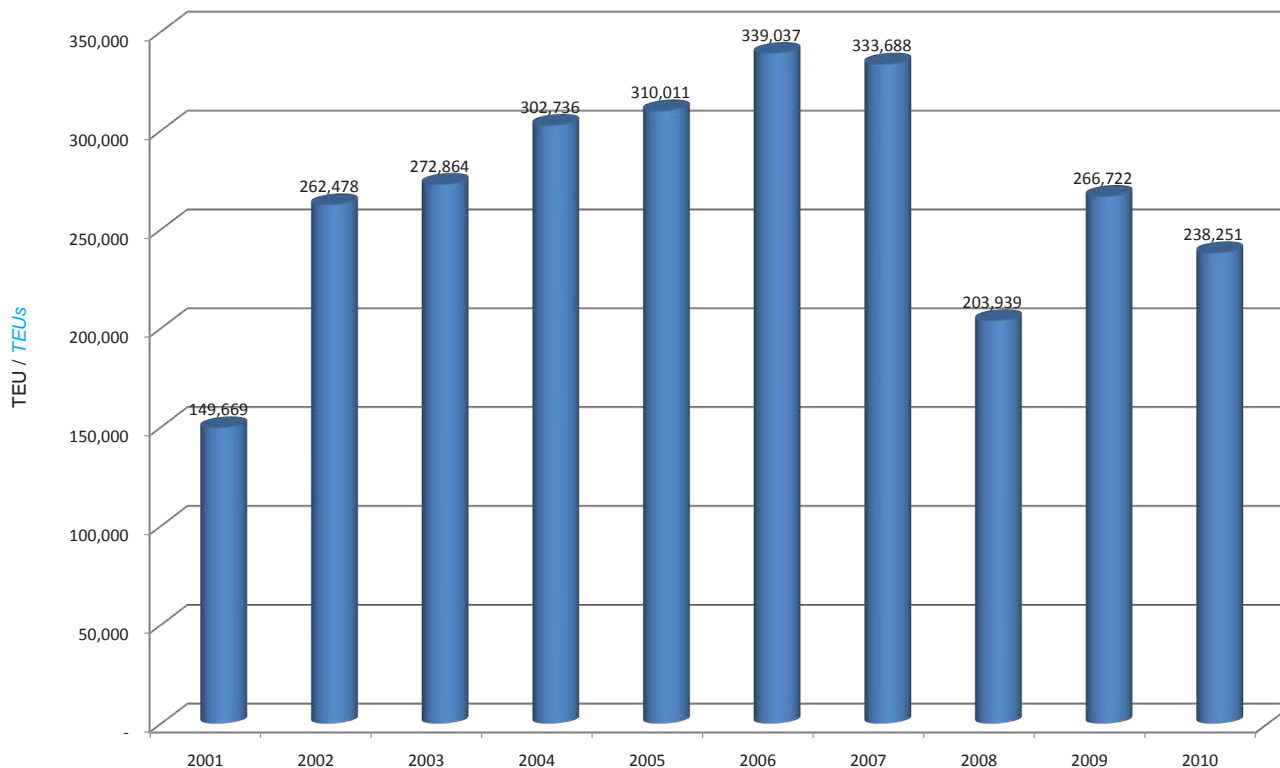
Chart 2.1 : Number of KTMB and Commuter Passengers for Keretapi Tanah Melayu Berhad, 2001-2010





CARTA 2.2 : JUMLAH KONTENA YANG DIKENDALIKAN KERETAPI TANAH MELAYU BERHAD, 2001-2010

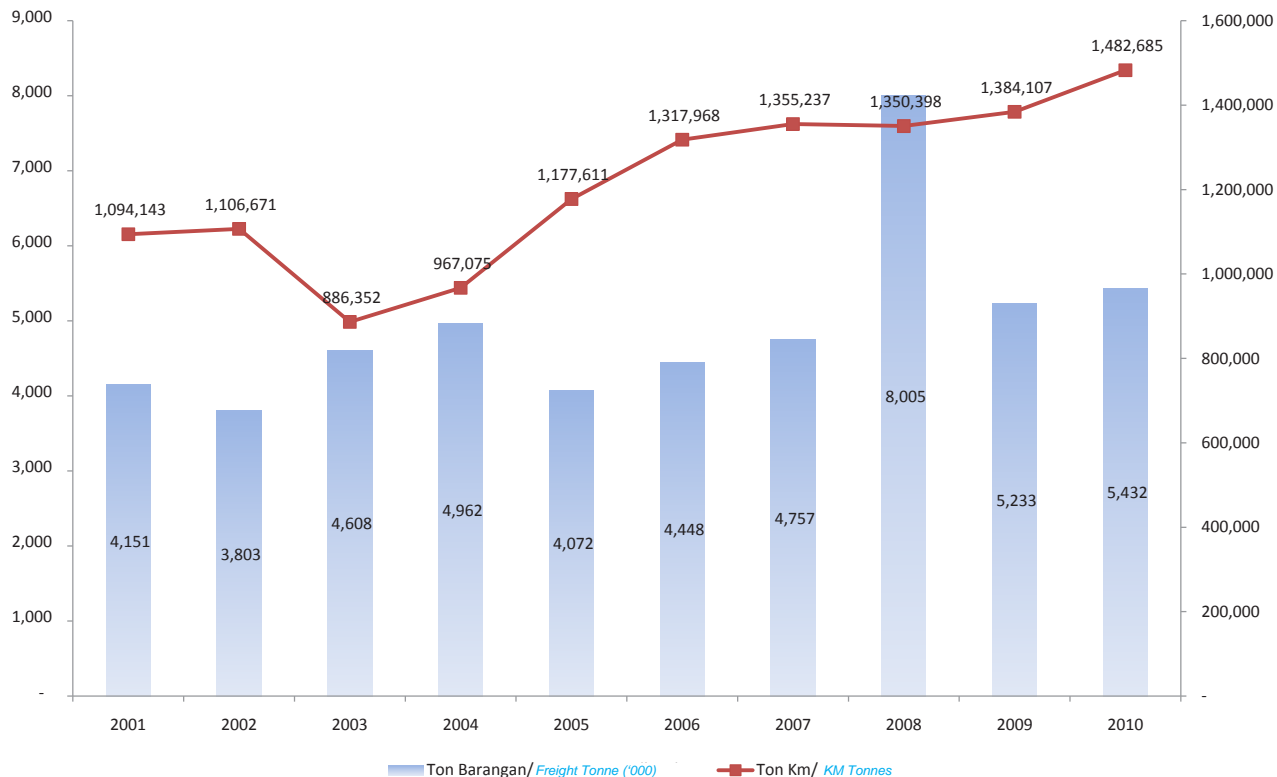
Chart 2.2 : Total Container Handled by Keretapi Tanah Melayu Berhad, 2001-2010





CARTA 2.3 : TRAFIK BARANGAN BAGI PERKHIDMATAN KERETAPI TANAH MELAYU BERHAD (KTMB), 2001-2010

Chart 2.3 : Freight Traffic for Keretapi Tanah Melayu Berhad, 2001-2010





JADUAL 2.2 : BILANGAN PENUMPANG DAN KILOMETER PENUMPANG MENGIKUT KELAS, 2001 - 2010
Table 2.2 : Number of Passengers and Passenger Kilometres by Classes, 2001 - 2010

TAHUN Year	BILANGAN PENUMPANG Number of Passengers ('000)				KILOMETER PENUMPANG Passenger Kilometres ('000,000)			
	KELAS SATU First Class	KELAS DUA Second Class	KELAS TIGA Third Class	JUMLAH Total	KELAS SATU First Class	KELAS DUA Second Class	KELAS TIGA Third Class	JUMLAH Total
2001	92.0	1,507.0	1,913.0	3,512.0	40.9	639.2	501.3	1,181.4
2002	88.0	1,468.0	1,881.0	3,437.0	38.8	609.7	474.6	1,123.1
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

Sumber / Source : Keretapi Tanah Melayu Berhad (KTMB)



**JADUAL 2.3 : BILANGAN PENUMPANG DAN KILOMETER PENUMPANG BAGI PERKHIDMATAN KERETAPI
EKSPRES, 2001 - 2010**

Table 2.3 : Number of Passengers and Passenger Kilometres for Express Services, 2001 - 2010

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
2001	30.0	296.0	-	326.0	14.1	126.0	-	140.1	25.0	181.0	-	206.0	10.4	78.0	-	88.4
2002	29.0	236.0	-	265.0	13.0	97.0	-	110.0	23.0	165.0	-	188.0	9.1	70.0	-	79.1
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	-	259.0	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
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
2001	10.0	209.0	189.0	408.0	8.2	76.2	55.6	140.0	7.0	100.0	321.0	428.0	2.7	57.9	172.4	233.0
2002	11.0	231.0	214.0	456.0	3.7	79.3	60.4	143.4	7.0	101.0	318.0	426.0	2.7	58.5	168.5	229.7
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	517.0	4.1	77.4	75.4	156.9	8.0	129.0	301.0	439.0	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	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

Sumber / Source : Keretapi Tanah Melayu Berhad (KTMB)



JADUAL 2.3 : BILANGAN PENUMPANG DAN KILOMETER PENUMPANG BAGI PERKHIDMATAN KERETAPI EKSPRES, 2001 - 2010 (Samb)

Table 2.3 : Number of Passengers and Passenger Kilometres for Express Services, 2001 - 2010 (Cont'd)

TAHUN Year	EKSPRES / Express GADING MAS								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
2001	10.0	209.0	189.0	408.0	8.2	76.2	55.6	140.0	7.0	100.0	321.0	428.0	2.70	57.9	172.4	233.0
2002	11.0	231.0	214.0	456.0	3.7	79.3	60.4	143.4	7.0	101.0	318.0	426.0	2.70	58.5	168.5	229.7
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	2.30	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	3.30	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	4.10	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	3.60	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	2.00	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	5.00	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

Sumber / Source : Keretapi Tanah Melayu Berhad (KTMB)



JADUAL 2.4 : TRAFIK BARANGAN MENGIKUT JENIS KARGO, 2001 - 2010

Table 2.4 : Freight Traffic by Type of Cargo, 2001 - 2010

JENIS KARGO Type of Cargo	(' 000)	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
SIMEN & KLINKER <i>Cement & Clinker</i>	Tonne	1,181	1,061	856	942	1,026	1,220	1,355	4,654	1,704	1,814
	t km	379,143	330,382	238,840	227,924	293,139	308,121	356,299	390,869	531,335	605,926
KONTENA PERKAPALAN <i>Maritime Container</i>	Tonne	1,796	1,658	2,749	2,887	1,876	2,074	2,222	2,272	2,603	2,588
	t km	399,655	419,098	284,612	343,462	394,193	597,355	507,900	490,127	455,843	408,893
LANDBRIDGE <i>Landbridge</i>	Tonne	-	-	-	216	184	164	122	105	55	39
	t km	-	-	-	54,689	114,199	22,516	56,701	72,286	15,710	17,189
PETROL & MINYAK GALIAN <i>Petrol & Mineral Oil</i>	Tonne	258	218	127	72	57	62	75	45	-	-
	t km	67,871	62,547	41,198	22,894	17,763	19,714	23,964	13,935	-	-
MAKANAN & MINUMAN PROSES <i>Processed Food & Drink</i>	Tonne	224	249	242	288	358	363	421	433	476	487
	t km	101,555	188,931	206,111	214,539	267,898	278,419	323,857	315,429	319,811	308,923
BERAS, PADI & BRAN <i>Rice, Paddy & Bran</i>	Tonne	-	-	-	-	-	-	-	-	-	-
	t km	-	-	-	-	-	-	-	-	-	-
GETAH <i>Rubber</i>	Tonne	-	-	1	-	-	-	-	-	-	-
	t km	-	267	17	22	-	-	-	-	-	-
GETAH CECAIR <i>Latex</i>	Tonne	-	-	-	-	-	-	-	-	-	-
	t km	-	108	28	12	1	1	-	-	-	-
KAYU BALAK <i>Logs</i>	Tonne	12	2	-	-	-	-	-	-	-	-
	t km	4,946	420	-	-	-	-	-	-	-	-
KAYU GERGAJI <i>Swan Timber</i>	Tonne	2	-	-	-	-	-	-	-	-	-
	t km	393	-	-	-	-	-	-	-	-	-
BUJUH & LAIN-LAIN GALIAN <i>Ore & Other Minerals</i>	Tonne	103	-	80	90	58	21	10	11	6	2
	t km	42,065	-	22,961	21,929	12,654	1,133	182	1,573	102	38
KIMIA <i>Chemicals</i>	Tonne	383	378	375	346	309	370	386	347	259	298
	t km	28,011	25,343	23,433	20,986	20,682	22,602	23,611	21,935	18,390	22,422
MINYAK MAKAN <i>Edible Oil</i>	Tonne	-	-	-	-	-	-	-	-	-	-
	t km	-	-	-	-	-	-	-	-	-	-
LAIN-LAIN <i>Others</i>	Tonne	192	237	178	121	204	174	166	138	130	204
	t km	70,504	79,575	69,152	60,618	57,082	68,107	62,723	44,244	42,916	119,294
JUMLAH <i>Total</i>	Tonne	4,151	3,803	4,608	4,962	4,072	4,448	4,757	8,005	5,233	5,432
	t km	1,094,143	1,106,671	886,352	967,075	1,177,611	1,317,968	1,355,237	1,350,398	1,384,107	1,482,685

Sumber / Source : Keretapi Tanah Melayu Berhad (KTMB)



JADUAL 2.5 : JUMLAH HASIL BARANGAN MENGIKUT JENIS KARGO, 2001 - 2010

Table 2.5 : Goods Revenue by Type of Cargo, 2001 - 2010

JENIS KARGO Type of Cargo	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	RM ' 000
SIMEN & KLINKER <i>Cement & Clinker</i>	20,970	19,698	15,475	17,350	19,345	20,857	24,345	26,200	29,350	32,421	
KONTENA PERKAPALAN <i>Maritime Container</i>	52,153	57,561	60,548	32,979	35,526	40,216	46,520	43,871	47,583	47,217	
LANDBRIDGE <i>Landbridge</i>	-	-	-	33,773	30,022	29,846	25,846	20,500	13,644	8,054	
PETROL & MINYAK GALIAN <i>Petrol & Mineral Oil</i>	5,689	5,050	3,258	1,738	1,992	2,253	2,866	1,710	-	-	
MAKANAN & MINUMAN PROSES <i>Processed Food & Drink</i>	5,480	6,824	7,085	7,787	9,196	9,583	11,770	11,706	12,047	12,436	
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>	255	34	-	-	-	27	-	-	-	-	
KAYU GERGAJI <i>Swan Timber</i>	41	1	-	-	-	41	-	-	-	-	
BIJIH & LAIN-LAIN GALIAN <i>Ore & Other Minerals</i>	2,221	2,176	1,736	2,377	905	211	98	99	72	23	
KIMIA <i>Chemicals</i>	3,773	3,692	3,640	3,587	3,431	3,804	5,139	4,592	3,064	3,653	
MINYAK MAKAN <i>Edible Oil</i>	-	-	-	-	-	-	-	-	-	-	
LAIN-LAIN <i>Others</i>	10,906	4,129	8,413	8,294	7,199	6,579	5,188	6,418	9,763	12,291	
JUMLAH <i>Total</i>	101,488	99,165	100,375	107,890	107,616	113,417	121,772	115,096	115,523	116,095	

Sumber / Source : Keretapi Tanah Melayu Berhad (KTMB)



