



MALAYSIA

AKAUN NEGARA

PEMBENTUKAN MODAL TETAP KASAR

NATIONAL ACCOUNTS

GROSS FIXED CAPITAL FORMATION

2010-2016

ISSN 2289-4128



9 772289 4 12003

JABATAN PERANGKAAN MALAYSIA
DEPARTMENT OF STATISTICS, MALAYSIA



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Diterbitkan dan dicetak oleh / *Published and printed by:*

Jabatan Perangkaan Malaysia

Blok C6, Kompleks C,
Pusat Pentadbiran Kerajaan Persekutuan
62514 Putrajaya,
MALAYSIA

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Harga / *Price* : RM15.00

Diterbitkan pada Julai 2017 / *Published on July 2017*

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ISSN 2289-4128

KATA PENGANTAR

Penerbitan **Pembentukan Modal Tetap Kasar (PMTK)** menyediakan perangkaan PMTK bagi tahun 2010 hingga 2016 pada harga semasa dan harga malar berasaskan tahun 2010. Penerbitan ini mengandungi maklumat PMTK mengikut jenis aktiviti ekonomi, jenis aset dan sektor awam serta sektor swasta. Perangkaan ini adalah penting untuk mengukur potensi pengeluaran dan produktiviti dalam ekonomi Malaysia. Penyusunan PMTK ini juga adalah berdasarkan rangka kerja *System of National Accounts 2008*.

Ringkasan penemuan PMTK bagi tahun 2016 disediakan pada bahagian pertama penerbitan ini dan diikuti dengan jadual perangkaan. Nota teknikal dan sumber data turut disediakan pada bahagian terakhir penerbitan ini bagi memudahkan pemahaman mengenai perangkaan ini.

Jabatan merakamkan penghargaan atas kerjasama semua pihak dalam membekalkan data yang diperlukan dan menyumbang kepada kejayaan penerbitan ini.

DR. MOHD UZIR BIN MAHIDIN

Ketua Perangkawan Malaysia

Julai 2017

PREFACE

Gross Fixed Capital Formation (GFCF) publication presents the statistics of GFCF for year 2010 to 2016 at current and constant prices at base year 2010. This publication provides information on GFCF by kind of economic activity, type of assets as well as public sector and private sector. These statistics are essential to gauge the potential output and productivity in Malaysia's economy. Compilation of GFCF is also based on the framework of System of National Accounts 2008.

Summary of findings on GFCF for year 2016 are presented in the first part of this publication and followed by the statistical tables. Technical notes and data sources are also included in the last part of this publication to provide better understanding of the statistics.

The Department acknowledges the cooperation of all parties that have provided the required data and contributed to the success of this publication.

DR. MOHD UZIR BIN MAHIDIN

Chief Statistician Malaysia

July 2017

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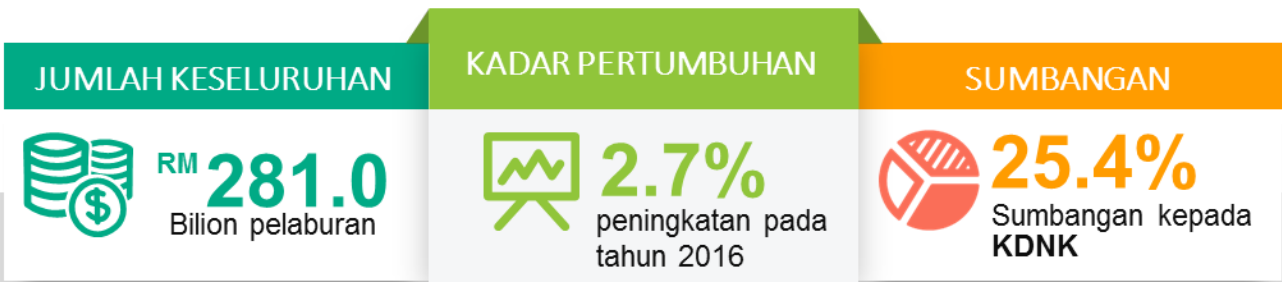
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PENEMUAN UTAMA PEMBENTUKAN MODAL TETAP KASAR 2016

Pelaburan aset tetap Malaysia merekod nilai RM281.0 bilion, peningkatan sebanyak 2.7% pada tahun 2016.*



* pada Harga Malar 2010

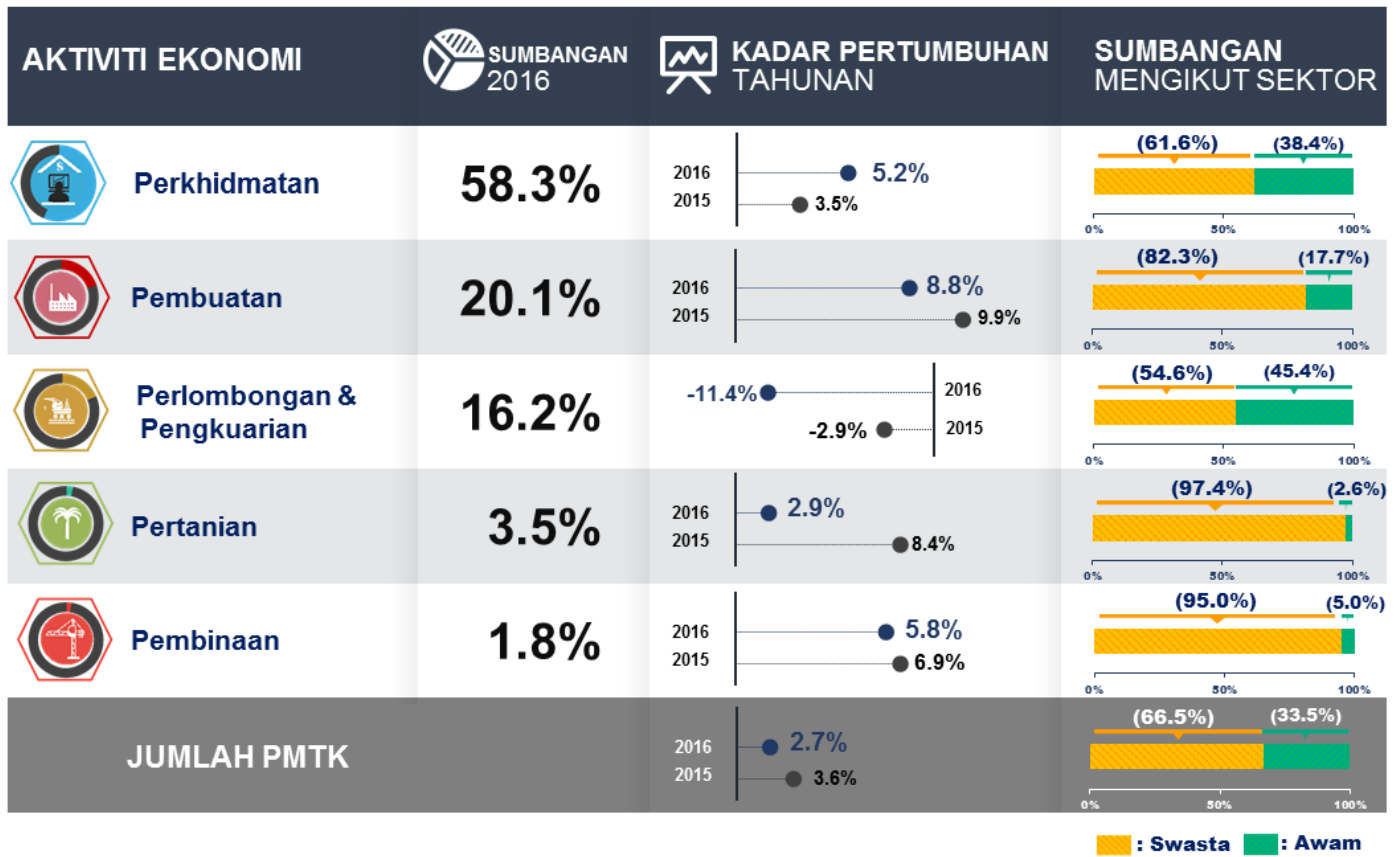
Mengikut Sektor

Sektor Swasta kekal sebagai pemangkin bagi pelaburan Malaysia dengan sumbangan sebanyak 66.5%.