JADUAL 2.6 : DAFTAR LOKOMOTIF, 2001 - 2010

Table 2.6 : Locomotive Inventory, 2001 - 2010

TAHUN Year	LALUAN UTAMA Mainline										ENJIN LANGSIR Shunting				
	HIDRAULIK KELAS 21 Class 21 Hydraulic	KELAS Class 22	KELAS Class 23	KELAS Class 24	KELAS Class 25	KELAS Class 26	KELAS Class 29	RELKAR (RELBAS) Rail-Car (Rail-Bus)	SET EMU EMU Sets	JUMLAH Total	LETRIK KELAS 15 Class 15 Electric	HIDRAULIK KELAS 16/17 Class 16/17 Hydraulic	LETRIK KELAS 18 Class 18 Electric	LETRIK KELAS 19 Class 19 Electric	JUMLAH Total
2001	-	11.0	15.0	26.0	12.0	-	-	-	60.0	124.0	-	-	10.0	10.0	20.0
2002	-	11.0	15.0	26.0	17.0	-	-	-	60.0	129.0	-	-	8.0	10.0	18.0
2003	-	10.0	15.0	26.0	17.0	12.0	-	-	60.0	140.0	-	-	8.0	10.0	18.0
2004	-	10.0	15.0	26.0	17.0	20.0	-	-	58.0	146.0	-	-	8.0	10.0	18.0
2005	-	10.0	15.0	26.0	17.0	20.0	-	-	58.0	146.0	-	-	-	10.0	10.0
2006	-	5.0	11.0	20.0	17.0	20.0	-	-	53.0	126.0	-	-	-	10.0	10.0
2007	-	5.0	11.0	26.0	17.0	20.0	-	-	58.0	137.0	-	-	-	10.0	10.0
2008	-	5.0	11.0	21.0	17.0	20.0	-	-	54.0	128.0	-	-	-	10.0	10.0
2009	-	4.0	11.0	18.0	17.0	20.0	20.0	-	58.0	148.0	-	-	-	10.0	10.0
2010	-	-	7.0	18.0	17.0	20.0	20.0	-	58.0	140.0	-	-	-	10.0	10.0

Sumber / Source : Keretapi Tanah Melayu Berhad (KTMB)



JADUAL 2.7 : DAFTAR KOC PENUMPANG, 2001 - 2010
Table 2.7 : Passenger Coaches Inventory, 2001 - 2010

TAHUN Year	PERJALANAN SIANG <i>Day Travel</i>				PERJALANAN MALAM/SIANG <i>Night/Day Travel</i>				LAIN-LAIN <i>Others</i>				JUMLAH <i>Total</i>			
	BILANGAN KOC <i>Number of Coaches</i>	JUMLAH TEMPAT DUDUK <i>Number of Seats</i>			BILANGAN KOC <i>Number of Coaches</i>	JUMLAH TEMPAT DUDUK <i>Number of Seats</i>			BILANGAN KOC <i>Number of Coaches</i>	JUMLAH TEMPAT DUDUK <i>Number of Seats</i>			BILANGAN KOC <i>Number of Coaches</i>	JUMLAH TEMPAT DUDUK <i>Number of Seats</i>		
		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
2001	154	360	3,848	1,348	54	264	1,600	-	-	-	-	-	208	624	5,448	1,348
2002	153	360	3,848	4,930	54	200	1,600	-	-	-	-	-	207	560	5,448	4,930
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

Sumber / Source : Keretapi Tanah Melayu Berhad (KTMB)



JADUAL 2.8 : DAFTAR GERABAK BARANG, 2001 - 2010

Table 2.8 : Freight Wagon Inventory, 2001 - 2010

TAHUN Year	GERABAK TERTUTUP Covered Wagons	GERABAK TEBING TINGGI High Side Wagons	GERABAK TEBING RENDAH Low Side Wagons	GERABAK TANGKI <i>Tank Wagons</i>				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				
2001	340	-	216	340	-	-	12	1,561	2	1,063	3,534
2002	299	2	236	303	-	-	12	1,813	4	1,063	3,732
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

Sumber / Source : Keretapi Tanah Melayu Berhad (KTMB)



JADUAL 2.9 : BILANGAN PENUMPANG BAGI PERKHIDMATAN SISTEM ALIRAN RINGAN, 2001 - 2010

Table 2.9 : Number of Passengers for Light Rail Transit (LRT) Services, 2001 - 2010

JENIS PERKHIDMATAN <i>Type of Services</i>	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
LALUAN KELANA JAYA	52,478,951	54,423,246	50,254,365	57,729,971	60,290,467	56,747,136	56,965,258	58,168,337	55,580,190	58,037,633
LALUAN AMPANG	32,412,191	33,471,344	41,159,817	43,535,471	45,636,997	49,727,909	52,434,883	51,009,480	49,375,077	51,572,177
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
KLIA EKSPRES	*	1,048,201	1,697,574	1,912,340	1,604,404	1,838,723	1,780,384	1,578,706	1,419,827	1,508,734
KLIA TRANSIT	*	187,848	970,598	1,734,614	1,829,224	2,369,763	2,449,842	2,508,886	2,441,739	2,626,119

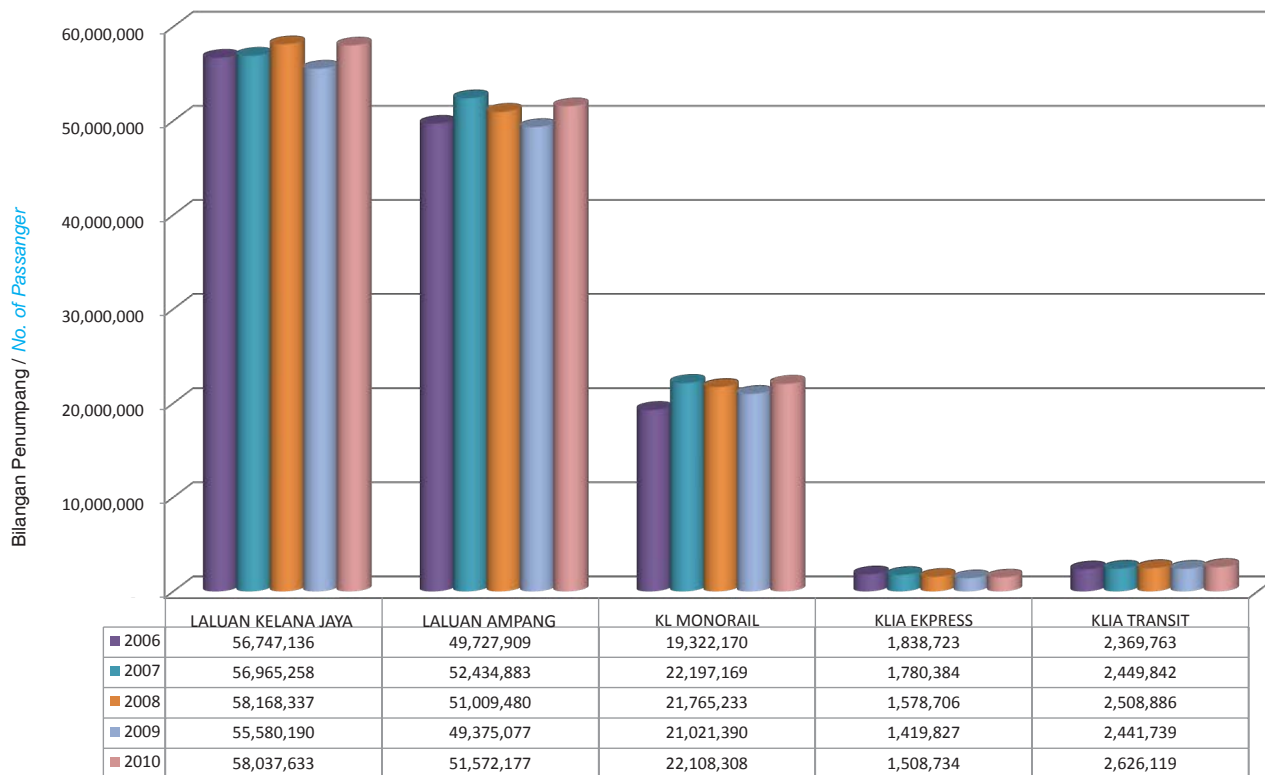
Nota / *Note* : * Perkhidmatan belum dijalankan / *Service not yet rendered*

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



CARTA 2.4 : BILANGAN PENUMPANG BAGI PERKHIDMATAN SISTEM ALIRAN RINGAN, 2006-2010

Chart 2.4 : Number of Passengers for Light Rail Transit (LRT) Services, 2006-2010







Maritime Transport

PENGANGKUTAN MARITIM



JADUAL 3.1 : JUMLAH KARGO YANG DIKENDALIKAN MENGIKUT PELABUHAN, MALAYSIA, 2001 - 2010

Table 3.1 : Total Cargo Throughput by Ports, Malaysia, 2001 - 2010

(* '000) FREIGHTWEIGHT TONNES

BIL No	PELABUHAN Ports		2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	
1	KELANG	EKSPORT <i>Export</i>	29,663	33,080	36,305	41,068	46,624	56,330	62,730	70,343	65,262	78,983	
		IMPORT <i>Import</i>	40,487	49,191	52,583	58,843	63,035	65,674	72,784	82,005	72,353	91,773	
		PINDAH KAPAL <i>Trans-shipment</i>	-	-	-	-	-	-	-	-	-	-	73
		JUMLAH Total	70,150	82,271	88,888	99,911	109,659	122,004	135,514	152,348	137,615	170,756	
2	PULAU PINANG	EKSPORT <i>Export</i>	8,988	9,440	9,908	10,510	10,664	9,526	12,524	10,707	10,531	12,434	
		IMPORT <i>Import</i>	11,465	12,360	12,482	12,905	12,899	13,371	14,698	14,967	13,251	15,861	
		PINDAH KAPAL <i>Trans-shipment</i>	3	4	5	5	3	-	269	325	496	551	
		JUMLAH Total	20,456	21,804	22,395	23,420	23,566	22,897	27,491	25,999	24,278	28,846	
3	JOHOR	EKSPORT <i>Export</i>	13,372	13,982	13,508	15,557	13,779	13,305	11,289	14,211	11,601	11,585	
		IMPORT <i>Import</i>	13,934	15,037	14,270	15,647	14,789	14,162	17,553	15,561	13,633	16,544	
		PINDAH KAPAL <i>Trans-shipment</i>	-	-	-	-	-	-	-	-	-	-	-
		JUMLAH Total	27,306	29,019	27,778	31,204	28,568	27,467	28,842	29,772	25,234	28,129	
4	KUANTAN	EKSPORT <i>Export</i>	3,864	4,487	4,899	5,029	5,061	6,555	6,188	5,574	6,835	8,050	
		IMPORT <i>Import</i>	3,668	4,512	4,905	4,670	4,350	4,118	3,877	3,831	3,438	4,030	
		PINDAH KAPAL <i>Trans-shipment</i>	-	-	-	-	-	-	-	-	-	-	-
		JUMLAH Total	7,532	8,999	9,804	9,699	9,411	10,673	10,065	9,405	10,273	12,079	
5	BINTULU	EKSPORT <i>Export</i>	22,775	22,803	26,110	30,402	32,580	31,731	31,255	34,724	33,302	34,777	
		IMPORT <i>Import</i>	2,435	2,789	2,867	3,221	2,516	2,755	2,833	3,446	3,128	3,854	
		PINDAH KAPAL <i>Trans-shipment</i>	-	-	-	-	1,345	2,020	4,497	2,301	2,014	1,995	
		JUMLAH Total	25,210	25,592	28,977	33,623	36,441	36,506	38,585	40,471	38,444	40,625	

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



JADUAL 3.1 : JUMLAH KARGO YANG DIKENDALIKAN MENGIKUT PELABUHAN, MALAYSIA, 2001 - 2010 (Samb.)

Table 3.1 : Total Cargo Throughput by Ports, Malaysia, 2001 - 2010 (Cont'd)

(' 000) FREIGHTWEIGHT TONNES

BIL No	PELABUHAN Ports		2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	
6	TANJUNG BRUAS	EKSPORT <i>Export</i>	28	52	90	21	8	7	-	14	25	37	
		IMPORT <i>Import</i>	651	656	618	723	442	399	606	543	437	414	
		PINDAH KAPAL <i>Trans-shipment</i>	-	-	-	-	-	-	-	-	-	-	-
		JUMLAH Total	679	708	708	744	450	406	606	557	463	451	
7	KUCHING	EKSPORT <i>Export</i>	1,485	1,611	1,659	1,984	1,979	1,977	2,343	2,136	1,815	2,144	
		IMPORT <i>Import</i>	3,883	4,372	5,151	5,107	5,488	5,204	5,272	5,347	5,077	6,069	
		PINDAH KAPAL <i>Trans-shipment</i>	-	-	-	36	22	22	32	68	-	-	
		JUMLAH Total	5,368	5,983	6,810	7,127	7,489	7,203	7,647	7,551	6,892	8,213	
8	MIRI	EKSPORT <i>Export</i>	5,301	5,253	5,643	4,868	4,589	5,246	6,318	6,155	5,028	5,410	
		IMPORT <i>Import</i>	512	439	524	460	457	369	521	684	605	746	
		PINDAH KAPAL <i>Trans-shipment</i>	-	-	-	-	-	-	-	-	-	-	
		JUMLAH Total	5,813	5,692	6,167	5,328	5,046	5,615	6,839	6,839	5,633	6,156	
9	RAJANG	EKSPORT <i>Export</i>	3,888	3,528	3,410	3,372	3,376	3,476	3,433	3,404	3,191	3,506	
		IMPORT <i>Import</i>	1,164	1,163	1,249	1,289	1,347	1,357	1,540	1,604	1,546	1,680	
		PINDAH KAPAL <i>Trans-shipment</i>	-	-	-	-	-	-	-	-	-	-	
		JUMLAH Total	5,052	4,691	4,659	4,661	4,723	4,833	4,973	5,008	4,737	5,186	
10	SABAH	EKSPORT <i>Export</i>	10,482	11,191	12,673	14,147	15,857	16,902	16,493	16,493	14,095	14,963	
		IMPORT <i>Import</i>	7,347	7,827	9,388	10,499	10,317	11,238	12,660	12,660	10,675	13,426	
		PINDAH KAPAL <i>Trans-shipment</i>	-	-	-	-	-	-	-	-	-	-	
		JUMLAH Total	17,829	19,018	22,061	24,646	26,174	28,140	29,153	29,153	24,770	28,389	

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



JADUAL 3.1 : JUMLAH KARGO YANG DIKENDALIKAN MENGIKUT PELABUHAN, MALAYSIA, 2001 - 2010 (Samb.)

Table 3.1 : Total Cargo Throughput by Ports, Malaysia, 2001 - 2010 (Cont'd)

('000) FREIGHTWEIGHT TONNES

BIL No	PELABUHAN Ports		2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	
11	PORT DICKSON	EKSPORT <i>Export</i>	3,343	3,510	4,548	3,611	3,293	6,797	4,302	3,047	3,072	2,372	
		IMPORT <i>Import</i>	9,499	9,085	8,574	11,031	8,808	5,250	8,493	8,810	10,976	10,285	
		PINDAH KAPAL <i>Trans-shipment</i>	-	-	-	-	-	-	-	-	-	-	-
		JUMLAH Total	12,842	12,595	13,122	14,642	12,101	12,047	12,795	11,857	14,048	12,657	
12	KEMAMAN	EKSPORT <i>Export</i>	908	883	1,272	1,502	1,421	1,141	1,806	1,713	1,834	1,944	
		IMPORT <i>Import</i>	1,146	597	1,716	1,856	1,599	2,147	1,992	2,200	1,889	2,364	
		PINDAH KAPAL <i>Trans-shipment</i>	-	-	-	-	-	-	-	-	-	-	-
		JUMLAH Total	2,054	1,480	2,988	3,358	3,020	3,288	3,798	3,913	3,723	4,308	
13	TELUK EWA	EKSPORT <i>Export</i>	3,087	2,971	3,091	2,986	3,046	3,185	3,208	3,379	3,381	3,223	
		IMPORT <i>Import</i>	502	516	535	610	537	573	555	744	637	729	
		PINDAH KAPAL <i>Trans-shipment</i>	-	-	-	-	-	-	-	-	-	-	-
		JUMLAH Total	3,589	3,487	3,626	3,596	3,583	3,758	3,763	4,123	4,019	3,952	
14	TANJUNG PELEPAS	EKSPORT <i>Export</i>	799	1,366	1,879	2,252	2,537	2,854	2,926	3,349	3,322	3,587	
		IMPORT <i>Import</i>	392	481	542	638	627	728	754	1,378	1,312	1,224	
		PINDAH KAPAL <i>Trans-shipment</i>	27,857	37,048	47,413	54,188	56,357	65,194	80,009	83,212	85,813	92,845	
		JUMLAH Total	29,048	38,895	49,834	57,078	59,521	68,776	83,689	87,939	90,447	97,656	
JUMLAH BESAR GRAND TOTAL	EKSPORT <i>Export</i>	107,983	114,157	124,995	137,309	144,814	159,032	164,815	175,249	163,295	183,014		
	IMPORT <i>Import</i>	97,085	109,025	115,404	127,499	127,211	127,345	144,138	153,780	138,957	168,999		
	PINDAH KAPAL <i>Trans-shipment</i>	27,860	37,052	47,418	54,229	57,727	67,236	84,807	85,906	88,323	95,465		
	JUMLAH Total	232,928	260,234	287,817	319,037	329,752	353,613	393,760	414,935	390,576	447,477		

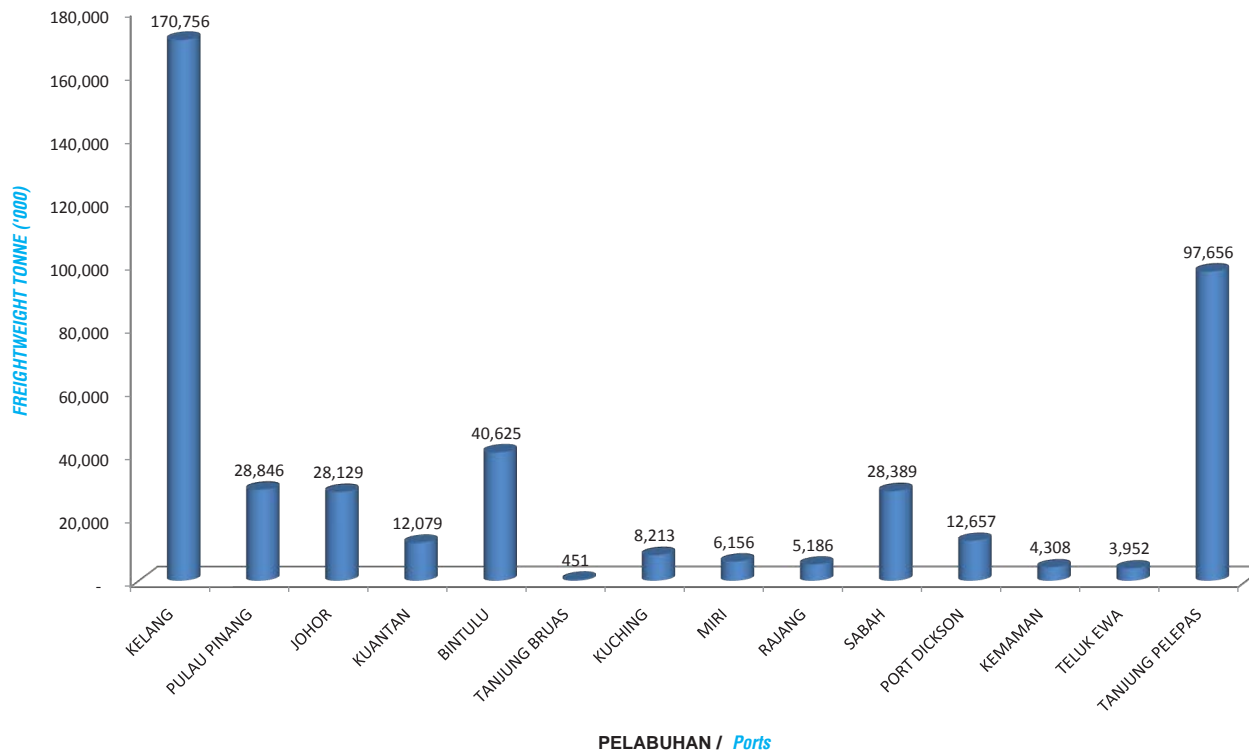
SUMBER : SEMUA PELABUHAN DAN JABATAN LAUT

Source : All Ports and Marine Department



CARTA 3.1 : JUMLAH KARGO YANG DIKENDALIKAN MENGIKUT PELABUHAN, MALAYSIA, 2010

Chart 3.1 : Total Cargo Throughput by Ports, Malaysia, 2010





JADUAL 3.2 : JUMLAH KARGO YANG DIKENDALIKAN MENGIKUT PELABUHAN DAN JENIS, MALAYSIA, 2010
Table 3.2 : Total Cargo Throughput by Ports and Type, Malaysia, 2010

(' 000) FREIGHTWEIGHT TONNES

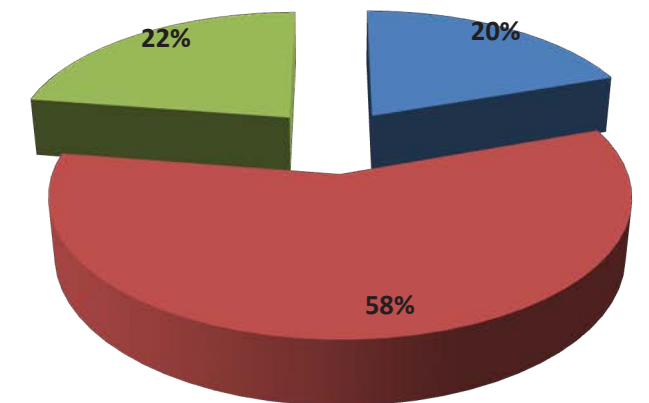
PELABUHAN <i>Ports</i>	PUKAL KERING <i>Dry Bulk</i>		PUKAL CECAIR <i>Liquid Bulk</i>		CARGO AM <i>General Cargo</i>		JUMLAH <i>Total</i>	KARGO DI DALAM KONTENA <i>Containerised Cargo</i>	JUMLAH BESAR <i>Grand Total</i>
	PERDAGANGAN LUAR NEGERI <i>Foreign Trade</i>	PERDAGANGAN DALAM NEGERI <i>Local Trade</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	8,010	779	4,503	1,880	5,268	3,306	23,746	147,083	170,829
PULAU PINANG	337	3,406	646	3,917	1,270	674	10,250	18,596	28,846
JOHOR	5,347	479	10,172	938	975	315	18,226	9,903	28,129
KUANTAN	4,445	15	3,752	730	1,125	239	10,307	1,773	12,079
BINTULU	1,911	278	27,410	3,762	2,599	481	36,297	4,183	40,625
TANJUNG BRUAS	89	-	6	15	342	-	451	-	451
KUCHING	511	14	614	332	842	1,092	3,406	4,807	8,213
MIRI	856	-	2,828	960	405	363	5,412	744	6,156
RAJANG	2,970	149	-	453	41	94	3,707	1,479	5,186
SABAH	n.a	n.a	n.a	n.a	n.a	n.a	n.a	6,526	28,389
PORT DICKSON	2,866	-	5,845	3,946	-	-	12,657	-	12,657
KEMAMAN	1,117	-	2,629	139	316	106	4,308	-	4,308
TELOK EWA	3,223	675	-	54	-	-	3,952	-	3,952
TANJUNG PELEPAS	-	-	-	-	-	-	-	97,656	97,656
JUMLAH <i>Total</i>	31,683	5,795	58,405	17,127	13,183	6,671	132,719	292,750	447,477

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



CARTA 3.2 : PERATUS KENDALIAN KARGO UNTUK PERDAGANGAN DALAM NEGERI, 2010

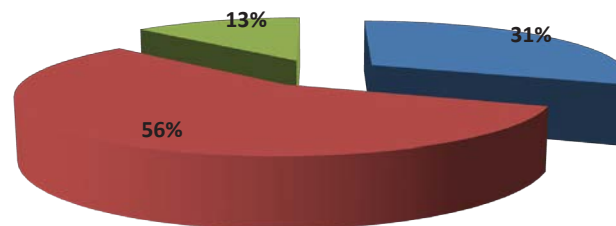
Chart 3.2 : Percentage of Cargo Handling for Local Trade, 2010



■ PUKAL KERING / *Dry Bulk* ■ PUKAL CECAIR / *Liquid Bulk* ■ CARGO AM / *General Cargo*

CARTA 3.3 : PERATUS KENDALIAN KARGO UNTUK PERDAGANGAN LUAR NEGERI, 2010

Chart 3.3 : Percentage of Cargo Handling for Foreign Trade, 2010



■ PUKAL KERING / *Dry Bulk* ■ PUKAL CECAIR / *Liquid Bulk* ■ CARGO AM / *General Cargo*



JADUAL 3.3 : BARANGAN YANG DIISI MENGIKUT PELABUHAN DAN JENIS, MALAYSIA, 2010

Table 3.3 : Commodities Loaded by Ports and Types, Malaysia, 2010

('000) FREIGHTWEIGHT TONNES

PELABUHAN Ports	MINYAK KELAPA SAWIT Palm Oil	BUANGAN ISI SAWIT Palm Kernel Waste	PETROLEUM & MINYAK PEMBAKAR Petroleum & Fuel Oil	GAS ASLI CECAIR Liquefied Natural Gas	GAS PETROLEUM CAIR Liquefied Petroleum Gas	KAYU KAYAN PROSES Processed Timber	KAYU BALAK Logs	BIJIRIN Grains / Cereals	BESI / BESI WAJA Iron / Steel	BAHAN KIMIA / BAJA Chemical / Fertilizer	GETAH & SUSU GETAH Rubber & Latex	SIMEN / KLINKER Cement / Clinker	BIJIH & GALIAN Ore & Mineral	LAIN - LAIN Others	JUMLAH Total
KELANG	1,959	318	22	2	29	17	59	71	638	225	10	26	149	75,487	79,012
PULAU PINANG	388	1	-	-	-	682	-	-	773	402	1,632	-	-	8,555	12,434
JOHOR	3,450	414	1,095	-	-	-	-	-	85	318	-	-	-	6,223	11,585
KUANTAN	1,507	163	12	-	-	99	-	-	459	901	-	-	2,770	2,139	8,050
BINTULU	2,225	299	4,087	23,415	332	1,093	1,381	-	-	1	-	115	-	1,827	34,776
TANJUNG BRUAS	-	-	-	-	-	-	-	-	-	-	-	-	-	37	37
KUCHING	237	-	4	-	-	350	-	18	87	64	93	3	-	1,287	2,144
MIRI	9	-	3,601	-	-	422	857	-	6	-	-	-	-	515	5,410
RAJANG	9	4	29	-	-	1,744	1,330	-	-	-	4	-	-	386	3,506
SABAH	1,615	122	5	-	-	660	342	4	-	7	11	-	3,832	8,366	14,963
PORT DICKSON	-	-	2,320	-	52	-	-	-	-	-	-	-	-	-	2,371
KEMAMAN	-	-	252	-	782	-	-	-	254	-	-	-	69	588	1,944
TELOK EWA	-	-	-	-	-	-	-	-	-	-	-	3,223	-	-	3,223
TANJUNG PELEPAS	358	-	-	-	-	-	-	-	63	44	40	-	-	3,082	3,587
JUMLAH Total	11,757	1,321	11,428	23,417	1,194	5,067	3,969	93	2,365	1,962	1,790	3,367	6,819	108,492	183,041

SUMBER : SEMUA PELABUHAN DAN JABATAN LAUT

Source : All Ports and Marine Department



JADUAL 3.4 : BARANGAN YANG DIPUNGGAH MENGIKUT PELABUHAN DAN JENIS, MALAYSIA, 2010

Table 3.4 : Commodities Unloaded by Ports and Types, Malaysia, 2010

(’000) FREIGHTWEIGHT TONNES

PELABUHAN Ports	MINYAK KELAPA SAWIT Palm Oil	PETROLEUM & MINYAK PEMBAKAR Petroleum & Fuel Oil	BESI / BESI WAJA Iron / Steel	BIJIRIN Grains / Cereals	GULA Sugar	BAHAN KIMIA / BAJA Chemical / Fertilizer	MESIN / PERALATAN CKD Machinery / Component CKD	KERTAS Paper Reels	KAIN Textiles	SIMEN / KLINKER Cement / Clinker	MAKANAN PROSES Processed Foodstuff	LAIN - LAIN Others	JUMLAH Total
KELANG	1,358	1,501	2,005	1,307	294	825	92	17	-	162	128	84,127	91,816
PULAU PINANG	305	41	479	914	1,123	-	486	-	-	-	-	12,513	15,861
JOHOR	1,445	2,753	457	650	-	2,311	-	-	-	1,499	-	7,429	16,544
KUANTAN	185	1,132	687	-	-	1,055	-	-	-	-	-	971	4,030
BINTULU	48	1,011	-	-	-	550	-	-	-	499	-	1,746	3,854
TANJUNG BRUAS	-	-	301	52	-	-	-	-	-	-	-	61	414
KUCHING	-	684	436	481	158	235	125	67	25	158	499	3,200	6,069
MIRI	-	166	108	-	2	39	94	15	7	-	122	193	746
RAJANG	-	447	76	80	24	71	153	28	15	-	225	561	1,680
SABAH	287	575	20	86	18	537	38	3	-	138	26	11,698	13,426
PORT DICKSON	-	7,122	-	-	-	-	-	-	-	-	-	3,164	10,285
KEMAMAN	-	-	30	-	-	-	-	-	-	-	-	2,334	2,364
TELOK EWA	-	-	-	-	-	54	-	-	-	-	-	675	729
TANJUNG PELEPAS	-	-	295	-	-	36	-	26	16	-	281	570	1,224
JUMLAH Total	3,628	15,432	4,895	3,570	1,619	5,713	987	157	64	2,457	1,281	129,240	169,041

SUMBER : SEMUA PELABUHAN DAN JABATAN LAUT

Source : All Ports and Marine Department



JADUAL 3.5 : JUMLAH KONTENA YANG DIKENDALIKAN MENGIKUT PELABUHAN, MALAYSIA, 2001 - 2010

Table 3.5 : Total Container Throughput by Ports, Malaysia, 2001 - 2010

TEU

BIL No	PELABUHAN Ports		2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
1	KELANG	EKSPORT <i>Export</i>	1,846,532	2,232,561	2,373,299	1,234,229	1,276,661	1,387,625	1,474,193	1,598,544	1,478,354	1,718,845
		IMPORT <i>Import</i>	1,912,980	2,300,650	2,467,936	1,294,269	1,342,901	1,403,946	1,527,893	1,629,977	1,515,743	1,716,304
		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
		JUMLAH Total	3,759,512	4,533,211	4,841,235	5,243,593	5,543,527	6,346,295	7,118,714	7,973,579	7,309,779	8,871,745
2	PULAU PINANG	EKSPORT <i>Export</i>	315,263	337,082	362,411	403,938	372,576	422,216	488,254	487,049	450,999	532,936
		IMPORT <i>Import</i>	289,031	296,960	325,760	368,086	357,213	406,492	410,282	401,727	444,530	506,841
		PINDAH KAPAL <i>Trans-shipment</i>	-	-	-	-	65,500	21,022	27,455	28,855	62,947	66,321
		JUMLAH Total	604,294	634,042	688,171	772,024	795,289	849,730	925,991	917,631	958,476	1,106,098
3	JOHOR	EKSPORT <i>Export</i>	412,111	407,900	454,426	497,228	382,675	410,422	421,045	400,849	367,368	394,192
		IMPORT <i>Import</i>	226,607	275,916	296,040	308,461	323,331	335,335	363,672	374,281	334,140	371,463
		PINDAH KAPAL <i>Trans-shipment</i>	-	-	-	-	136,297	134,854	142,567	159,637	143,348	110,613
		JUMLAH Total	638,718	683,816	750,466	805,689	842,303	880,611	927,284	934,767	844,856	876,268
4	KUANTAN	EKSPORT <i>Export</i>	38,946	46,865	55,476	62,072	61,842	64,167	65,577	64,545	66,567	72,850
		IMPORT <i>Import</i>	37,393	44,659	52,632	59,760	55,975	59,581	61,892	61,936	65,351	69,134
		PINDAH KAPAL <i>Trans-shipment</i>	-	-	-	913	1,250	1,086	131	580	334	96
		JUMLAH Total	76,339	91,524	108,108	122,745	119,067	124,834	127,600	127,061	132,252	142,080
5	BINTULU	EKSPORT <i>Export</i>	33,140	51,143	22,913	31,240	34,241	44,366	62,320	78,645	68,926	74,600
		IMPORT <i>Import</i>	32,999	52,938	18,648	27,380	29,688	37,398	50,050	72,839	66,830	73,127
		PINDAH KAPAL <i>Trans-shipment</i>	-	-	104,100	85,163	83,891	117,940	139,430	138,683	112,634	103,569
		JUMLAH Total	66,139	104,081	145,661	143,783	147,820	199,704	251,800	290,167	248,390	251,296

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, 2001 - 2010 (Samb.)