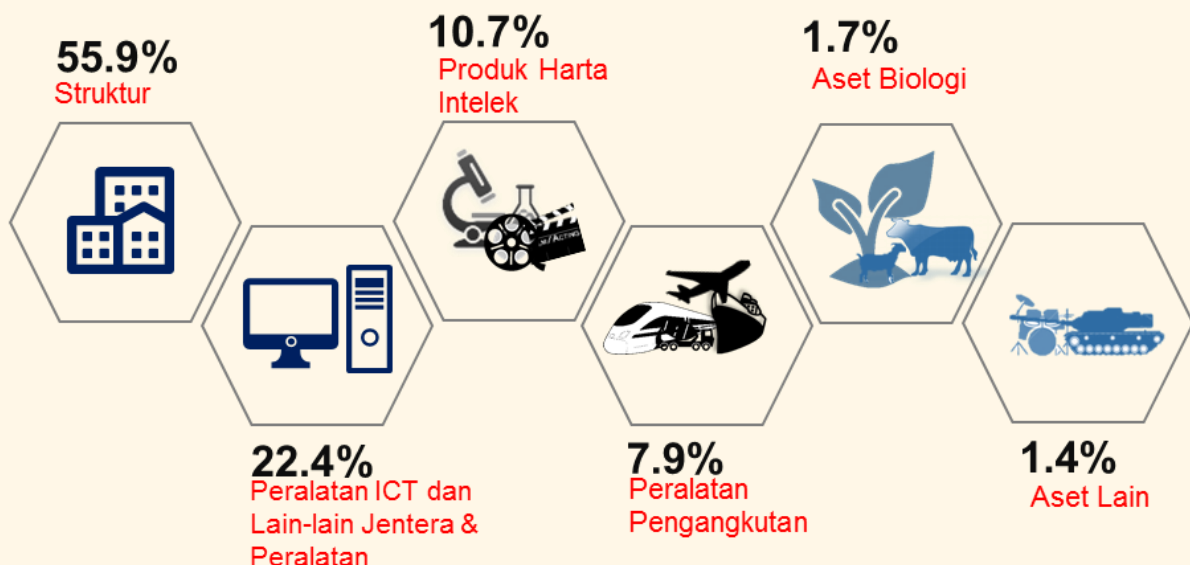
Mengikut Jenis Aktiviti Ekonomi

PMTK dirangsang oleh pertumbuhan **Perkhidmatan** yang lebih baik dan momentum berterusan bagi **Pembuatan**.



Mengikut Jenis Aset

Struktur dan **Peralatan ICT dan Lain-lain Jentera & Peralatan** merupakan penyumbang utama PMTK mengikut jenis aset.



Nota: Jumlah angka-angka komponen mungkin tidak bersamaan dengan angka jumlah kecil atau jumlah besar disebabkan pembundaran angka.



MAIN FINDINGS

GROSS FIXED CAPITAL FORMATION

2016

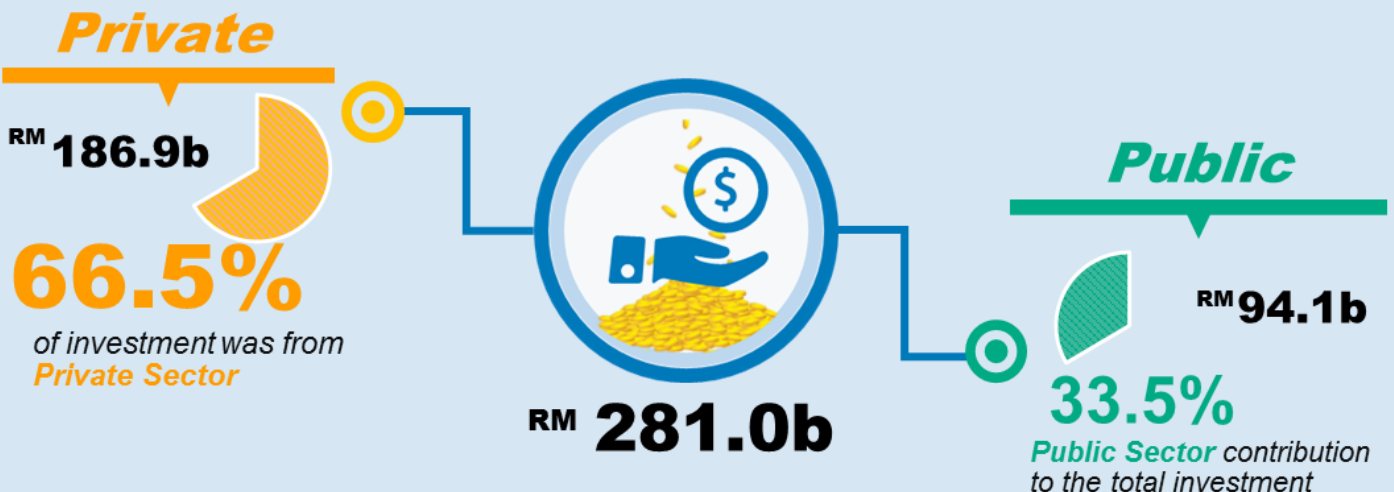
Malaysia investment in fixed assets recorded RM281.0 billion, an increased of 2.7% in year 2016.*



* at Constant 2010 Prices

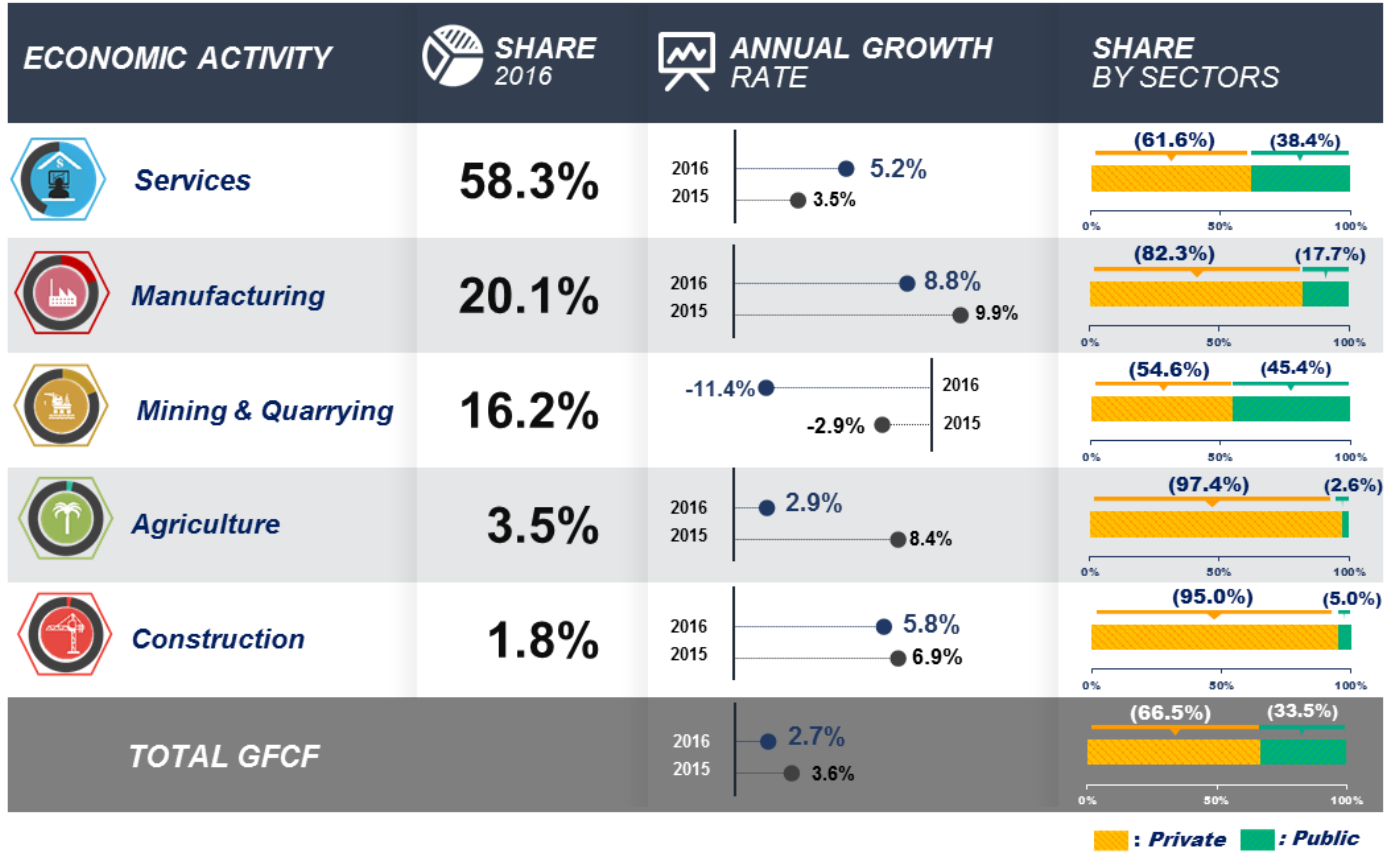
By Sector

Private sector sustained as the driving force of Malaysia's investment with a share of 66.5%.



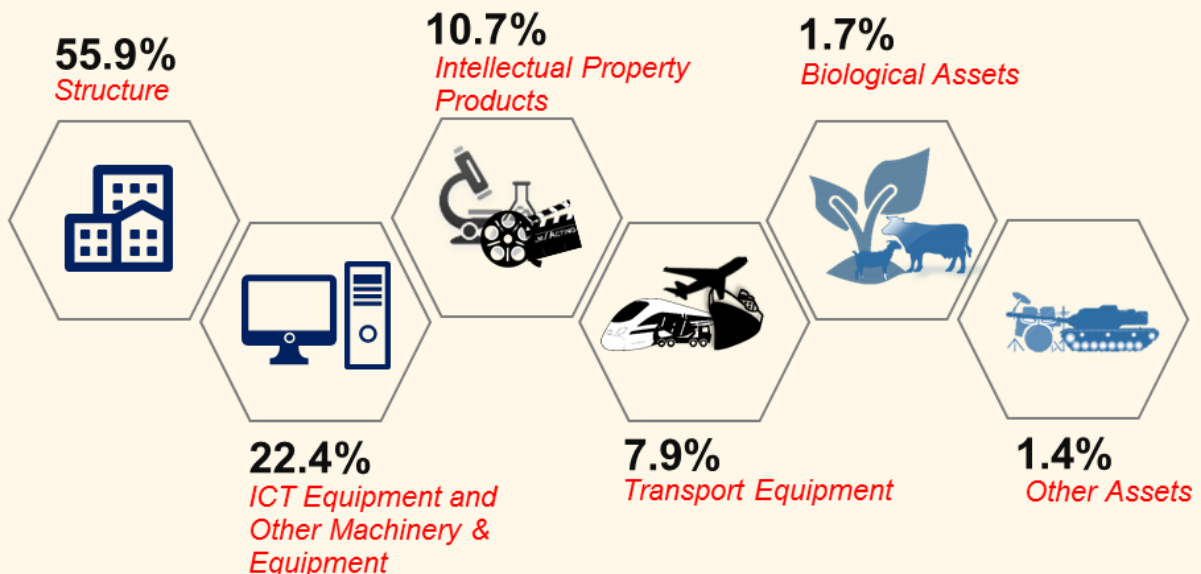
By Kind of Economic Activity

GFCF was stimulated by a better growth in **Services** and sustained momentum in **Manufacturing**.



By Type of Assets

Structure and **ICT Equipment and Other Machinery & Equipment** were the major contributors to GFCF by type of assets.



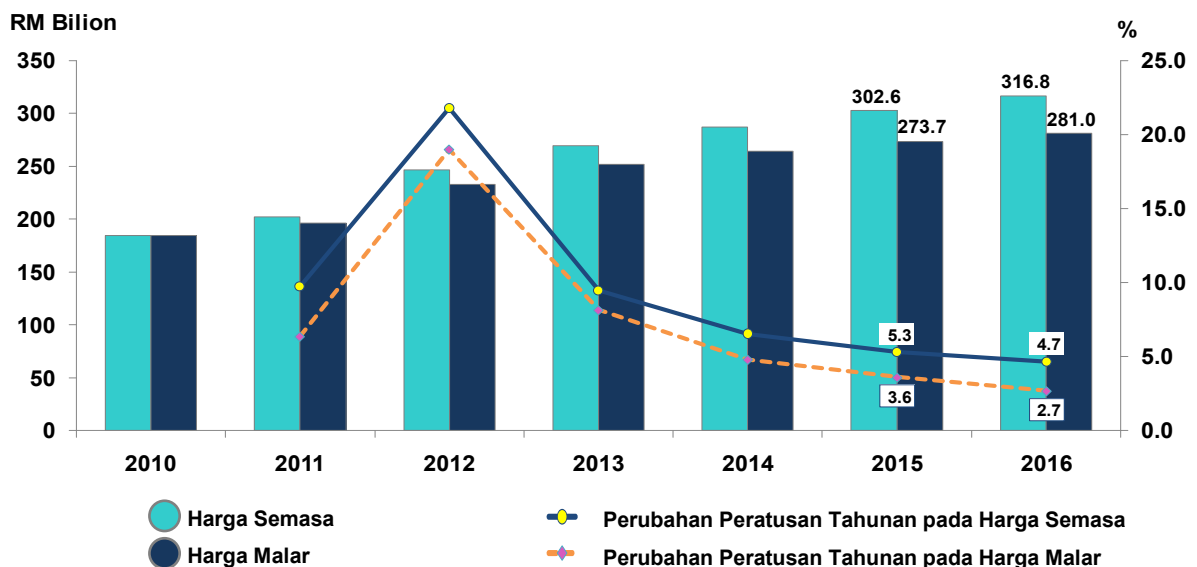
Note: The sum of the component figures may not tally with the sub-total or total figures due to rounding.

PEMBENTUKAN MODAL TETAP KASAR 2016

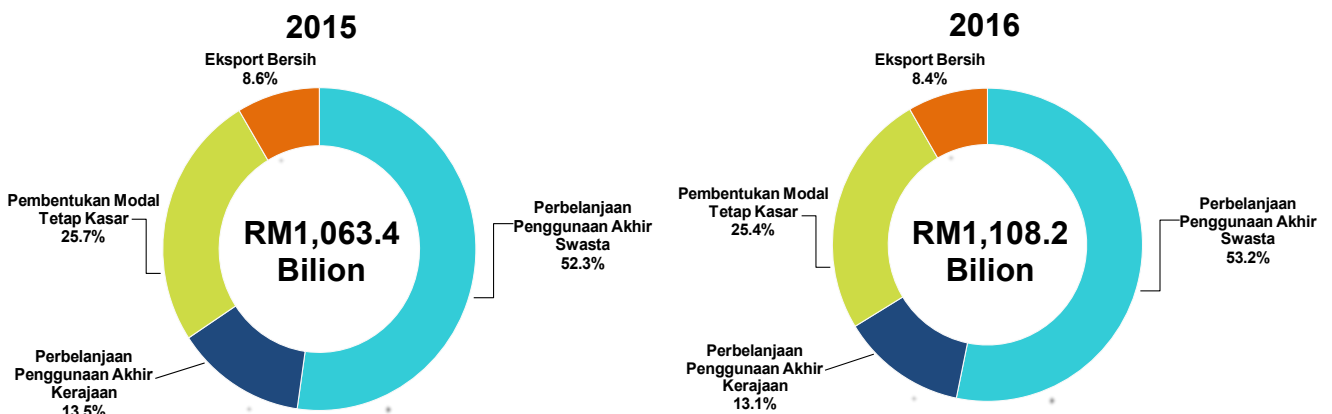
Pembentukan Modal Tetap Kasar (PMTK) meningkat kepada 2.7 peratus (**Carta 1**) disokong oleh pertumbuhan Perkhidmatan yang lebih baik dan momentum berterusan bagi Pembuatan. Walau bagaimanapun, kemerosotan Perlombongan & Pengkuarian telah mempengaruhi prestasi pelaburan bagi tahun 2016. PMTK mengekalkan kedudukan sebagai salah satu penyumbang utama kepada keseluruhan KDNK dengan sumbangan 25.4 peratus seperti yang digambarkan oleh **Carta 2**. Pelaburan aset tetap terus didorong oleh sektor Swasta. Sementara itu, Struktur merupakan peneraju mengikut jenis aset.

Pada harga nominal, PMTK meningkat kepada RM316.8 bilion berbanding RM302.6 bilion pada tahun sebelumnya.

Carta 1: PMTK bagi tahun 2010-2016 pada Harga Semasa dan Harga Malar 2010



Carta 2: Peratus Sumbangan KDNK mengikut Kaedah Perbelanjaan bagi tahun 2015 dan 2016 pada Harga Malar 2010



Nota: Tidak termasuk Perubahan Inventori, Barangan Berharga & Perbezaan Statistik

PMTK MENGIKUT JENIS AKTIVITI EKONOMI

Pada tahun 2016, PMTK bagi semua aktiviti mencatatkan pertumbuhan positif kecuali Perlombongan & Pengkuarian (**Jadual 1**) berikutan harga minyak mentah yang lebih rendah.