Table 3.5 : Total Container Throughput by Ports, Malaysia, 2001 - 2010 (Cont'd)

TEU

BIL No	PELABUHAN Ports		2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
6	KUCHING	EKSPORT <i>Export</i>	53,964	56,631	67,356	68,509	68,799	73,524	78,325	82,235	76,753	92,458
		IMPORT <i>Import</i>	55,755	60,401	71,643	71,720	73,703	78,022	84,143	87,836	82,677	94,631
		PINDAH KAPAL <i>Trans-shipment</i>	-	-	-	998	594	848	870	1,872	1,661	3,553
		JUMLAH <i>Total</i>	109,719	117,032	138,999	141,227	143,096	152,394	163,338	171,943	161,091	190,642
7	MIRI	EKSPORT <i>Export</i>	4,634	5,826	6,373	7,217	7,442	9,001	10,405	13,555	12,095	14,599
		IMPORT <i>Import</i>	4,748	6,215	6,927	7,185	7,381	7,836	10,754	14,530	13,007	15,174
		PINDAH KAPAL <i>Trans-shipment</i>	-	-	-	-	-	-	-	-	-	-
		JUMLAH <i>Total</i>	9,382	12,041	13,300	14,402	14,823	16,837	21,159	28,085	25,102	29,773
8	RAJANG	EKSPORT <i>Export</i>	19,336	22,669	25,454	26,477	26,799	26,652	32,823	37,698	31,679	39,278
		IMPORT <i>Import</i>	19,215	22,239	25,385	27,263	27,578	27,089	33,085	36,622	34,531	41,055
		PINDAH KAPAL <i>Trans-shipment</i>	-	-	-	-	-	-	-	-	-	-
		JUMLAH <i>Total</i>	38,551	44,908	50,839	53,740	54,377	53,741	65,908	74,320	66,210	80,333
9	SABAH	EKSPORT <i>Export</i>	-	-	-	104,289	103,167	112,890	130,172	145,789	137,026	162,634
		IMPORT <i>Import</i>	-	-	-	103,809	105,321	114,194	133,035	146,899	140,879	164,192
		PINDAH KAPAL <i>Trans-shipment</i>	-	-	-	-	-	-	8,264	-	-	-
		JUMLAH <i>Total</i>	-	-	-	208,098	208,488	227,084	271,471	292,688	277,905	326,826
10	TANJUNG PELEPAS	EKSPORT <i>Export</i>	-	2,615,405	104,658	125,615	151,202	161,878	173,759	214,404	190,953	208,210
		IMPORT <i>Import</i>	-	53,107	43,594	42,194	40,457	44,528	51,574	97,383	105,655	102,457
		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
		JUMLAH <i>Total</i>	-	2,668,512	3,316,954	3,835,970	4,177,123	4,637,418	5,297,631	5,466,191	5,835,085	6,298,733
JUMLAH BESAR GRAND TOTAL	EKSPORT <i>Export</i>	2,723,926	5,776,082	3,472,366	2,560,814	2,485,404	2,712,741	2,936,873	3,123,313	2,880,720	3,310,602	
	IMPORT <i>Import</i>	2,578,728	3,113,085	3,308,565	2,310,127	2,363,548	2,514,421	2,726,380	2,924,030	2,803,343	3,154,378	
	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	
	JUMLAH <i>Total</i>	5,302,654	8,889,167	10,053,733	11,341,271	12,045,913	13,488,648	15,170,896	16,276,432	15,859,146	18,173,794	

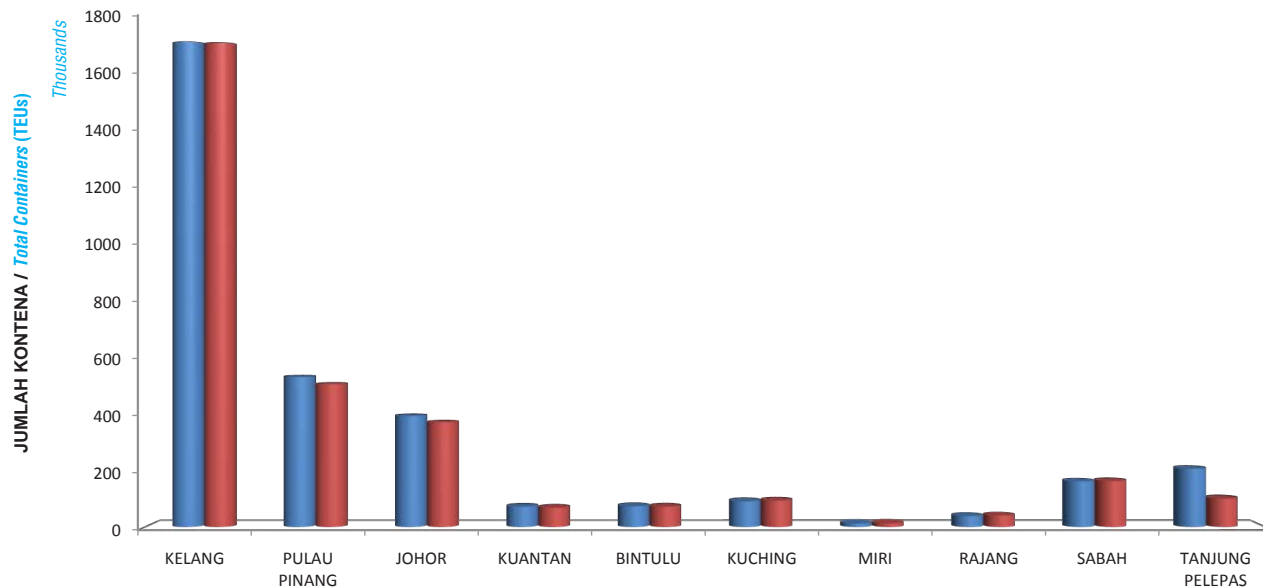
SUMBER : SEMUA PELABUHAN DAN JABATAN LAUT

Source : All Ports and Marine Department

TEU : Twenty - Foot Equivalent Unit



CARTA 3.4 : PENGENDALIAN IMPORT DAN EKSPORT KONTENA MENGIKUT PELABUHAN, MALAYSIA, 2010
Chart 3.4 : Handling of Import and Export Container by Ports, Malaysia, 2010



	KELANG	PULAU PINANG	JOHOR	KUANTAN	BINTULU	KUCHING	MIRI	RAJANG	SABAH	TANJUNG PELEPAS
■ EKSPORT Export	1718845	532936	394192	72850	74600	92458	14599	39278	162634	208210
■ IMPORT Import	1716304	506841	371463	69134	73127	94631	15174	41055	164192	102457



JADUAL 3.6 : JUMLAH KAPAL YANG BERLABUH MENGIKUT PELABUHAN, MALAYSIA, 2001 - 2010
Table 3.6 : Total Number of Ships Calling by Ports, Malaysia, 2001 - 2010

PELABUHAN Ports		2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
KELANG	BIL / No	14,207	15,313	16,251	15,150	15,050	16,404	17,149	16,864	15,356	17,910
	GRT (' 000)	176,908	198,095	222,097	223,661	235,037	259,094	297,671	306,682	236,891	363,322
PULAU PINANG	BIL / No	8,906	7,328	6,419	6,804	6,220	6,177	6,036	5,779	5,559	6,136
	GRT (' 000)	29,321	29,142	29,943	33,096	35,938	38,311	48,843	37,068	42,411	60,978
JOHOR	BIL / No	6,242	6,631	6,877	6,526	6,138	6,337	6,004	5,823	5,121	4,882
	GRT (' 000)	40,929	35,688	27,840	28,705	28,910	26,916	23,637	41,037	41,348	38,177
KUANTAN	BIL / No	1,855	2,067	2,280	2,382	2,195	2,324	2,375	2,315	2,447	2,405
	GRT (' 000)	14,716	15,959	17,360	15,968	15,558	17,617	15,959	15,432	18,049	19,274
BINTULU	BIL / No	4,375	5,019	4,825	5,617	5,789	6,024	6,007	7,015	7,514	7,601
	GRT (' 000)	42,416	43,328	46,237	53,676	57,406	57,616	60,111	60,384	58,668	61,563
TANJUNG BRUAS	BIL / No	169	208	162	183	149	119	159	147	115	104
	GRT (' 000)	626	1,726	614	620	409	196	571	508	406	383
KUCHING	BIL / No	2,205	2,393	2,920	2,180	3,252	3,022	2,669	2,190	1,899	2,111
	GRT (' 000)	7,629	9,395	9,302	8,514	9,480	9,804	9,327	8,666	8,444	9,716
MIRI	BIL / No	1,115	1,071	1,789	2,312	3,120	2,504	1,643	1,690	1,637	1,645
	GRT (' 000)	8,590	8,433	8,399	7,752	8,136	8,455	9,005	8,691	8,387	7,720
RAJANG	BIL / No	2,386	2,229	2,090	2,006	1,996	1,881	1,727	1,692	1,690	1,821
	GRT (' 000)	9,454	9,178	8,416	8,138	8,452	8,280	7,179	6,797	6,918	6,990
SABAH	BIL / No	11,687	12,095	13,993	15,006	14,940	15,505	14,456	13,540	13,227	13,125
	GRT (' 000)	31,624	33,438	34,630	34,835	36,350	37,063	35,181	35,265	33,840	33,336
PORT DICKSON	BIL / No	1,152	1,076	1,103	1,278	1,126	1,000	1,628	1,282	1,028	892
	GRT (' 000)	8,924	9,316	9,810	9,970	9,218	9,500	12,591	11,640	11,560	11,203
KEMAMAN	BIL / No	266	317	363	337	319	272	374	344	391	553
	GRT (' 000)	2,089	2,013	2,983	3,309	3,099	1,666	3,905	3,966	3,757	4,240
TELUK EWA	BIL / No	32	360	368	381	535	563	597	637	633	595
	GRT (' 000)	210	2,423	2,440	2,402	2,438	2,509	2,509	2,592	3,028	2,653
TANJUNG PELEPAS	BIL / No	2,283	3,483	3,148	3,193	3,128	3,261	3,747	3,760	3,776	4,162
	GRT (' 000)	18,264	19,864	25,200	25,544	25,024	26,088	29,976	30,112	30,208	33,296
JUMLAH Total	BIL / No	56,880	59,590	62,588	63,355	63,957	65,393	64,571	63,078	60,393	63,942
	GRT (' 000)	391,700	417,998	445,271	456,190	475,455	503,115	556,465	568,840	503,915	652,852

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, 2010
Table 3.7 : Type of Ships Calling by Ports, Malaysia, 2010

PELABUHAN <i>Ports</i>	PERENTAS SAMUDERA <i>Foreign Going</i>							PERSIRAN <i>Coastal</i>						JUMLAH BESAR <i>Grand Total</i>
	KONTENA <i>Container</i>		KARGO AM <i>General Cargo</i>	TANKER CECAIR <i>Liquid Tankers</i>	PUKAL KERING <i>Dry Bulk</i>	LAIN - LAIN <i>Others</i>	JUMLAH <i>Total</i>	KONTENA <i>Container</i>	KARGO AM <i>General Cargo</i>	TANKER CECAIR <i>Liquid Tankers</i>	PUKAL KERING <i>Dry Bulk</i>	LAIN - LAIN <i>Others</i>	JUMLAH <i>Total</i>	
	INDUK <i>Main Line</i>	FEEDER <i>Feeder</i>												
KELANG	5,793	5,387	1,190	1,975	360	935	15,640	1,122	298	125	20	705	2,270	17,910
PULAU PINANG	-	-	796	796	163	1,543	3,298	1,604	38	246	1	949	2,838	6,136
JOHOR	1,581	-	426	1,750	330	-	4,087	670	96	26	3	-	795	4,882
KUANTAN	86	391	424	782	364	52	2,099	-	91	158	3	54	306	2,405
BINTULU	51	404	589	1,230	203	587	3,064	498	384	708	91	2,856	4,537	7,601
TANJUNG BRUAS	-	-	64	5	12	-	81	-	-	23	-	-	23	104
KUCHING	-	225	177	110	68	92	672	587	321	125	31	375	1,439	2,111
MIRI	-	-	319	49	176	-	544	160	812	129	-	-	1,101	1,645
RAJANG	-	5	3	-	734	-	742	568	144	249	118	-	1,079	1,821
SABAH	-	-	-	-	-	-	-	-	-	-	-	-	-	13,125
PORT DICKSON	-	-	-	509	67	-	576	-	-	238	-	78	316	892
KEMAMAN	-	-	54	417	34	-	505	-	1	9	38	-	48	553
TELOK EWA	-	-	-	-	299	88	387	-	-	24	69	115	208	595
TANJUNG PELEPAS	1,532	2,113	-	-	-	-	3,645	427	90	-	-	-	517	4,162
JUMLAH Total	9,043	8,525	4,042	7,623	2,810	3,297	35,340	5,636	2,275	2,060	374	5,132	15,477	63,942

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, 2006 - 2010

Table 3.8 : Number of Ships Registered in Malaysia by Type (New Classification) and Weight, Malaysia, 2006 - 2010