Jadual 1: PMTK bagi tahun 2015 dan 2016 pada Harga Malar 2010

Aktiviti Ekonomi	Sumbangan (%)		Perubahan Peratusan Tahunan (%)	
	2015	2016	2015	2016
Pertanian	3.5	3.5	8.4	2.9
Perlombongan & Pengkuarian	18.8	16.2	-2.9	-11.4
Pembuatan	19.0	20.1	9.9	8.8
Pembinaan	1.7	1.8	6.9	5.8
Perkhidmatan	56.9	58.3	3.5	5.2
JUMLAH PMTK	100.0	100.0	3.6	2.7

Perkhidmatan mencatatkan pertumbuhan 5.2 peratus (2015: 3.5%) dipacu terutamanya oleh Kewangan, Insurans, Hartanah & Perkhidmatan Perniagaan yang meningkat 13.5 peratus (2015: 13.7%). Tambahan pula, pemulihan Pengangkutan & Penyimpanan dan Maklumat & Komunikasi yang bertumbuh sebanyak 2.9 peratus (2015: -5.8%) telah menyokong pertumbuhan keseluruhan. Walau bagaimanapun, Perkhidmatan Lain (termasuk Perkhidmatan Kerajaan) menunjukkan trend yang berbeza dengan pertumbuhan negatif 1.4 peratus berbanding 0.4 peratus pada tahun sebelumnya.

Pelaburan oleh **Pembuatan** berkembang 8.8 peratus (2015: 9.9%) yang mana Produk Petroleum, Kimia, Getah dan Plastik mencatatkan pertumbuhan kukuh 25.2 peratus (2015: 18.1%). Pertumbuhan ini terus diperkukuhkan oleh Produk Elektrik, Elektronik & Optikal dan Peralatan Pengangkutan yang meningkat 2.8 peratus (2015: 5.3%). Sebaliknya, Makanan, Minuman & Tembakau merosot 8.5 peratus selepas mencatatkan pertumbuhan positif 8.2 peratus pada 2015.

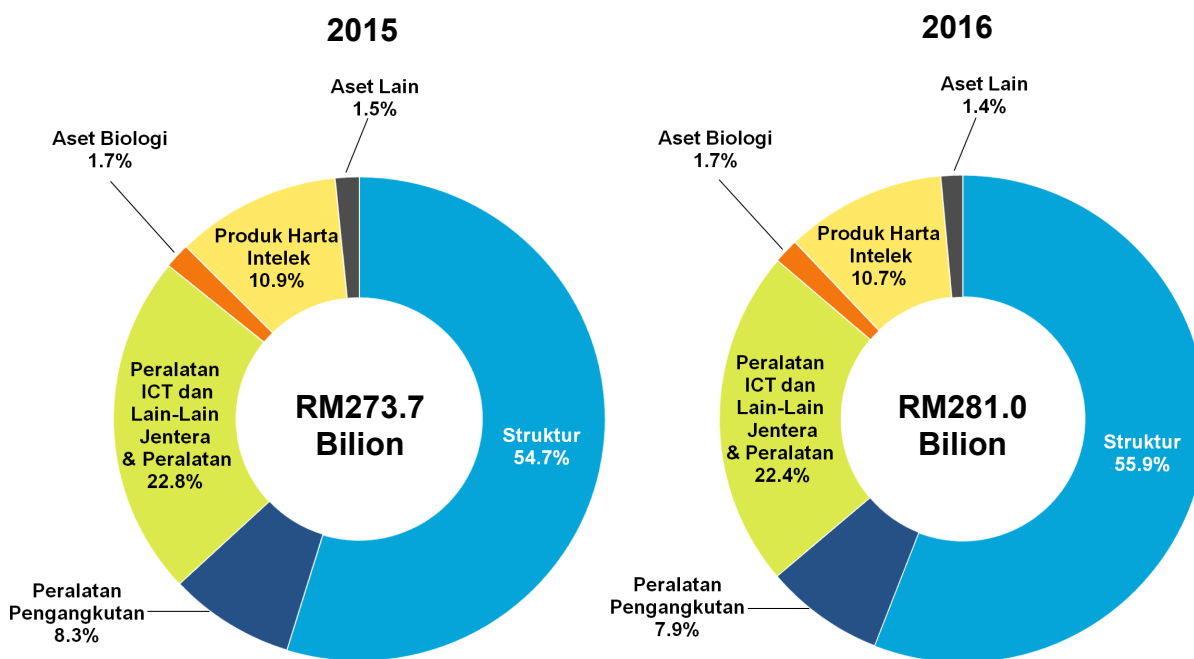
Pertanian bertumbuh perlahan kepada 2.9 peratus (2015: 8.4%) berikutan kemerosotan prestasi Getah dan Kelapa Sawit yang mencatatkan pertumbuhan 1.2 peratus (2015: 10.2%). Sementara itu, Ternakan dan Perikanan menokok kepada 8.8 peratus. **Pembinaan** meningkat 5.8 peratus pada tahun 2016 berbanding 6.9 peratus pada tahun sebelumnya.

Semenjak tahun 2015, penurunan ketara bagi harga minyak mentah telah menyebabkan pengurangan yang signifikan terhadap perolehan aset tetap bagi **Perlombongan & Pengkuarian** yang mencatatkan pertumbuhan negatif 11.4 peratus (2015: -2.9%).

PMTK MENGIKUT JENIS ASET

Mengikut perspektif jenis aset, **Struktur** mendominasi dengan sumbangan 55.9 peratus (**Carta 3**) yang bertumbuh 4.9 peratus pada tahun 2016. Walau bagaimanapun, sumbangan **Peralatan ICT dan Lain-lain Jentera & Peralatan** berkurang secara marginal kepada 22.4 peratus (sumbangan 2015: 22.8%) disebabkan oleh prestasi yang perlahan bagi jenis aset ini yang bertumbuh 0.8 peratus berbanding 4.1 peratus pada tahun sebelumnya.

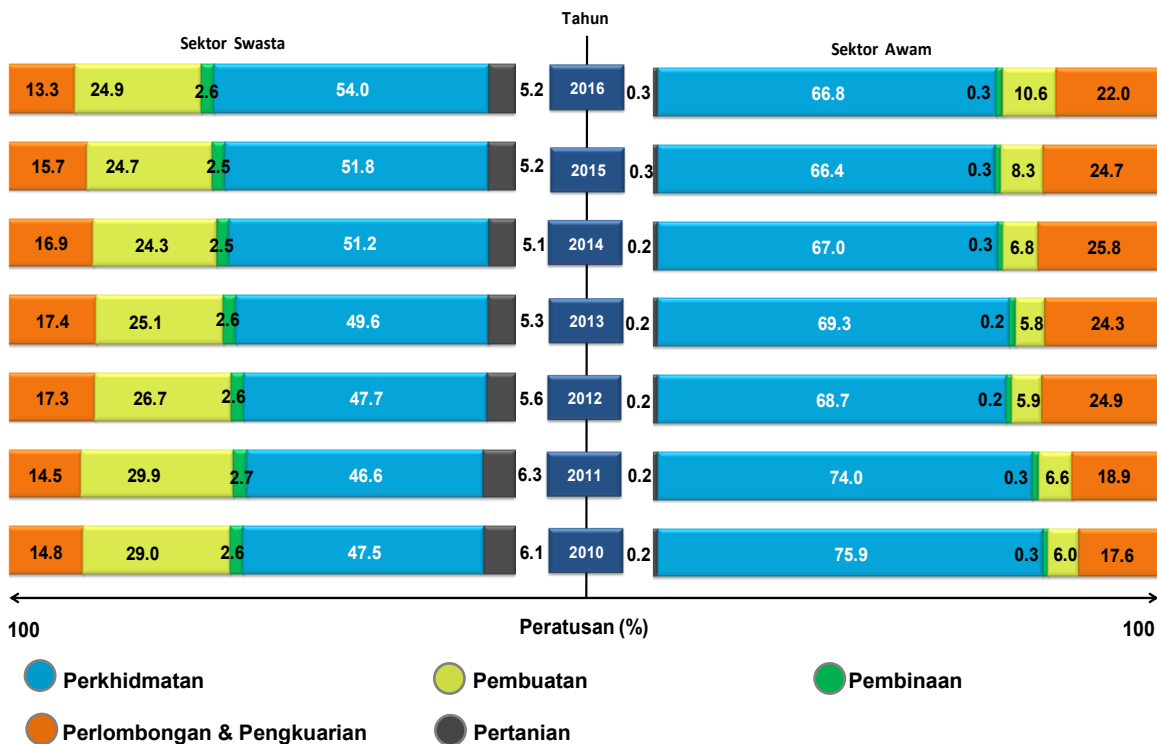
Carta 3: PMTK mengikut Jenis Aset bagi tahun 2015 dan 2016 pada Harga Malar 2010



PMTK MENGIKUT SEKTOR DAN JENIS AKTIVITI EKONOMI

Pada tahun 2016, **sektor Swasta** (sumbangan: 66.5%) kekal sebagai pemangkin bagi pelaburan Malaysia dengan mencatatkan pertumbuhan sebanyak 4.3 peratus. Sementara itu, pelaburan oleh **sektor Awam** merosot 0.5 peratus daripada pertumbuhan negatif 1.1 peratus pada tahun sebelumnya.

Carta 4: PMTK mengikut Sektor dan Jenis Aktiviti Ekonomi bagi tahun 2010-2016 pada Harga Malar 2010



Aktiviti Perkhidmatan dan Pembuatan merupakan pendorong utama **PMTK sektor Swasta (Carta 4)**. Sumbangan Perkhidmatan meningkat kepada 54.0 peratus (2015: 51.8%) manakala Pembuatan mengekalkan kedudukan sebagai penyumbang kedua dengan sumbangan 24.9 peratus (2015: 24.7%). Aktiviti-aktiviti lain menyumbang 21.1 peratus kepada jumlah keseluruhan PMTK Swasta.

PMTK sektor Awam sebahagian besarnya didominasi oleh aktiviti Perkhidmatan dan Perlombongan & Pengkuarian dengan masing-masing menyumbang sebanyak 66.8 peratus dan 22.0 peratus. Sementara itu, sumbangan bagi Pembuatan meningkat kepada 10.6 peratus (2015: 8.3%) disokong oleh aktiviti hiliran petroleum dan kimia.

SUMMARY OF FINDINGS

GROSS FIXED CAPITAL FORMATION 2016

Gross Fixed Capital Formation (GFCF) rose to 2.7 per cent (Chart 1) stimulated by a better growth in Services and sustained momentum in Manufacturing. Nevertheless, the contraction in Mining & Quarrying has influenced the investment performance in 2016. GFCF maintained its stronghold as one of the significant contributors to overall GDP with a share of 25.4 per cent as portrayed in Chart 2. The fixed asset investment was continuously led by the Private sector. Meanwhile, Structure was the main driver for type of assets.

In nominal terms, GFCF elevated further to RM316.8 billion as compared to RM302.6 billion in the preceding year.

Chart 1: GFCF for year 2010-2016 at Current Prices and Constant 2010 Prices

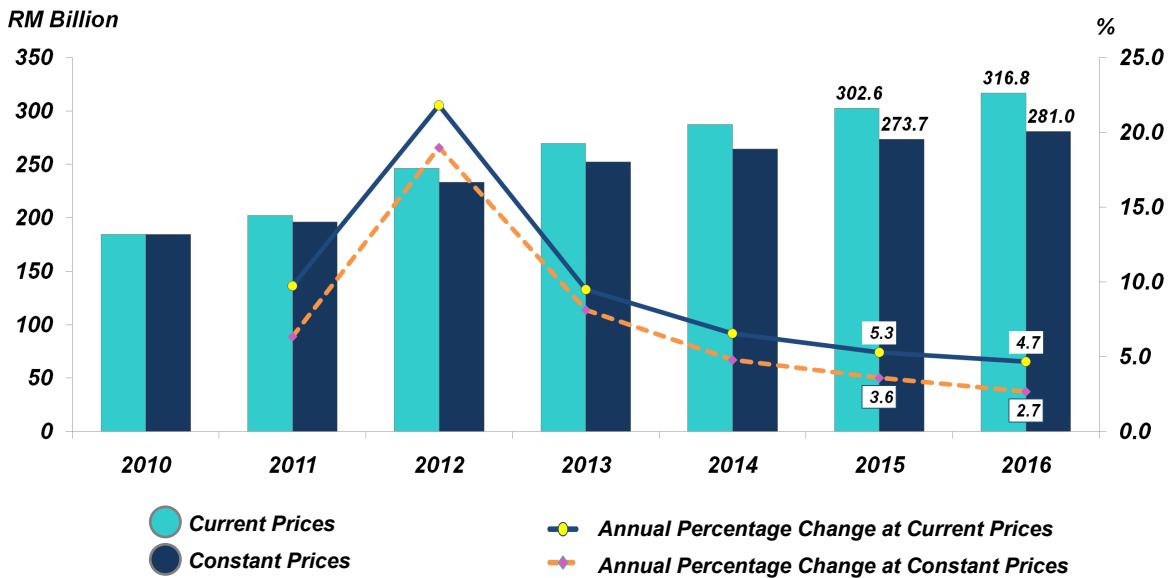
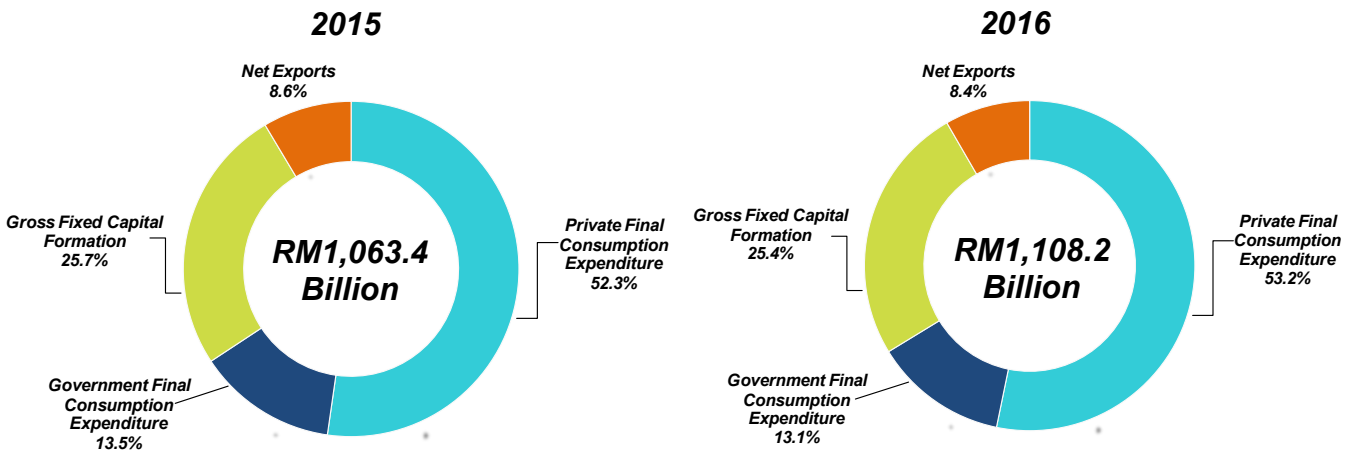


Chart 2: Percentage Share of GDP by Expenditure Approach for year 2015 and 2016 at Constant 2010 Prices



Note: Exclude Changes in Inventories, Valuables & Statistical Discrepancy

GFCF BY KIND OF ECONOMIC ACTIVITY

In 2016, GFCF for all activities posted a positive growth with the exception of Mining & Quarrying (Table 1) due to lower crude oil prices.

Table 1: GFCF for year 2015 and 2016 at Constant 2010 Prices

Economic Activity	Share (%)		Annual Percentage Change (%)	
	2015	2016	2015	2016
Agriculture	3.5	3.5	8.4	2.9
Mining & Quarrying	18.8	16.2	-2.9	-11.4
Manufacturing	19.0	20.1	9.9	8.8
Construction	1.7	1.8	6.9	5.8
Services	56.9	58.3	3.5	5.2
TOTAL GFCF	100.0	100.0	3.6	2.7

Services posted a growth of 5.2 per cent (2015: 3.5%) driven mainly by the Finance, Insurance, Real Estate & Business Services which grew 13.5 per cent (2015: 13.7%). Furthermore, a rebound in Transportation & Storage and Information & Communication to 2.9 per cent (2015: -5.8%) supported the overall growth. Nevertheless, Other Services (including Government Services) showed a reverse trend to negative 1.4 per cent as compared to 0.4 per cent in the previous year.

Investment in **Manufacturing** expanded 8.8 per cent (2015: 9.9%) as Petroleum, Chemical, Rubber and Plastic Products posted a robust growth of 25.2 per cent (2015: 18.1%). The growth was further reinforced by 2.8 per cent increase in Electrical, Electronic & Optical Products and Transport Equipment (2015: 5.3%). On the other hand, Food, Beverages & Tobacco decreased 8.5 per cent after registering positive growth of 8.2 per cent in 2015.