JENIS KAPAL Type of Ship	2006				2007				2008				2009				2010			
	BIL No.	GRT (' 000)	NRT (' 000)	DWT (' 000)	BIL No.	GRT (' 000)	NRT (' 000)	DWT (' 000)	BIL No.	GRT (' 000)	NRT (' 000)	DWT (' 000)	BIL No.	GRT (' 000)	NRT (' 000)	DWT (' 000)	BIL No.	GRT (' 000)	NRT (' 000)	DWT (' 000)
TANGKI MINYAK / Oil Tanker	7	71	36	121	27	929	570	1,728	26	230	136	409	5	172	116	322	17	67	28	93
KAPAL LNG, LPG / LNG, LPG Carrier	3	287	86	250	3	297	89	257	3	320	95	267	1	108	32	91	-	-	-	-
TANGKI KIMIA/PETROLEUM Chemical/Petroleum Tanker	-	-	-	-	4	17	8	18	13	65	30	84	4	24	11	35	14	249	94	368
KAPAL PUKAL, BIJIH, KAYU BALAK / Bulk, Grain, Ore, Log Carrier	1	13	7	20	3	31	19	5	4	35	21	188	-	-	-	-	2	37	23	63
KARGO AM, SEPARA KONTENA / General Cargo, Semi Container	5	19	10	11	17	17	10	6	18	18	8	6	5	3	2	4	5	21	11	30
KAPAL PENUMPANG, AM/ PENUMPANG / Passenger, General/Passenger Ship	10	2	1	-	9	9	4	-	8	1	1	-	19	1	1	-	7	2	1	0
RO-RO	1	9	3	3	-	-	-	-	-	-	-	-	-	-	-	-	1	39	12	14
KONTENA PENUH / Full Container	5	118	68	95	4	106	62	124	4	26	13	21	-	-	-	-	4	24	14	34
"ANCHOR HANDLING, STANDBY SUPPLY"	15	19	6	4	16	16	5	2	41	54	16	5	13	12	4	3	19	17	5	9
BARJ / Barge	63	123	37	44	95	151	47	17	100	174	56	17	33	82	26	48	44	79	24	24
"LANDING CRAFT"	8	6	2	-	10	12	4	7	7	4	1	-	7	4	1	2	8	4	1	1
"TUG BOAT"	69	15	4	1	83	16	5	1	95	19	6	2	33	7	2	2	43	9	3	1
"FISHING VESSEL"	33	3	1	-	29	5	2	-	9	1	1	-	2	0	0	-	2	0	0	-
"PLEASURE CRAFT"	3	0	0	-	4	-	-	-	1	-	0	-	-	-	-	-	-	-	-	-
KAPAL KERAJAAN / Government Ship	-	-	-	-	-	-	-	-	5	1	0	-	-	-	-	-	2	0	0	-
LAIN-LAIN / Others	47	152	64	104	91	467	271	706	121	352	152	332	30	113	47	136	101	267	124	332
JUMLAH / Total	270	838	325	653	395	2,073	1,096	2,871	455	1,300	536	1,329	152	526	241	643	269	816	339	968

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, 2006 - 2010

Table 3.9 : Total of Ships Registered in Malaysia by Type (New Classification) and Weight, Malaysia, 2006 - 2010

JENIS KAPAL Type of Ship	2006				2007				2008				2009				2010			
	BIL No.	GRT (' 000)	NRT (' 000)	DWT (' 000)	BIL No.	GRT (' 000)	NRT (' 000)	DWT (' 000)	BIL No.	GRT (' 000)	NRT (' 000)	DWT (' 000)	BIL No.	GRT (' 000)	NRT (' 000)	DWT (' 000)	BIL No.	GRT (' 000)	NRT (' 000)	DWT (' 000)
TANGKI MINYAK / Oil Tanker	172	1,733	992	2,964	193	2,645	1,552	4,670	197	2,417	1,424	4,244	205	2,572	1,522	4,552	193	2,318	1,374	4,100
KAPAL LNG, LPG / LNG, LPG Carrier	46	1,832	559	1,365	47	2,128	648	1,622	49	2,448	743	1,889	47	2,543	771	1,972	45	2,540	770	1,972
TANGKI KIMIA/PETROLEUM Chemical/Petroleum Tanker	27	506	222	786	30	518	227	797	41	537	227	796	52	680	293	1,007	51	793	318	1,172
KAPAL PUKAL, BIJIH, KAYU BALAK / Bulk, Grain, Ore, Log Carrier	23	389	223	632	23	388	224	582	23	373	215	703	21	346	203	514	15	229	137	354
KARGO AM, SEPARA KONTENA / General Cargo, Semi Container	485	601	330	230	505	614	338	233	508	594	325	232	512	619	338	404	478	554	301	221
KAPAL PENUMPANG, AM/ PENUMPANG / Passenger, General/Passenger Ship	357	47	17	4	340	55	21	5	331	54	21	4	332	55	21	4	319	54	21	4
RO-RO	13	91	30	34	11	72	24	27	11	72	24	27	10	61	20	23	10	75	24	26
KONTENA PENUH / Full Container	54	683	344	738	55	768	398	832	56	782	405	843	57	787	410	854	56	752	395	803
ANCHOR HANDLING, STANDBY SUPPLY	170	117	36	58	184	133	41	60	195	159	49	46	218	177	54	51	207	164	50	43
BARJ / Barge	1,293	1,188	484	699	1,383	1,311	522	693	1,403	1,360	538	650	1,441	1,474	572	729	1,362	1,249	440	447
LANDING CRAFT	82	34	12	6	91	45	15	13	95	49	16	13	103	53	17	16	108	56	18	16
TUG BOAT	817	113	31	6	888	126	35	6	926	134	38	8	966	145	41	10	904	134	37	12
FISHING VESSEL	50	8	2	2	69	11	4	2	76	12	4	2	89	15	5	2	57	10	3	2
PLEASURE CRAFT	52	3	2	-	55	3	2	-	53	3	1	-	52	3	2	0	49	3	1	0
KAPAL KERAJAAN / Government Ship	37	6	2	432	37	6	2	-	41	7	3	-	43	7	3	0	44	7	2	0
LAIN-LAIN / Others	292	650	255	470	380	1,099	508	1,175	447	1,267	571	1,256	529	1,657	747	1,455	568	1,597	726	1,703
JUMLAH / Total	3,970	8,001	3,541	8,426	4,291	9,922	4,561	10,717	4,452	10,268	4,604	10,713	4,677	11,194	5,017	11,594	4,466	10,532	4,617	10,875

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), 2006 - 2010

Table 3.10 : Total Number of Licenses Issued by Type of Cargo and Registration by Domestic Shipping Licensing Board (DSL B), 2006 - 2010

JENIS KARGO Type of Cargo	2006		2007		2008		2009		2010	
	DAFTARAN MALAYSIA Malaysian Registered	DAFTARAN ASING Foreign Registered	DAFTARAN MALAYSIA Malaysian Registered	DAFTARAN ASING Foreign Registered	DAFTARAN MALAYSIA Malaysian Registered	DAFTARAN ASING Foreign Registered	DAFTARAN MALAYSIA Malaysian Registered	DAFTARAN ASING Foreign Registered	DAFTARAN MALAYSIA Malaysian Registered	DAFTARAN ASING Foreign Registered
KARGO KERING <i>Dry Bulk</i>	788	88	852	158	899	104	864	45	821	28
KELAPA SAWIT <i>Palm Oil</i>	29	127	6	92	25	120	15	73	20	77
PETROLUUM / DIESEL <i>Petroleum / Diesel</i>	137	247	117	252	155	254	195	370	200	470
PENUMPANG <i>Passenger</i>	110	46	134	53	137	49	144	57	135	60
KONTENA <i>Container</i>	66	12	86	16	78	20	73	26	58	38
KIMIA <i>Chemical</i>	9	108	31	129	11	112	28	139	24	108
KHIDMAT TUNDA <i>Towing Services</i>	399	445	391	542	504	629	507	590	547	578
PERALATAN KERJA CARI GALI <i>Exploration Work Equipment</i>	34	200	22	137	36	382	100	417	153	557
KENDERAAN / RO-RO <i>Vehicle / Ro-ro</i>	13	0	6	1	6	0	10	0	10	0
BAHAN BINAAN <i>Construction Material</i>	46	47	46	122	39	146	45	163	83	220
KAYU BALAK <i>Log Wood</i>	221	1	240	0	242	0	235	0	250	0
SIMEN KLINKER <i>Clinker Cement</i>	1	40	0	49	1	58	0	41	0	59
LAIN - LAIN <i>Others</i>	107	497	160	581	188	377	142	324	106	308
JUMLAH <i>Total</i>	1,960	1,858	2,091	2,132	2,321	2,251	2,358	2,245	2,407	2,503

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), 2006-2010

Table 3.11 : Total Number of Licenses Issued by Type of License and Registration by Domestic Shipping Licensing Board (DSLБ), 2006 - 2010

JENIS LESEN Type of Licenses	2006		2007		2008		2009		2010	
	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>	234	0	202	2,132	221	2,251	205	2,245	211	2,503
BERSYARAT <i>Conditional</i>	1,623	0	1,663	0	1,804	0	1,874	0	1,886	0
TANPA SYARAT <i>Unconditional</i>	103	1,858	226	0	296	0	279	0	310	0
JUMLAH <i>Total</i>	1,960	1,858	2,091	2,132	2,321	2,251	2,358	2,245	2,407	2,503

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



Air Transport

PENGANGKUTAN UDARA



JADUAL 4.1 : KEMUDAHAN LAPANGAN TERBANG ANTARABANGSA, MALAYSIA, 2010

Table 4.1 : International Airport Facilities, Malaysia, 2010

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 BEROPERASI <i>Hours of Operation</i>	PENDARATAN PESAWAT TERBESAR <i>Biggest Aircraft Landed</i>	SISTEM PERHUBUNGAN & PEMALIHAN UDARA <i>Radio and Air Navigational Aids</i>
KLIA	CAT IX	412M X 60M (32R/14L) 4056X60M(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 59/F/B/X/U Flexible Pavement	2230 - 0600z	A380	ILS/LLZ/VOR/NDB/DME
PULAU PINANG	CAT IX	3352m X 45m	PCN 105F/B/X/U	24 hrs	B747	DVOR, LCTR
LANGKAWI	CAT VII	3810m X 45m	PCN 77F/C/W/T	2300 - 1500 UTC	B747	ILS/LLZ, DVOR GP/DME, NBD
KUCHING	CAT VII (required) & but CAT VIII (available)	3780 X 46m	PCN 59F/B/X/U	24 hrs	B747	LS/LLZ, GP/DME, NBD DVOR/DME
KOTA KINABALU	CAT VIII	3780 X 45m	PCN 59F/B/X/U	24 hrs	B747	ILS/DME, VOR/DME, LCTR

SUMBER / *Source* : MALAYSIA AIRPORTS HOLDINGS BERHAD



JADUAL 4.2 : KEMUDAHAN LAPANGAN TERBANG DALAM NEGERI, MALAYSIA, 2010

Table 4.2 : Domestic Airport Facilities, Malaysia, 2010

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 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>
ALOR SETAR	CAT VI	2745 m X 46 m	PCN 96/F/C/X/T	2230 1430 UTC	AIRBUS	DVOR/DME , NDB
KOTA BHARU	CAT VI	1981m X46 m	PCN 51/F/A/W/T	2200 - 1530 UTC	AIRBUS	NDB,DVOR/DME
KUANTAN	CAT VII	2804 m X 46 m	LCN 48	2230 - 1230 UTC	AIRBUS	GP/DME, VOR/TACAN, ILS/LLZ
KERTEH	n.a	n.a	n.a	n.a	n.a	n.a
IPOH	CAT VI	1798m X 37 m	LCN 66	2300 - 1300 UTC	B737	VOR/DME , ILS/LLZ, GP/DME,L
MELAKA	CAT IV	1800 m X 37 m	LCN 42	2300 - 1100 UTC	A320	NDB , DVOR/DME,L
KUALA TERENGGANU	CAT IX	3480m X45m	PCN 75	2300 - 1400 UTC	B747(HAJ FLT)	DVOR / DME , LCTR, ILS
SUBANG	CAT VII	3780 m x 45m	PCN 59/F/B/X/U	24 HOURS	B747	ILS/LLZ,GP/DME,L,NDB DVOR/DME
PULAU PANGKOR	Fire ext.	792 X 30m	n.a	0001 - 0900 UTC	DASH 7(48 seater)	n.a
PULAU TIOMAN	Fire ext.	992 X30m	n.a	0900-1700	DASH 7(48 seater)	n.a
PULAU REDANG	Fire ext.	1000X 30m	PCN14/F/C/Y/T	Sunset to Sunrise	DASH 7(48 seater)	n.a
BINTULU	CAT VI	2745 m X 60 m	PCN 79/F/C/X/T	2200 - 1400 UTC	B747,AIRBUS	ILS/LLZ,GP/DME,DVOR, DVOR/ME, NDB
MIRI	CAT VI	2745m X 60m	PCN 79/F/C/X/T	2200 - 1500 UTC	AIRBUS,B747(landing only)	ILS/LLZ,GP/DME, DVOR.
SIBU	CAT VI	1981m X 45 m	PCN 32 F / B / X / T	2230 - 1330 UTC	B734	ILS/DME , VOR/DME,NDB
LAHAD DATU	CAT IV	1371m X 30 m	LCN 20	0000 - 0900 UTC	F50	LCTR
LABUAN	CAT VII	2745m X 60 m	PCN 56F/B/X/U	2300 - 1430 UTC	A330	NVOR/LCTR,ILS
SANDAKAN	CAT VI	2133 m X 46 m	LCN 90	2200 - 1400 UTC	AIRBUS	ILS/LLZ,GP/DME,NDB, DVOR/DME
TAUAW	CAT VI	2683 m X 45m	PCN 69/F / C / W / T	2300 - 1400 UTC	AIRBUS	DVOR/ DME/NDB / LOCALIZER
MULU	Portable Form type fire extr.	1450m X 30m	n.a	Dawn to 1600	F50	n.a
LIMBANG	CAT V	1500m X30m	PCN15/F/C/W/T	2230 - 1030 UTC	F50	DVOR /DME

SUMBER / Source : MALAYSIA AIRPORTS HOLDINGS BERHAD



JADUAL 4.3 : KEMUDAHAN PADANG TERBANG , MALAYSIA , 2010
Table 4.3 : Airstrips Facilities, Malaysia, 2010

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
ULU BERNAM	n.a	n.a	n.a	n.a	n.a
JENDERATA	n.a	n.a	n.a	n.a	n.a
SARAWAK					
BARIO	670 X 23	n.a	0800-1700	DHC-6 T/ Otter	n.a
LAWAS	578 X18	n.a	0630-1830	DHC-6 T/ Otter	n.a
BAKELALAN	762 X 23	n.a	0630-1830	DHC-6 T/ Otter	n.a
LONG LELLANG	762 X 23	n.a	0800-1700	DHC-6 T/ Otter	n.a
LONG SERIDAN	457X17	n.a	0800-1700	DHC-6 T/ Otter	n.a
LONG BANGA	550 X 18	n.a	0800-1700	DHC-6 T/ Otter	n.a
MARUDI	914 X 24	n.a	0630-1830	DHC-6 T/ Otter	n.a
MUKAH	1097 X 23	n.a	0630-1830	DHC-6 T/ Otter	n.a
LONG AKAH	914 X 24	n.a	0630-1830	DHC-6 T/ Otter	n.a
BELAGA	427 X 18	n.a	Ceased operation	n.a	n.a
KAPIT	427 X 18	n.a	Ceased operation	n.a	n.a
LONG SEMADO	549 X23	n.a	Ceased operation	n.a	n.a

SUMBER / Source : MALAYSIA AIRPORTS HOLDINGS BERHAD



JADUAL 4.3 : KEMUDAHAN PADANG TERBANG , MALAYSIA, 2010 (Samb.)