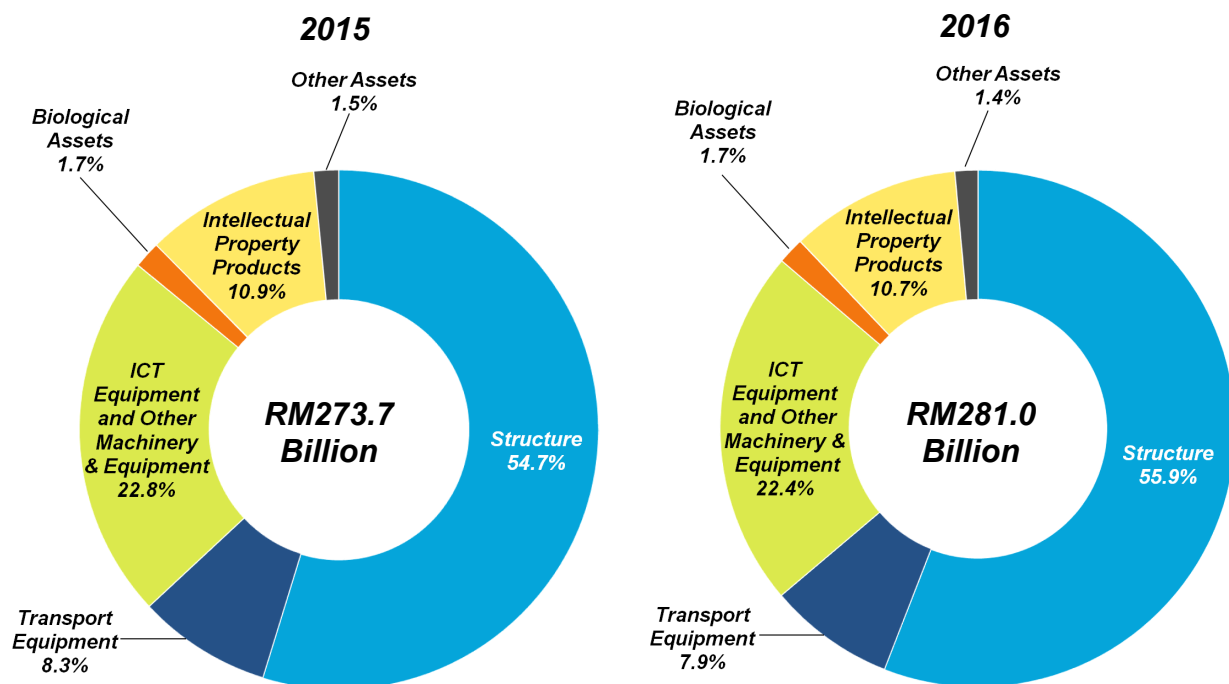
Agriculture eased to 2.9 per cent (2015: 8.4%) due to a sluggish performance in Rubber and Oil Palm with a growth of 1.2 per cent (2015: 10.2%). On the positive note, Livestock and Fishing improved to 8.8 per cent. **Construction** grew 5.8 per cent in 2016 as compared to 6.9 per cent in previous year.

The major drop in crude oil prices since 2015 has significantly reduced the new acquisition of fixed asset in **Mining & Quarrying** which posted a negative growth of 11.4 per cent (2015: -2.9%).

GFCF BY TYPE OF ASSETS

From the perspective by type of assets, **Structure** dominated with a share of 55.9 per cent (**Chart 3**) which grew 4.9 per cent in 2016. However, the contribution of **ICT Equipment and Other Machinery & Equipment** has marginally reduced to 22.4 per cent (share 2015: 22.8%) due to the lethargic performance of these types of asset which grew 0.8 per cent as compared to 4.1 per cent in the previous year.

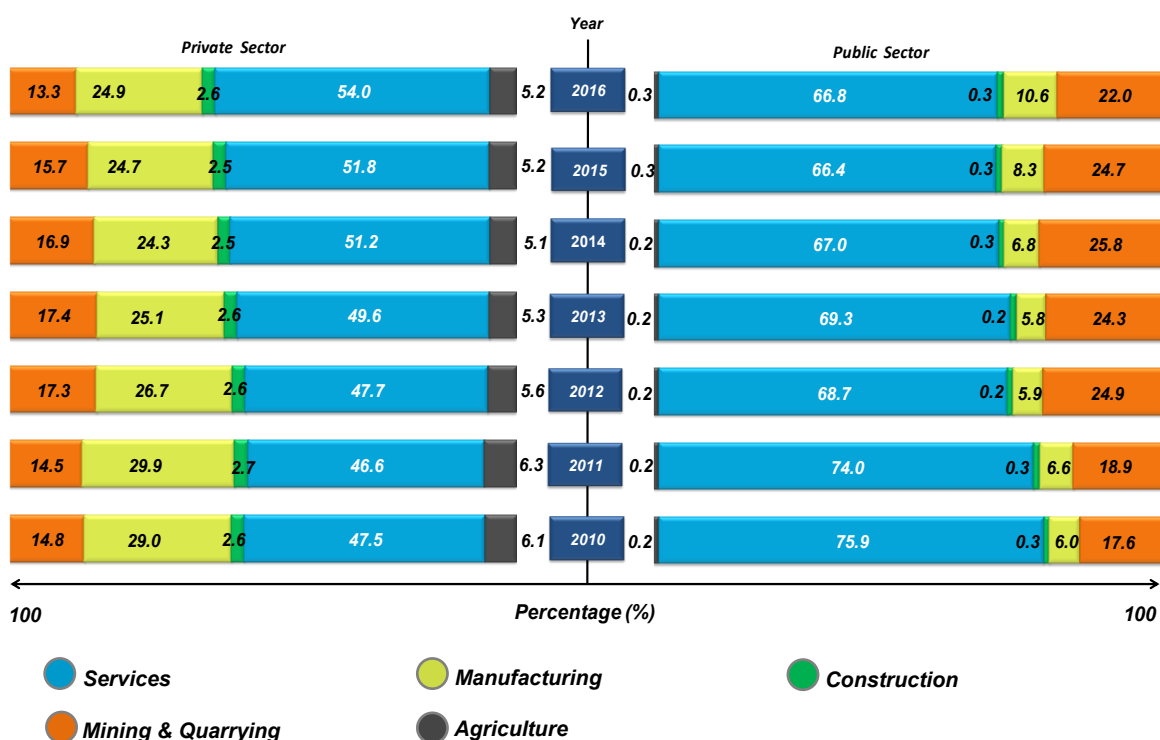
Chart 3: GFCF by Type of Assets for year 2015 and 2016 at Constant 2010 Prices



GFCF BY SECTOR AND KIND OF ECONOMIC ACTIVITY

Private sector (share: 66.5%) remained as the catalyst of Malaysia’s investment with a growth of 4.3 per cent in 2016. Meanwhile, the investment in **Public sector** marginally declined to 0.5 per cent from a negative growth of 1.1 per cent in the preceding year.

Chart 4: GFCF by Sector and Kind of Economic Activity for year 2010-2016 at Constant 2010 Prices



Services and Manufacturing activities were the main impetus in **GFCF of Private sector (Chart 4)**. The share of Services stepped-up to 54.0 per cent (2015: 51.8%) while Manufacturing maintained its position as the second contributor with a share of 24.9 per cent (2015: 24.7%) . The remaining activities made-up 21.1 per cent of the total Private GFCF.

GFCF of Public sector was largely dominated by Services and Mining & Quarrying activities with a share of 66.8 per cent and 22.0 per cent respectively. Meanwhile, the share of Manufacturing improved further to 10.6 per cent (2015: 8.3%) attributed by petroleum and chemical downstream activities.

JADUAL
TABLES

JADUAL 1A PMTK mengikut Jenis Aktiviti Ekonomi pada Harga Semasa
TABLE 1A GFCF by Kind of Economic Activity at Current Prices

RM Juta/ Million

Jenis aktiviti ekonomi	Tahun/ Year							Kind of economic activity
	2010	2011	2012	2013	2014	2015 ^a	2016 ^b	
Pertanian	6,351	7,676	8,444	8,786	9,571	10,516	11,024	Agriculture
Getah dan kelapa sawit	4,212	5,127	5,712	5,778	6,234	6,973	7,147	Rubber and oil palm
Ternakan dan perikanan	1,329	1,578	1,686	1,916	2,167	2,343	2,634	Livestock and fishing
Pertanian lain	810	972	1,046	1,092	1,171	1,199	1,243	Other agriculture
Perlombongan dan pengkuarian	29,629	33,312	50,728	54,479	57,427	55,992	49,548	Mining and quarrying
Pembuatan	34,415	39,671	43,351	46,172	50,475	56,292	62,247	Manufacturing
Makanan, minuman dan tembakau	3,201	4,166	4,890	5,748	6,419	7,022	6,513	Food, beverages and tobacco
Produk tekstil dan kayu	2,038	2,620	3,007	2,719	2,827	2,874	2,853	Textiles and wood products
Produk petroleum, kimia, getah dan plastik	9,222	9,985	14,499	14,952	16,956	20,382	26,016	Petroleum, chemical, rubber and plastic products
Produk mineral bukan logam, logam asas dan produk logam yang direka	5,034	5,246	4,159	4,459	4,850	5,311	5,337	Non-metallic mineral products, basic metal and fabricated metal products
Produk elektrik, elektronik & optikal dan peralatan pengangkutan	14,920	17,654	16,796	18,293	19,422	20,702	21,528	Electrical, electronic & optical products and transport equipment
Pembinaan	2,823	3,314	3,914	4,292	4,687	5,054	5,417	Construction
Perkhidmatan	111,074	118,278	139,906	155,970	165,234	174,787	188,551	Services
Perdagangan borong dan runcit	8,540	9,894	11,416	12,176	13,412	14,629	15,550	Wholesale and retail trade
Makanan & minuman dan penginapan	1,633	1,942	2,300	2,631	3,054	3,637	4,050	Food & beverage and accommodation
Pengangkutan & penyimpanan dan maklumat & komunikasi	27,230	28,461	36,206	42,589	43,500	41,479	43,490	Transportation & storage and information & communication
Kewangan, insurans, hartanah dan perkhidmatan perniagaan	22,469	26,883	34,920	41,501	50,906	59,397	69,276	Finance, insurance, real estate and business services
Perkhidmatan lain (termasuk perkhidmatan kerajaan)	51,202	51,098	55,065	57,073	54,361	55,645	56,185	Other services (including government services)
Jumlah	184,292	202,251	246,343	269,699	287,393	302,640	316,787	Total

JADUAL 1B PMTK mengikut Jenis Aktiviti Ekonomi pada Harga Malar 2010
TABLE 1B GFCF by Kind of Economic Activity at Constant 2010 Prices

RM Juta/ Million

Jenis aktiviti ekonomi	Tahun/ Year							Kind of economic activity
	2010	2011	2012	2013	2014	2015 ^a	2016 ^b	
Pertanian	6,351	7,161	7,789	8,272	8,895	9,639	9,919	Agriculture
Getah dan kelapa sawit	4,212	4,799	5,192	5,457	5,816	6,411	6,486	Rubber and oil palm
Ternakan dan perikanan	1,329	1,431	1,628	1,811	2,020	2,163	2,353	Livestock and fishing
Pertanian lain	810	931	969	1,003	1,059	1,064	1,080	Other agriculture
Perlombongan dan pengkuarian	29,629	32,146	47,902	50,876	53,098	51,570	45,668	Mining and quarrying
Pembuatan	34,415	38,818	41,788	44,019	47,369	52,056	56,618	Manufacturing
Makanan, minuman dan tembakau	3,201	4,059	4,724	5,503	6,052	6,547	5,990	Food, beverages and tobacco
Produk tekstil dan kayu	2,038	2,577	2,907	2,605	2,669	2,680	2,628	Textiles and wood products
Produk petroleum, kimia, getah dan plastik	9,222	9,693	13,852	14,131	15,736	18,581	23,261	Petroleum, chemical, rubber and plastic products
Produk mineral bukan logam, logam asas dan produk logam yang direka	5,034	5,136	4,003	4,251	4,553	4,922	4,877	Non-metallic mineral products, basic metal and fabricated metal products
Produk elektrik, elektronik & optikal dan peralatan pengangkutan	14,920	17,353	16,301	17,529	18,360	19,326	19,863	Electrical, electronic & optical products and transport equipment
Pembinaan	2,823	3,255	3,802	4,131	4,468	4,777	5,053	Construction
Perkhidmatan	111,074	114,616	131,922	144,864	150,411	155,682	163,779	Services
Perdagangan borong dan runcit	8,540	9,548	10,774	11,330	12,245	13,105	13,642	Wholesale and retail trade
Makanan & minuman dan penginapan	1,633	1,892	2,193	2,476	2,822	3,302	3,607	Food & beverage and accommodation
Pengangkutan & penyimpanan dan maklumat & komunikasi	27,230	27,936	34,846	40,519	40,762	38,378	39,506	Transportation & storage and information & communication
Kewangan, insurans, hartanah dan perkhidmatan perniagaan	22,469	25,619	31,934	37,255	44,629	50,728	57,575	Finance, insurance, real estate and business services
Perkhidmatan lain (termasuk perkhidmatan kerajaan)	51,202	49,622	52,177	53,284	49,953	50,169	49,448	Other services (including government services)
Jumlah	184,292	195,996	233,203	252,162	264,242	273,724	281,036	Total

JADUAL 1C PMTK mengikut Jenis Aktiviti Ekonomi pada Harga Semasa - Perubahan Peratusan Tahunan
TABLE 1C GFCF by Kind of Economic Activity at Current Prices - Annual Percentage Change

(%)

Jenis aktiviti ekonomi	Tahun/ Year						Kind of economic activity
	2011	2012	2013	2014	2015 ^e	2016 ^p	
Pertanian	20.9	10.0	4.1	8.9	9.9	4.8	Agriculture
Getah dan kelapa sawit	21.7	11.4	1.2	7.9	11.9	2.5	Rubber and oil palm
Ternakan dan perikanan	18.7	6.9	13.7	13.1	8.1	12.4	Livestock and fishing
Pertanian lain	20.0	7.6	4.4	7.2	2.4	3.7	Other agriculture
Perlombongan dan pengkuarian	12.4	52.3	7.4	5.4	-2.5	-11.5	Mining and quarrying
Pembuatan	15.3	9.3	6.5	9.3	11.5	10.6	Manufacturing
Makanan, minuman dan tembakau	30.2	17.4	17.5	11.7	9.4	-7.3	Food, beverages and tobacco
Produk tekstil dan kayu	28.6	14.8	-9.6	4.0	1.7	-0.7	Textiles and wood products
Produk petroleum, kimia, getah dan plastik	8.3	45.2	3.1	13.4	20.2	27.6	Petroleum, chemical, rubber and plastic products
Produk mineral bukan logam, logam asas dan produk logam yang direka	4.2	-20.7	7.2	8.8	9.5	0.5	Non-metallic mineral products, basic metal and fabricated metal products
Produk elektrik, elektronik & optikal dan peralatan pengangkutan	18.3	-4.9	8.9	6.2	6.6	4.0	Electrical, electronic & optical products and transport equipment
Pembinaan	17.4	18.1	9.6	9.2	7.8	7.2	Construction
Perkhidmatan	6.5	18.3	11.5	5.9	5.8	7.9	Services
Perdagangan borong dan runcit	15.9	15.4	6.7	10.2	9.1	6.3	Wholesale and retail trade
Makanan & minuman dan penginapan	18.9	18.4	14.4	16.1	19.1	11.4	Food & beverage and accommodation
Pengangkutan & penyimpanan dan maklumat & komunikasi	4.5	27.2	17.6	2.1	-4.6	4.8	Transportation & storage and information & communication
Kewangan, insurans, hartanah dan perkhidmatan perniagaan	19.6	29.9	18.8	22.7	16.7	16.6	Finance, insurance, real estate and business services
Perkhidmatan lain (termasuk perkhidmatan kerajaan)	-0.2	7.8	3.6	-4.8	2.4	1.0	Other services (including government services)
Jumlah	9.7	21.8	9.5	6.6	5.3	4.7	Total

JADUAL 1D PMTK mengikut Jenis Aktiviti Ekonomi pada Harga Malar 2010 - Perubahan Peratusan Tahunan
TABLE 1D GFCF by Kind of Economic Activity at Constant 2010 Prices - Annual Percentage Change

(%)