Table 4.3 : Airstrips Facilities, Malaysia, 2010 (Cont'd)

LAPANGAN TERBANG <i>Airport</i>	PANJANG / LEBAR LANDASAN <i>Runway Length / Width (m)</i>	KEUPAYAAN LANDASAN <i>Load Classification Number</i>	WAKTU BEROPERASI <i>Hours of Operation</i>	PENDARATAN PESAWAT TERBESAR <i>Biggest Aircraft Landed</i>	SISTEM PERHUBUNGAN & PEMALIMAN UDARA <i>Radio and Air Navigational Aids</i>
SABAH					
KUDAT	730 X 18	n.a	0630-1830	DHC-6 T/ Otter	n.a
SEMPORNA	609 X 24	n.a	Ceased operation	n.a	n.a
LONG PASIA	610 X23	n.a	Ceased operation	n.a	n.a
PAMOL	n.a	n.a	n.a	n.a	n.a
RANAU	n.a	n.a	n.a	n.a	n.a
KENINGAU	n.a	n.a	n.a	n.a	n.a
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, 2001 - 2010

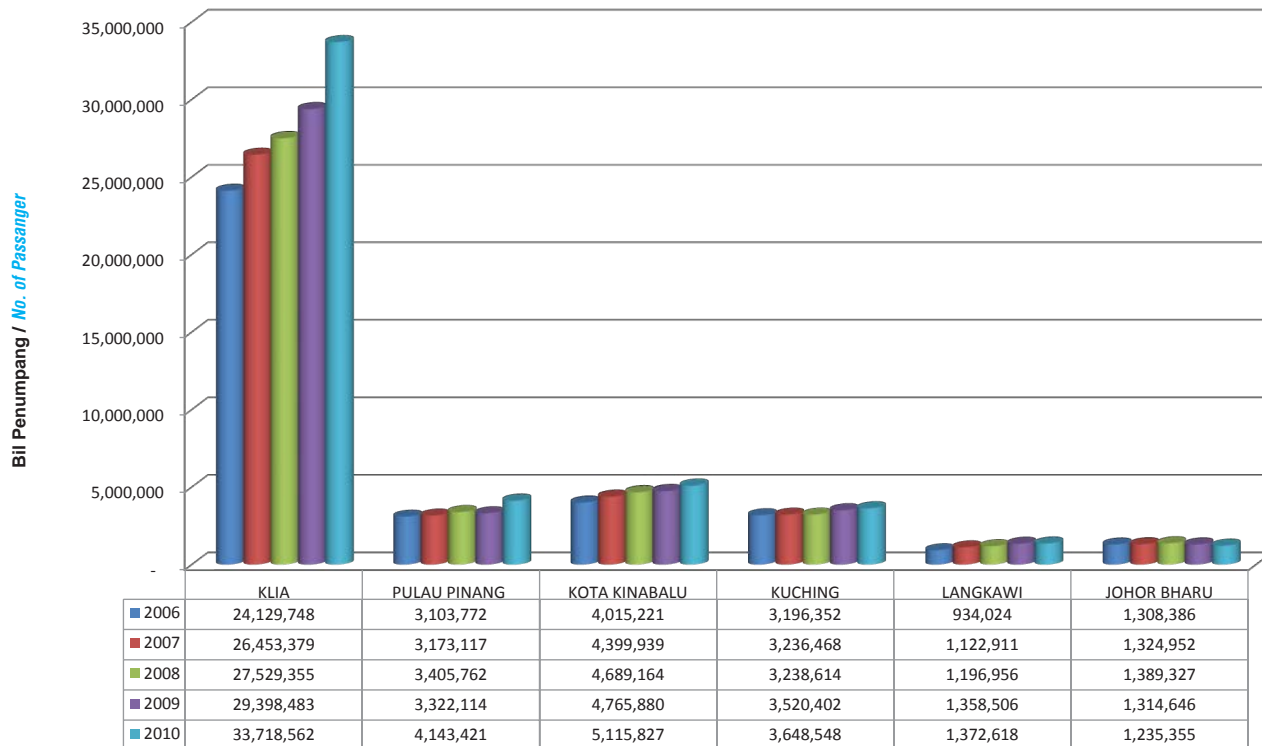
Table 4.4 : Total Passengers Handled by Airports (Excluding Transit Passengers), Malaysia, 2001 - 2010

LAPANGAN TERBANG <i>Airports</i>	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
KLIA	14,538,831	16,398,230	17,454,564	21,058,572	23,213,926	24,129,748	26,453,379	27,529,355	29,398,483	33,718,562
PULAU PINANG	2,558,999	2,508,693	2,334,669	2,987,993	2,834,545	3,103,772	3,173,117	3,405,762	3,322,114	4,143,421
KOTA KINABALU	3,036,196	3,256,212	3,302,366	3,918,201	3,975,136	4,015,221	4,399,939	4,689,164	4,765,880	5,115,827
KUCHING	2,693,903	2,935,052	2,923,633	3,317,879	3,354,973	3,196,352	3,236,468	3,238,614	3,520,402	3,648,548
LANGKAWI	829,498	712,988	726,817	845,276	830,334	934,024	1,122,911	1,196,956	1,358,506	1,372,618
JOHOR BHARU	998,693	874,278	-	-	1,246,834	1,308,386	1,324,952	1,389,327	1,314,646	1,235,355
KOTA BHARU	506,632	534,959	589,950	639,871	635,397	678,306	759,316	836,060	1,003,162	1,047,755
IPOH	131,730	132,314	115,286	103,123	74,451	64,711	814	5,376	21,937	48,508
KUALA TERENGGANU	355,063	309,202	394,240	435,620	419,475	398,252	430,800	487,495	523,619	520,611
ALOR SETAR	306,514	287,465	353,778	346,502	323,669	292,549	291,006	307,564	421,314	400,997
MELAKA	9,171	7,438	31,108	46,692	27,683	18,509	27,209	23,751	18,576	21,687
SUBANG	1,955,688	1,130,169	72,491	90,593	83,602	83,502	95,583	307,747	819,840	1,118,309
KUANTAN	433,270	388,746	351,179	349,375	298,184	273,005	262,486	259,529	226,912	220,878
TIOMAN	83,358	64,067	56,900	57,957	54,054	57,559	46,260	48,767	49,057	54,056
PANGKOR	8,999	8,811	6,095	10,247	11,193	9,866	8,906	8,132	7,617	2,588
REDANG	-	-	-	20,750	30,650	28,928	33,738	34,957	28,246	48,610
LABUAN	619,260	635,458	696,961	686,103	642,582	575,684	535,294	550,859	446,848	479,481
LAHAD DATU	104,270	108,151	107,914	117,584	116,973	108,697	77,024	99,983	98,558	113,442
SANDAKAN	449,679	449,613	497,999	574,213	621,513	633,194	626,192	618,927	662,820	706,455
TAWAU	472,301	495,462	551,168	620,847	680,901	660,331	736,646	768,967	866,601	897,848
BINTULU	384,201	422,715	427,894	464,576	487,077	449,673	381,158	417,918	460,217	506,000
MIRI	1,159,832	1,292,004	1,377,312	1,509,684	1,594,855	1,559,379	1,454,167	1,537,840	1,614,736	1,676,281
SIBU	725,449	759,704	817,687	903,108	920,930	898,923	809,955	831,772	927,082	994,394
MULU	36,601	44,371	41,280	54,767	52,914	48,825	37,463	43,652	49,255	63,122
LIMBANG	76,642	77,821	83,459	96,209	105,652	89,814	50,107	49,181	45,512	48,312
STOL SABAH	6,850	6,896	6,945	7,099	6,009	5,933	1,942	3,741	-	554
STOL SARAWAK	155,339	173,123	165,704	167,805	173,956	153,199	134,079	145,807	144,323	160,230
SEMANJUNG <i>Peninsular</i>	22,716,446	23,357,360	22,487,077	26,992,571	30,083,997	31,381,117	34,030,477	35,840,778	38,514,029	43,953,955
SABAH	4,688,556	4,951,792	5,163,353	5,924,047	6,043,114	5,999,060	6,377,037	6,731,641	6,840,707	7,313,607
SARAWAK	5,231,967	5,704,790	5,836,969	6,514,028	6,690,357	6,396,165	6,103,397	6,264,784	6,761,527	7,096,887
JUMLAH <i>Total</i>	32,636,969	34,013,942	33,487,399	39,430,646	42,817,468	43,776,342	46,510,911	48,837,203	52,116,263	58,364,449

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



CARTA 4.1 : JUMLAH PENUMPANG YANG DIKENDALIKAN OLEH LAPANGAN TERBANG ANTARABANGSA, MALAYSIA, 2006 - 2010
Chart 4.1 : Total Passengers Handled by International Airports, Malaysia, 2006 - 2010





JADUAL 4.5 : JUMLAH PENUMPANG YANG DIKENDALIKAN MENGIKUT LAPANGAN TERBANG, MALAYSIA, 2010

Table 4.5 : Total Passengers Handled by Airports, Malaysia, 2010

LAPANGAN TERBANG Airports	DALAM NEGERI Domestic			ANTARABANGSA International			JUMLAH Total			TRANSIT Transit			PERBANDINGAN TAHUN KE TAHUN Year-on-Year Comparison		
	KETIBAAN Arrival	BERLEPAS Departure	JUMLAH Total	KETIBAAN Arrival	BERLEPAS Departure	JUMLAH Total	KETIBAAN Arrival	BERLEPAS Departure	JUMLAH Total	KETIBAAN Arrival	BERLEPAS Departure	JUMLAH Total	2010	2009	% +/-
KLIA	5,197,766	5,118,369	10,316,135	11,714,999	11,687,428	23,402,427	16,912,765	16,805,797	33,718,562	126	368,948	369,074	34,087,636	29,682,093	14.8%
PULAU PINANG	1,074,184	1,068,669	2,142,853	989,889	1,010,679	2,000,568	2,064,073	2,079,348	4,143,421	-	-	-	4,143,421	3,325,423	24.6%
KOTA KINABALU	1,933,981	1,957,322	3,891,303	614,292	610,179	1,224,471	2,548,273	2,567,501	5,115,774	62,752	44,928	107,680	5,223,454	4,868,526	7.3%
KUCHING	1,638,726	1,646,142	3,284,868	180,317	183,363	363,680	1,819,043	1,829,505	3,648,548	29,728	6,241	35,969	3,684,517	3,574,632	3.1%
LANGKAWI	605,382	618,150	1,223,532	71,650	77,436	149,086	677,032	695,586	1,372,618	2,013	98	2,111	1,374,729	1,359,271	1.1%
JOHOR BHARU	597,748	622,599	1,220,347	7,378	7,630	15,008	605,126	630,229	1,235,355	-	-	-	1,235,355	1,314,646	-6.0%
KOTA BHARU	515,556	532,199	1,047,755	-	-	-	515,556	532,199	1,047,755	-	-	-	1,047,755	1,003,162	4.4%
IPOH	-	-	-	24,395	24,113	48,508	24,395	24,113	48,508	-	-	-	48,508	21,937	121.1%
KUALA TERENGGANU	252,625	253,970	506,595	6,618	7,398	14,016	259,243	261,368	520,611	-	-	-	520,611	523,619	-0.6%
ALOR SETAR	201,031	199,966	400,997	-	-	-	201,031	199,966	400,997	-	-	-	400,997	421,314	-4.8%
MELAKA	33	40	73	11,423	10,191	21,614	11,456	10,231	21,687	-	-	-	21,687	18,576	16.7%
SUBANG	426,608	430,163	856,771	132,745	128,793	261,538	559,353	558,956	1,118,309	-	-	-	1,118,309	819,840	36.4%
KUANTAN	98,722	97,970	196,692	12,120	12,066	24,186	110,842	110,036	220,878	-	-	-	220,878	226,912	-2.7%
TIOMAN	17,883	18,084	35,967	8,709	9,380	18,089	26,592	27,464	54,056	-	-	-	54,056	49,057	10.2%
PANGKOR	1,196	1,392	2,588	-	-	-	1,196	1,392	2,588	-	-	-	2,588	7,617	-66.0%
REDANG	17,101	17,191	34,292	7,040	7,278	14,318	24,141	24,469	48,610	-	-	-	48,610	28,246	72.1%
LABUAN	242,165	236,924	479,089	383	9	392	242,548	236,933	479,481	26,422	-	26,422	505,903	476,876	6.1%
LAHAD DATU	56,548	56,894	113,442	-	-	-	56,548	56,894	113,442	-	-	-	113,442	98,558	15.1%
SANDAKAN	350,968	352,527	703,495	1,465	1,495	2,960	352,433	354,022	706,455	35,219	-	35,219	741,674	672,469	10.3%
TAWAU	441,259	451,959	893,218	2,249	2,381	4,630	443,508	454,340	897,848	-	-	-	897,848	866,601	3.6%
BINTULU	262,179	243,821	506,000	-	-	-	262,179	243,821	506,000	51,459	-	51,459	557,459	487,060	14.5%
MIRI	828,746	839,291	1,668,037	4,019	4,225	8,244	832,765	843,516	1,676,281	18,634	-	18,634	1,694,915	1,620,345	4.6%
SIBU	497,983	496,411	994,394	-	-	-	497,983	496,411	994,394	14,608	-	14,608	1,009,002	939,732	7.4%
MULU	31,642	31,480	63,122	-	-	-	31,642	31,480	63,122	3,453	-	3,453	66,575	49,255	35.2%
LIMBANG	23,927	24,385	48,312	-	-	-	23,927	24,385	48,312	1,732	-	1,732	50,044	45,512	10.0%
STOL SABAH	298	309	607	-	-	-	298	309	607	186	-	186	793	0	100.0%
STOL SARAWAK	77,827	82,403	160,230	-	-	-	77,827	82,403	160,230	10,276	-	10,276	170,506	148,674	14.7%
SEMANJUNG Peninsular	9,005,835	8,978,762	17,984,597	12,986,966	12,982,392	25,969,358	21,992,801	21,961,154	43,953,955	2,139	369,046	371,185	44,325,140	38,801,713	14.2%
SABAH	3,025,219	3,055,935	6,081,154	618,389	614,064	1,232,453	3,643,608	3,669,999	7,313,607	124,579	44,928	169,507	7,483,114	6,983,030	7.2%
SARAWAK	3,361,030	3,363,933	6,724,963	184,336	187,588	371,924	3,545,366	3,551,521	7,096,887	129,890	6,241	136,131	7,233,018	6,865,210	5.4%
JUMLAH Total	15,392,084	15,398,630	30,790,714	13,789,691	13,784,044	27,573,735	29,181,775	29,182,674	58,364,449	256,608	420,215	676,823	59,041,272	52,649,953	12.1%

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, 2001 - 2010

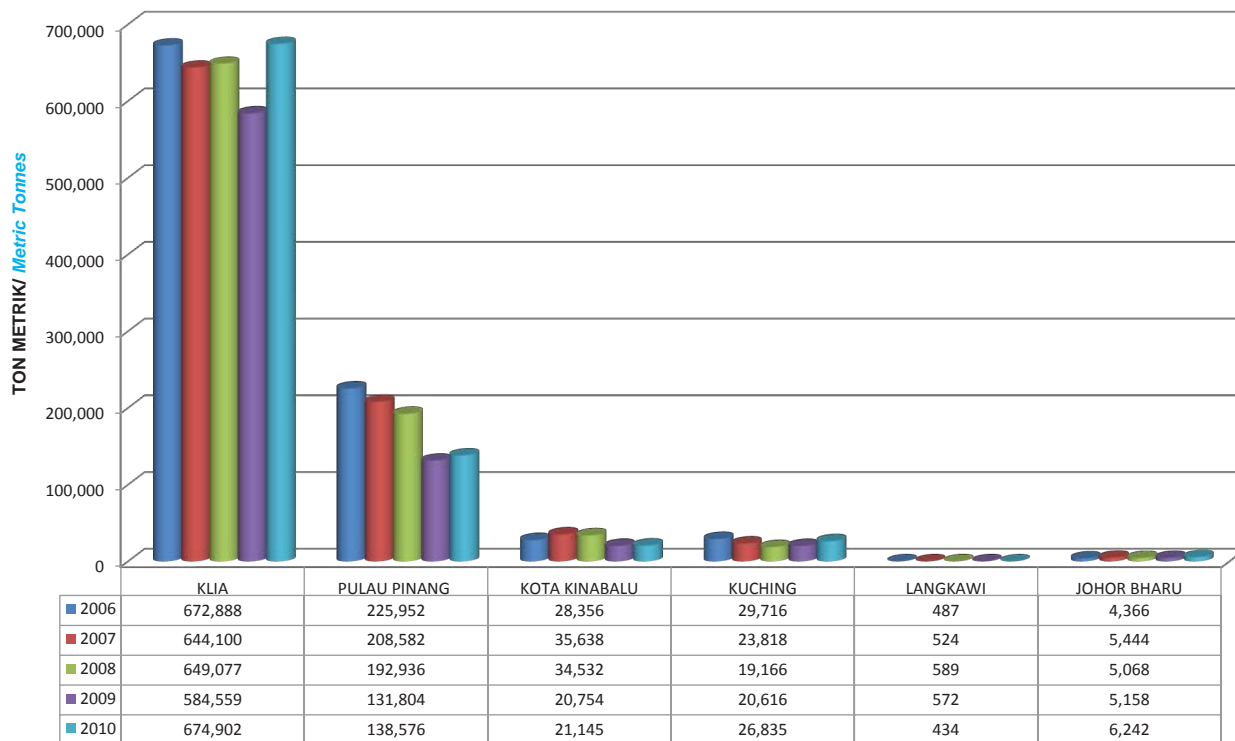
Table 4.6 : Total Cargo Handled by Airports (Excluding Cargo in Transit), Malaysia, 2001 - 2010

LAPANGAN TERBANG <i>Airports</i>	METRIC TONNE									
	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
KLIA	440,864	527,124	586,195	651,747	653,654	672,888	644,100	649,077	584,559	674,902
PULAU PINANG	176,317	202,044	197,567	212,369	221,971	225,952	208,582	192,936	131,804	138,576
KOTA KINABALU	24,887	28,112	25,638	27,191	25,473	28,356	35,638	34,532	20,754	21,145
KUCHING	22,897	24,835	26,278	26,073	28,407	29,716	23,818	19,166	20,616	26,835
LANGKAWI	213	210	287	325	449	487	524	589	572	434
JOHOR BHARU	4,157	3,849	3,697	-	7518	4366	5444	5068	5158	6,242
KOTA BHARU	407	404	315	235	168	210	163	181	185	177
IPOH	361	388	498	735	437	357	10	-	-	-
KUALA TERENGGANU	186	151	160	124	94	70	47	24	24	50
ALOR SETAR	54	30	17	67	118	111	55	41	34	34
MELAKA	48	49	214	602	370	146	219	179	127	144
SUBANG	14,445	12,261	14,358	18,670	46,082	71,953	63,382	18,473	18,536	19,988
KUANTAN	121	96	64	64	75	109	103	70	70	49
TIOMAN	-	-	-	-	-	-	-	-	-	-
PANGKOR	-	-	-	-	-	-	-	-	-	-
LABUAN	2,946	3,176	2,733	2,653	3,077	3,207	3,985	4,566	3,878	4,128
LAHAD DATU	389	469	400	390	334	170	-	-	-	-
SANDAKAN	2,562	2,665	3,713	4,053	4,531	5,475	6,224	3,055	2,099	2,806
TAWAU	3,935	3,612	2,701	2,968	3,885	3,030	2,134	1,262	1,951	3,045
BINTULU	1,196	1,176	940	1,375	2,110	2,205	2,252	1,978	1,903	1,703
MIRI	4,096	3,903	3,881	4,721	5,392	4,080	3,564	4,146	3,921	6,770
SIBU	2,006	1,916	1,701	1,567	1,377	1,040	892	735	856	1,133
MULU	-	18	4	102	459	240	191	262	333	396
LIMBANG	173	249	226	179	289	379	440	475	530	560
STOL SABAH	4	4	2	2	1	1	-	-	-	-
STOL SARAWAK	1,046	818	847	862	540	403	845	692	387	454
SEMANANJUNG <i>Peninsular</i>	637,173	746,607	803,372	884,937	930,937	976,649	922,630	866,638	741,067	840,597
SABAH	34,723	38,037	35,187	37,257	37,301	40,238	47,981	43,415	28,682	31,123
SARAWAK	31,414	32,915	33,876	34,878	38,575	38,062	32,001	27,454	28,545	37,849
JUMLAH <i>Total</i>	703,310	817,559	872,436	957,072	1,006,813	1,054,950	1,002,612	937,508	798,295	909,569

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



CARTA 4.2: JUMLAH KARGO YANG DIKENDALIKAN OLEH LAPANGAN TERBANG ANTARABANGSA, MALAYSIA, 2006 - 2010
Chart 4.2 :Total Cargo Handled by International Airports , Malaysia, 2006 - 2010





JADUAL 4.7 : JUMLAH KARGO YANG DIKENDALIKAN MENGIKUT LAPANGAN TERBANG, MALAYSIA, 2010
Table 4.7 : Total Cargo Handled by Airports, Malaysia, 2010

LAPANGAN TERBANG Airports	METRIC TONNES									PERBANDINGAN TAHUN KE TAHUN Year-on-Year Comparison					
	DALAM NEGERI Domestic			ANTARABANGSA International			JUMLAH Total			DALAM NEGERI Domestic	ANTARA- BANGSA International	JUMLAH Total	2010	2009	% +/-
	DIHANTAR Unloaded	DIANGKUT Loaded	JUMLAH Total	DIHANTAR Unloaded	DIANGKUT Loaded	JUMLAH Total	DIHANTAR Unloaded	DIANGKUT Loaded	JUMLAH Total						
KLIA	19,940	40,562	60,502	297,642	316,758	614,400	317,582	357,320	674,902	-	-	-	674,902	584,559	15.5%
PULAU PINANG	19,252	6,406	25,658	44,869	68,048	112,918	64,122	74,454	138,576	1,993	6,488	8,481	147,057	131,804	11.6%
KOTA KINABALU	11,924	7,097	19,021	721	1,404	2,124	12,644	8,501	21,145	3,612	1,976	5,588	26,733	20,754	28.8%
KUCHING	16,082	8,898	24,980	1,230	625	1,855	17,312	9,523	26,835	101	41	142	26,977	20,616	30.9%
LANGKAWI	274	17	291	138	5	143	412	23	434	-	-	-	434	572	-24.0%
JOHOR BHARU	2,244	1,799	4,043	2,244	1,799	4,043	4,488	3,599	8,087	-	-	-	8,087	5,158	56.8%
KOTA BHARU	114	64	177	-	-	-	114	64	177	-	-	-	177	185	-4.0%
IPOH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KUALA TERENGGANU	31	19	49	-	0	0	31	19	50	0	-	0	50	24	111.1%
ALOR SETAR	3	31	34	-	-	-	3	31	34	-	-	-	34	34	1.4%
MELAKA	-	-	-	59	85	144	59	85	144	-	-	-	144	127	12.9%
SUBANG	3,132	7,960	11,092	4,221	4,675	8,896	7,353	12,635	19,988	-	-	-	19,988	18,536	7.8%
KUANTAN	45	5	49	-	0	0	45	5	49	-	-	-	49	70	-29.3%
TIOMAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PANGKOR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LABUAN	2,628	934	3,562	502	63	565	3,130	998	4,128	464	-	464	4,592	3,878	18.4%
LAHAD DATU	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SANDAKAN	976	1,830	2,806	-	-	-	976	1,830	2,806	-	-	-	2,806	2,099	33.7%
TAWAU	641	2,404	3,045	-	-	-	641	2,404	3,045	-	-	-	3,045	1,951	56.1%
BINTULU	1,087	616	1,703	-	-	-	1,087	616	1,703	0	-	0	1,703	1,903	-10.5%
MIRI	5,270	1,500	6,770	-	-	-	5,270	1,500	6,770	-	-	-	6,770	3,921	72.7%
SIBU	912	221	1,133	-	-	-	912	221	1,133	-	-	-	1,133	856	32.4%
MULU	388	7	396	-	-	-	388	7	396	-	-	-	396	333	19.0%
LIMBANG	280	280	560	-	-	-	280	280	560	-	-	-	560	530	5.6%
STOL SABAH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STOL SARAWAK	295	158	454	-	-	-	295	158	454	90	-	90	543	387	40.4%
SEMANANJUNG Peninsular	45,034	56,863	101,897	349,173	391,371	740,544	394,207	448,234	842,441	1,993	6,488	8,481	850,922	741,067	14.8%
SABAH	16,169	12,265	28,434	1,223	1,467	2,690	17,392	13,732	31,123	4,076	1,976	6,052	37,175	28,682	29.6%
SARAWAK	24,314	11,680	35,994	1,230	625	1,855	25,544	12,905	37,849	191	41	232	38,081	28,545	33.4%
JUMLAH Total	85,517	80,808	166,325	351,626	393,463	745,089	437,143	474,271	911,414	6,260	8,505	14,765	926,179	798,295	16.0%

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, 2001 - 2010

Table 4.8 : Total Mail Handled by Airports (Excluding Mel in Transit), Malaysia, 2001 - 2010

LAPANGAN TERBANG <i>Airports</i>	METRIC TONNES									
	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
KLIA	4,947	4,858	3,787	3,621	2,999	4,558	8,794	18,418	17,061	19,394
PULAU PINANG	32	1	992	1,563	9	2	1	0	7	4
KOTA KINABALU	3,019	5,214	5,737	5,940	5,032	3,787	4,044	3,149	1,612	1,486
KUCHING	5,503	5,181	5,131	5,344	5,086	3,467	3,137	999	794	642
LANGKAWI	22	25	42	44	46	58	58	83	73	90
KOTA BHARU	285	287	305	384	226	171	175	236	322	322
IPOH	0	0	0	0	0	0	0	-	-	-
KUALA TERENGGANU	112	136	164	174	132	10	4	8	5	12
ALOR SETAR	0	0	0	0	0	0	0	2	55	47
MELAKA	0	0	0	0	0	0	0	0	0	-
SUBANG	7,120	7,142	7,860	8,003	7,006	1,656	0	0	0	-
KUANTAN	6	0	9	12	2	0	0	0	5	2
TIOMAN	-	-	-	-	-	-	-	-	-	-
PANGKOR	-	-	-	-	-	-	-	-	-	-
LABUAN	269	288	307	276	257	291	334	399	360	378
LAHAD DATU	199	201	155	165	154	212	157	193	212	207
SANDAKAN	514	360	216	202	52	90	9	233	254	476
TAWAU	606	510	453	431	264	102	27	281	242	439
BINTULU	168	151	122	151	134	240	83	339	382	264
MIRI	1,441	1,118	1,283	1,255	1,633	1,439	1,806	1,665	2,171	1,564
SIBU	527	543	598	909	1,089	698	59	0	849	287
STOL SABAH	0	0	0	0	0	0	-	-	-	-
STOL SARAWAK	0	0	0	32	90	106	6	94	53	13
SEMENANJUNG <i>Peninsular</i>	12,523	12,449	13,160	13,801	10,421	6,455	9,033	18,747	17,528	19,870
SABAH	4,607	6,573	6,868	7,013	5,759	4,481	4,572	4,254	2,680	2,987
SARAWAK	7,638	6,993	7,133	7,691	8,032	5,950	5,090	3,097	4,248	2,770
JUMLAH <i>Total</i>	24,767	26,015	27,161	28,505	24,212	16,886	18,695	26,098	24,456	25,628

SUMBER / Source : MALAYSIA AIRPORTS HOLDINGS BERHAD



JADUAL 4.9 : JUMLAH MEL YANG DIKENDALIKAN MENGIKUT LAPANGAN TERBANG, MALAYSIA, 2010
Table 4.9 : Total Mail Handled by Airports, Malaysia, 2010

LAPANGAN TERBANG Airports	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>	2010	2009	% +/-
KLIA	205	1,432	1,637	8,921	8,836	17,756	9,125	10,268	19,394	-	-	-	19,394	17,061	13.7%
PULAU PINANG	1	2	3	0	1	1	1	3	4	-	-	-	4	7	-39.0%
KOTA KINABALU	724	752	1,475	4	7	11	727	759	1,486	759	1,486	2,245	3,732	1,612	131.5%
KUCHING	137	504	641	1	0	1	138	504	642	504	642	1,145	1,787	794	125.1%
LANGKAWI	57	28	85	4	-	4	61	28	90	28	90	118	207	73	182.9%
KOTA BHARU	194	128	322	-	-	-	194	128	322	128	322	451	773	322	140.2%
IPOH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KUALA TERENGGANU	7	5	12	-	-	-	7	5	12	5	12	17	28	5	460.7%
ALOR SETAR	6	41	47	-	-	-	6	41	47	41	47	89	136	55	146.1%
MELAKA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SUBANG	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KUANTAN	2	-	2	-	-	-	2	-	2	-	-	-	2	5	-55.2%
TIOMAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PANGKOR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LABUAN	330	48	378	-	-	-	330	48	378	-	-	-	378	360	5.0%
LAHAD DATU	182	26	207	-	-	-	182	26	207	-	-	-	207	212	-2.4%
SANDAKAN	438	39	476	-	-	-	438	39	476	-	-	-	476	254	87.7%
TAWAU	384	56	439	-	-	-	384	56	439	-	-	-	439	242	81.7%
BINTULU	179	85	264	-	-	-	179	85	264	-	-	-	264	382	-30.8%
MIRI	1,138	426	1,564	-	-	-	1,138	426	1,564	-	-	-	1,564	2,171	-28.0%
SIBU	51	236	287	-	-	-	51	236	287	-	-	-	287	849	-66.2%
STOL SABAH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STOL SARAWAK	12	1	13	-	-	-	12	1	13	-	-	-	13	53	-74.8%
SEMANANJUNG Peninsular	471	1,638	2,109	8,925	8,836	17,762	9,396	10,474	19,870	203	471	674	20,544	17,528	17.2%
SABAH	2,056	920	2,976	4	7	11	2,060	927	2,987	759	1,486	2,245	5,233	2,679.59	95.3%
SARAWAK	1,517	1,252	2,769	1	0	1	1,518	1,252	2,770	504	642	1,145	3,915	4,248.48	-7.8%
JUMLAH Total	4,044	3,810	7,854	8,930	8,844	17,774	12,974	12,653	25,628	1,466	2,599	4,064	29,692	24,455.75	21.4%

SUMBER / Source : MALAYSIA AIRPORTS HOLDINGS BERHAD



JADUAL 4.10 : JUMLAH PERGERAKAN PESAWAT PERDAGANGAN YANG DIKENDALIKAN MENGIKUT LAPANGAN TERBANG, MALAYSIA, 2001 - 2010

Table 4.10 : Total Commercial Aircraft Movements Handled by Airports, Malaysia, 2001 - 2010

LAPANGAN TERBANG <i>Airports</i>	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
KLIA	113,147	127,462	139,101	164,483	181,341	182,548	192,304	209,681	225,251	244,179
PULAU PINANG	28,866	28,861	26,516	29,182	31,173	31,448	34,508	38,335	38,343	44,753
KOTA KINABALU	38,680	42,177	42,491	50,313	49,680	50,594	49,881	52,463	52,677	55,089
KUCHING	36,625	39,477	38,676	41,353	39,430	37,167	34,192	36,087	41,437	42,940
LANGKAWI	9,448	7,910	7,168	7,352	8,021	8,287	10,828	12,242	12,638	13,274
JOHOR BHARU	11,513	9,291	8,848	-	-	-	-	-	13,552	11,934
KOTA BHARU	4,808	6,255	7,520	8,888	8,765	10,368	13,074	14,083	13,709	13,180
IPOH	1,946	1,662	1,572	1,402	1,145	954	12	183	384	840
KUALA TERENGGANU	3,366	3,196	4,221	4,776	4,623	3,792	4,533	6,038	6,006	5,959
ALOR SETAR	2,978	2,940	3,646	3,568	3,267	2,820	2,668	2,934	4,578	4,513
MELAKA	278	182	1,102	2,135	1,328	596	714	700	616	584
SUBANG	22,441	14,685	5,140	6,981	8,988	9,158	7,234	11,448	19,897	24,509
KUANTAN	4,046	3,764	3,743	3,748	3,500	2,748	3,253	3,334	2,947	2,628
TIOMAN	2,708	2,357	2,173	1,885	1,668	1,836	1,597	1,603	1,591	1,662
PANGKOR	652	519	511	534	530	514	517	503	502	174
REDANG	-	-	-	741	1,110	934	1,053	1,083	862	1,356
LABUAN	7,572	8,358	9,661	10,450	9,292	9,332	10,127	11,212	10,868	11,988
LAHAD DATU	2,694	2,886	2,882	2,948	3,010	3,203	2,195	2,922	2,922	2,860
SANDAKAN	9,325	9,474	9,985	10,184	10,876	10,034	7,719	8,991	10,214	12,095
TAWAU	6,547	6,928	7,450	8,019	8,531	8,005	6,863	7,334	8,885	9,723
BINTULU	12,646	14,111	13,288	13,240	13,146	11,388	6,542	8,933	10,948	10,994
MIRI	36,010	39,545	40,468	42,306	40,302	39,462	33,022	35,178	38,836	39,509
SIBU	16,589	16,791	16,593	17,162	16,683	15,092	11,765	14,307	16,275	17,899
MULU	3,484	4,536	3,422	3,066	2,620	2,220	1,638	1,642	1,570	1,726
LIMBANG	5,130	4,688	4,994	5,625	5,490	4,242	2,300	1,860	1,697	1,947
STOL SABAH	902	922	936	812	814	800	338	459	-	167
STOL SARAWAK	12,486	13,531	13,816	13,816	14,322	14,718	12,457	12,716	12,140	13,538
SEMANANJUNG <i>Peninsular</i>	206,197	209,084	211,261	235,675	255,459	256,003	272,295	302,167	340,876	369,545
SABAH	65,720	70,745	73,405	82,726	82,203	81,968	77,123	83,381	85,566	91,922
SARAWAK	122,970	132,679	131,257	136,568	131,993	124,289	101,916	110,723	122,903	128,553
JUMLAH <i>Total</i>	394,887	412,508	415,923	454,969	469,655	462,260	451,334	496,271	549,345	590,020

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



JADUAL 4.11 : JUMLAH PERGERAKKAN PESAWAT PERDAGANGAN YANG DIKENDALIKAN MENGIKUT LAPANGAN TERBANG, MALAYSIA, 2010

Table 4.11 : Total Commercial Aircraft Movements Handled by Airports, Malaysia, 2010

LAPANGAN TERBANG Airports	DALAM NEGERI Domestic			ANTARABANGSA International			JUMLAH Total			PERBANDINGAN TAHUN KE TAHUN Year-on-Year Comparison		
	BERJADUAL Scheduled	TIDAK BERJADUAL	JUMLAH Total	BERJADUAL Scheduled	TIDAK BERJADUAL	JUMLAH Total	BERJADUAL Scheduled	TIDAK BERJADUAL	JUMLAH Total	2010	2009	% +/-
		Scheduled			Non Scheduled			Scheduled				
KLIA	86,150	399	86,549	156,293	1,337	157,630	242,443	1,736	244,179	244,179	225,251	8.4%
PULAU PINANG	23,299	-	23,299	21,452	2	21,454	44,751	2	44,753	44,753	38,343	16.7%
KOTA KINABALU	43,229	775	44,004	11,085	-	11,085	54,314	775	55,089	55,089	52,677	4.6%
KUCHING	35,533	3,104	38,637	4,009	294	4,303	39,542	3,398	42,940	42,940	41,437	3.6%
LANGKAWI	11,571	-	11,571	1,703	-	1,703	13,274	-	13,274	13,274	12,638	5.0%
JOHOR BHARU	11,766	0	11,766	145	32	177	11,911	32	11,943	11,943	13,552	-11.9%
KOTA BHARU	10,606	2,574	13,180	-	-	-	10,606	2,574	13,180	13,180	13,709	-3.9%
IPOH	-	-	-	840	-	840	840	-	840	840	384	118.8%
KUALA TERENGGANU	5,729	-	5,729	214	16	230	5,943	16	5,959	5,959	6,006	-0.8%
ALOR SETAR	4,513	-	4,513	-	-	-	4,513	-	4,513	4,513	4,578	-1.4%
MELAKA	-	-	-	582	2	584	582	2	584	584	616	-5.2%
SUBANG	18,514	-	18,514	5,995	-	5,995	24,509	-	24,509	24,509	19,897	23.2%
KUANTAN	2,177	-	2,177	419	32	451	2,596	32	2,628	2,628	2,947	-10.8%
TIOMAN	1,020	-	1,020	642	-	642	1,662	-	1,662	1,662	1,591	4.5%
PANGKOR	174	-	174	-	-	-	174	-	174	174	502	-65.3%
REDANG	898	-	898	458	-	458	1,356	-	1,356	1,356	862	57.3%
LABUAN	8,385	3,437	11,822	-	166	166	8,385	3,603	11,988	11,988	10,868	10.3%
LAHAD DATU	2,794	66	2,860	-	-	-	2,794	66	2,860	2,860	2,922	-2.1%
SANDAKAN	10,001	1,427	11,428	-	667	667	10,001	2,094	12,095	12,095	10,214	18.4%
TAWAU	9,226	432	9,658	50	15	65	9,276	447	9,723	9,723	8,885	9.4%
BINTULU	9,579	1,388	10,967	1	26	27	9,580	1,414	10,994	10,994	10,348	0.4%
MIRI	29,986	9,455	39,441	68	-	68	30,054	9,455	39,509	39,509	38,836	1.7%
SIBU	17,085	814	17,899	-	-	-	17,085	814	17,899	17,899	16,275	10.0%
MULU	1,710	16	1,726	-	-	-	1,710	16	1,726	1,726	1,570	9.9%
LIMBANG	1,770	177	1,947	-	-	-	1,770	177	1,947	1,947	1,697	14.7%
STOL SABAH	167	-	167	-	-	-	167	-	167	167	0	0.0%
STOL SARAWAK	13,538	-	13,538	-	-	-	13,538	-	13,538	13,538	12,140	11.5%
SEMANANJUNG Peninsular	176,417	2,973	179,390	188,743	1,421	190,164	365,160	4,394	369,554	369,554	340,876	8.4%
SABAH	73,802	6,137	79,939	11,135	848	11,983	84,937	6,985	91,922	91,922	85,566	7.4%
SARAWAK	109,201	14,954	124,155	4,078	320	4,398	113,279	15,274	128,553	128,553	122,903	4.6%
JUMLAH Total	359,420	24,064	383,484	203,956	2,589	206,545	563,376	26,653	590,029	590,029	549,345	7.4%

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



JADUAL 4.12 : PERGERAKAN TRAFIK DI ANTARA LAPANGAN TERBANG-LAPANGAN TERBANG MALAYSIA (TERMASUK SINGAPURA), 2010

Table 4.12 : Traffic Movements Between Malaysian Airports (Including Singapore), 2010

SEKTOR Sector			PENUMPANG Passenger			KARGO (KG) Cargo (kg)			MEL (KG) Mail (kg)		
A	-	B	(A-B)	(B-A)	JUMLAH Total	(A-B)	(B-A)	JUMLAH Total	(A-B)	(B-A)	JUMLAH Total
KUALA LUMPUR	-	ALOR SETAR	163,291	164,967	328,258	101,897	182,033	283,930	111,835	37,859	149,694
KUALA LUMPUR	-	IPOH	-	-	-	-	-	-	-	-	-
KUALA LUMPUR	-	JOHOR BHARU	184,794	208,515	393,309	788,066	659,020	1,447,086	-	3,195	3,195
KUALA LUMPUR	-	KOTA BHARU	426,655	429,837	856,492	342,110	114,439	456,549	-	14,811	14,811
KUALA LUMPUR	-	KOTA KINABALU	933,520	948,289	1,881,809	11,746,236	4,255,282	16,001,518	21,230	342,075	363,305
KUALA LUMPUR	-	TERENGGANU	201,847	205,599	407,446	116,334	36,289	152,623	2	11,600	11,602
KUALA LUMPUR	-	KUANTAN	98,767	98,132	196,899	81,392	6,372	87,764	-	918	918
KUALA LUMPUR	-	KUCHING	847,021	842,766	1,689,787	13,804,799	5,138,625	18,943,424	324	124,026	124,350
KUALA LUMPUR	-	LABUAN	121,539	118,985	240,524	1,138,910	263,473	1,402,383	20,406	311,530	331,936
KUALA LUMPUR	-	LANGKAWI	520,514	533,927	1,054,441	556,677	27,614	584,291	46,116	76,118	122,234
KUALA LUMPUR	-	MIRI	281,808	283,374	565,182	2,614,494	469,821	3,084,315	-	100,222	100,222
KUALA LUMPUR	-	PULAU PINANG	638,676	656,296	1,294,972	4,531,110	4,259,654	8,790,764	2,138	5,011	7,149
KUALA LUMPUR	-	SINGAPURA	1,356,987	1,377,099	2,734,086	12,271,566	13,879,509	26,151,075	122,017	628,351	750,368
KUALA LUMPUR	-	SIBU	218,651	216,571	435,222	1,604,719	351,500	1,956,219	-	32,051	32,051
KUALA LUMPUR	-	TAWAU	217,314	224,483	441,797	1,231,209	3,044,302	4,275,511	498	142,991	143,489
PULAU PINANG	-	LANGKAWI	64,458	64,755	129,213	349,207	1,787,115	2,136,322	-	-	-
PULAU PINANG	-	SINGAPURA	400,892	400,994	801,886	2,589,265	10,821,292	13,410,557	284	3	287
KOTA KINABALU	-	JOHOR BHARU	102,631	100,236	202,867	27,906	8,945	36,851	-	-	-
KOTA KINABALU	-	TAWAU	218,100	217,259	435,359	294,283	921,014	1,215,297	269,051	69,075	338,126
KOTA KINABALU	-	LABUAN	61,401	58,966	120,367	362,365	164,932	527,297	30,190	20,314	50,504
KOTA KINABALU	-	LAHAD DATU	56,687	56,813	113,500	151,716	4,783	156,499	182,824	24,211	207,035
KOTA KINABALU	-	MIRI	118,508	114,499	233,007	2,489,924	3,365,336	5,855,260	123	14	137
KOTA KINABALU	-	SIBU	40,101	40,133	80,234	87,956	6,713	94,669	46	-	46
KOTA KINABALU	-	KUCHING	156,897	160,368	317,265	666,677	315,645	982,322	567	226,205	226,772
KOTA KINABALU	-	SINGAPURA	103,991	100,018	204,009	77,673	62,298	139,971	-	1,328	1,328
KUCHING	-	JOHOR BHARU	112,990	113,375	226,365	24,998	23,528	48,526	-	-	-
KUCHING	-	PULAU PINANG	56,716	56,795	113,511	-	-	-	-	-	-
KUCHING	-	SINGAPURA	147,377	144,677	292,054	53,914	52,331	106,245	60	545	605
BINTULU	-	MIRI	12,097	24,327	36,424	741	1,393	2,134	-	244	244
MIRI	-	LABUAN	51,236	46,978	98,214	83,993	28,101	112,094	2,494	2,013	4,507
MIRI	-	SIBU	32,941	32,318	65,259	-	-	-	-	-	-
SANDAKAN	-	TAWAU	22,257	23,122	45,379	5,608	2,964	8,572	247	1,603	1,850
LANGKAWI	-	SINGAPURA	70,729	66,947	137,676	3,313	135,712	139,025	-	3,693	3,693
MIRI	-	JOHOR BHARU	23,535	22,814	46,349	-	-	-	-	-	-

SUMBER / Source : MALAYSIA AIRPORTS HOLDINGS BERHAD



JADUAL 4.13 : PERGERAKAN TRAFIK UNTUK PERKHIDMATAN UDARA LUAR BANDAR, SABAH DAN SARAWAK, 2010
Table 4.13 : Traffic Movements for Rural Air Services, Sabah and Sarawak, 2010

SEKTOR Sector	PENUMPANG Passenger			KARGO (KG) Cargo (kg)			MEL (KG) Mail (kg)		
	A	B	JUMLAH Total	(A-B)	(B-A)	JUMLAH Total	(A-B)	(B-A)	JUMLAH Total
SABAH									
BARIO	-	MARUDI	-	-	-	-	-	-	-
BELAGA	-	BINTULU	-	-	-	-	-	-	-
BINTULU	-	MUKAH	-	-	-	-	-	-	-
KOTA KINABALU	-	KUDAT	-	-	-	-	-	-	-
KOTA KINABALU	-	SANDAKAN	15	11	26	-	-	-	-
KOTA KINABALU	-	BINTULU	185,506	184,278	369,784	308,539	717,968	1,026,507	-
KUDAT	-	SANDAKAN	16,467	18,552	35,019	37,581	8,425	46,006	5,575
LAWAS	-	KOTA KINABALU	219	7,403	7,622	-	2,347	2,347	-
LIMBANG	-	KOTA KINABALU	13	6	19	-	-	-	-
MIRI	-	BARIO	-	-	-	-	-	-	-
SANDAKAN	-	TOMANGGONG	6,303	6,321	12,624	-	-	-	-
SANDAKAN	-	TAWAU	-	3	3	-	-	-	247
			22,558	23,365	45,923	5,643	2,964	8,607	1,850
JUMLAH / Total			231,081	239,939	425,097	351,763	731,704	1,074,860	247
SARAWAK									
KUCHING	-	BINTULU	95,884	93,832	189,716	12,603	2,055	14,658	227,135
KUCHING	-	LABUAN	-	-	-	-	-	-	12,849
KUCHING	-	MIRI	129	65	194	-	-	-	-
KUCHING	-	SIBU	187,174	186,713	373,887	46,207	4,579	50,786	24,929
KUCHING	-	MUKAH	162,872	167,033	329,905	23,695	3,896	27,591	22,608
LAWAS	-	MIRI	13,507	15,973	29,480	176	-	176	-
LIMBANG	-	MIRI	20,817	20,746	41,563	-	-	-	-
LIMBANG	-	LAWAS	25,170	25,523	50,693	-	-	-	-
MARUDI	-	MIRI	-	-	-	-	-	-	-
MIRI	-	MULU	13,544	13,354	26,898	-	-	-	-
MIRI	-	SIBU	23,888	19,966	43,854	-	-	-	-
MUKAH	-	MIRI	32,941	32,318	65,259	-	-	-	-
MUKAH	-	SIBU	4,981	4,526	9,507	-	-	-	-
SIBU	-	BINTULU	61	75	136	-	-	-	-
			12,973	106	13,079	-	-	-	-
JUMLAH / Total			593,941	580,230	1,161,092	82,681	10,530	93,211	274,672

SUMBER / Source : MALAYSIA AIRPORTS HOLDINGS BERHAD