Jenis aktiviti ekonomi	Tahun/ Year						Kind of economic activity
	2011	2012	2013	2014	2015 ^e	2016 ^p	
Pertanian	12.7	8.8	6.2	7.5	8.4	2.9	Agriculture
Getah dan kelapa sawit	14.0	8.2	5.1	6.6	10.2	1.2	Rubber and oil palm
Ternakan dan perikanan	7.6	13.8	11.3	11.5	7.1	8.8	Livestock and fishing
Pertanian lain	14.9	4.1	3.6	5.5	0.5	1.5	Other agriculture
Perlombongan dan pengkuarian	8.5	49.0	6.2	4.4	-2.9	-11.4	Mining and quarrying
Pembuatan	12.8	7.7	5.3	7.6	9.9	8.8	Manufacturing
Makanan, minuman dan tembakau	26.8	16.4	16.5	10.0	8.2	-8.5	Food, beverages and tobacco
Produk tekstil dan kayu	26.4	12.8	-10.4	2.4	0.4	-1.9	Textiles and wood products
Produk petroleum, kimia, getah dan plastik	5.1	42.9	2.0	11.4	18.1	25.2	Petroleum, chemical, rubber and plastic products
Produk mineral bukan logam, logam asas dan produk logam yang direka	2.0	-22.1	6.2	7.1	8.1	-0.9	Non-metallic mineral products, basic metal and fabricated metal products
Produk elektrik, elektronik & optikal dan peralatan pengangkutan	16.3	-6.1	7.5	4.7	5.3	2.8	Electrical, electronic & optical products and transport equipment
Pembinaan	15.3	16.8	8.6	8.2	6.9	5.8	Construction
Perkhidmatan	3.2	15.1	9.8	3.8	3.5	5.2	Services
Perdagangan borong dan runcit	11.8	12.8	5.2	8.1	7.0	4.1	Wholesale and retail trade
Makanan & minuman dan penginapan	15.8	15.9	12.9	14.0	17.0	9.3	Food & beverage and accommodation
Pengangkutan & penyimpanan dan maklumat & komunikasi	2.6	24.7	16.3	0.6	-5.8	2.9	Transportation & storage and information & communication
Kewangan, insurans, hartanah dan perkhidmatan perniagaan	14.0	24.6	16.7	19.8	13.7	13.5	Finance, insurance, real estate and business services
Perkhidmatan lain (termasuk perkhidmatan kerajaan)	-3.1	5.1	2.1	-6.3	0.4	-1.4	Other services (including government services)
Jumlah	6.4	19.0	8.1	4.8	3.6	2.7	Total

JADUAL 1E PMTK mengikut Jenis Aktiviti Ekonomi pada Harga Semasa - Peratus Sumbangan kepada Jumlah PMTK
TABLE 1E GFCF by Kind of Economic Activity at Current Prices - Percentage Share to Total GFCF

(%)

Jenis aktiviti ekonomi	Tahun/ Year							Kind of economic activity
	2010	2011	2012	2013	2014	2015 ^a	2016 ^b	
Pertanian	3.4	3.8	3.4	3.3	3.3	3.5	3.5	Agriculture
Getah dan kelapa sawit	2.3	2.5	2.3	2.1	2.2	2.3	2.3	Rubber and oil palm
Ternakan dan perikanan	0.7	0.8	0.7	0.7	0.8	0.8	0.8	Livestock and fishing
Pertanian lain	0.4	0.5	0.4	0.4	0.4	0.4	0.4	Other agriculture
Perlombongan dan pengkuarian	16.1	16.5	20.6	20.2	20.0	18.5	15.6	Mining and quarrying
Pembuatan	18.7	19.6	17.6	17.1	17.6	18.6	19.6	Manufacturing
Makanan, minuman dan tembakau	1.7	2.1	2.0	2.1	2.2	2.3	2.1	Food, beverages and tobacco
Produk tekstil dan kayu	1.1	1.3	1.2	1.0	1.0	0.9	0.9	Textiles and wood products
Produk petroleum, kimia, getah dan plastik	5.0	4.9	5.9	5.5	5.9	6.7	8.2	Petroleum, chemical, rubber and plastic products
Produk mineral bukan logam, logam asas dan produk logam yang direka	2.7	2.6	1.7	1.7	1.7	1.8	1.7	Non-metallic mineral products, basic metal and fabricated metal products
Produk elektrik, elektronik & optikal dan peralatan pengangkutan	8.1	8.7	6.8	6.8	6.8	6.8	6.8	Electrical, electronic & optical products and transport equipment
Pembinaan	1.5	1.6	1.6	1.6	1.6	1.7	1.7	Construction
Perkhidmatan	60.3	58.5	56.8	57.8	57.5	57.8	59.5	Services
Perdagangan borong dan runcit	4.6	4.9	4.6	4.5	4.7	4.8	4.9	Wholesale and retail trade
Makanan & minuman dan penginapan	0.9	1.0	0.9	1.0	1.1	1.2	1.3	Food & beverage and accommodation
Pengangkutan & penyimpanan dan maklumat & komunikasi	14.8	14.1	14.7	15.8	15.1	13.7	13.7	Transportation & storage and information & communication
Kewangan, insurans, hartanah dan perkhidmatan perniagaan	12.2	13.3	14.2	15.4	17.7	19.6	21.9	Finance, insurance, real estate and business services
Perkhidmatan lain (termasuk perkhidmatan kerajaan)	27.8	25.3	22.4	21.2	18.9	18.4	17.7	Other services (including government services)
Jumlah	100.0	100.0	100.0	100.0	100.0	100.0	100.0	Total

JADUAL 1F PMTK mengikut Jenis Aktiviti Ekonomi pada Harga Malar 2010 - Peratus Sumbangan kepada Jumlah PMTK
TABLE 1F GFCF by Kind of Economic Activity at Constant 2010 Prices - Percentage Share to Total GFCF

(%)

Jenis aktiviti ekonomi	Tahun/ Year							Kind of economic activity
	2010	2011	2012	2013	2014	2015 ^a	2016 ^b	
Pertanian	3.4	3.7	3.3	3.3	3.4	3.5	3.5	Agriculture
Getah dan kelapa sawit	2.3	2.4	2.2	2.2	2.2	2.3	2.3	Rubber and oil palm
Ternakan dan perikanan	0.7	0.7	0.7	0.7	0.8	0.8	0.8	Livestock and fishing
Pertanian lain	0.4	0.5	0.4	0.4	0.4	0.4	0.4	Other agriculture
Perlombongan dan pengkuarian	16.1	16.4	20.5	20.2	20.1	18.8	16.2	Mining and quarrying
Pembuatan	18.7	19.8	17.9	17.5	17.9	19.0	20.1	Manufacturing
Makanan, minuman dan tembakau	1.7	2.1	2.0	2.2	2.3	2.4	2.1	Food, beverages and tobacco
Produk tekstil dan kayu	1.1	1.3	1.2	1.0	1.0	1.0	0.9	Textiles and wood products
Produk petroleum, kimia, getah dan plastik	5.0	4.9	5.9	5.6	6.0	6.8	8.3	Petroleum, chemical, rubber and plastic products
Produk mineral bukan logam, logam asas dan produk logam yang direka	2.7	2.6	1.7	1.7	1.7	1.8	1.7	Non-metallic mineral products, basic metal and fabricated metal products
Produk elektrik, elektronik & optikal dan peralatan pengangkutan	8.1	8.9	7.0	7.0	6.9	7.1	7.1	Electrical, electronic & optical products and transport equipment
Pembinaan	1.5	1.7	1.6	1.6	1.7	1.7	1.8	Construction
Perkhidmatan	60.3	58.5	56.6	57.4	56.9	56.9	58.3	Services
Perdagangan borong dan runcit	4.6	4.9	4.6	4.5	4.6	4.8	4.9	Wholesale and retail trade
Makanan & minuman dan penginapan	0.9	1.0	0.9	1.0	1.1	1.2	1.3	Food & beverage and accommodation
Pengangkutan & penyimpanan dan maklumat & komunikasi	14.8	14.3	14.9	16.1	15.4	14.0	14.1	Transportation & storage and information & communication
Kewangan, insurans, hartanah dan perkhidmatan perniagaan	12.2	13.1	13.7	14.8	16.9	18.5	20.5	Finance, insurance, real estate and business services
Perkhidmatan lain (termasuk perkhidmatan kerajaan)	27.8	25.3	22.4	21.1	18.9	18.3	17.6	Other services (including government services)
Jumlah	100.0	100.0	100.0	100.0	100.0	100.0	100.0	Total

JADUAL 2A PMTK mengikut Jenis Aktiviti Ekonomi dan Jenis Aset pada Harga Semasa
TABLE 2A GFCF by Kind of Economic Activity and Type of Assets at Current Prices

RM Juta/ Million

Jenis aktiviti ekonomi dan jenis aset		Tahun/ Year							Kind of economic activity and type of assets	
		2010	2011	2012	2013	2014	2015 ^a	2016 ^p		
Pertanian	Struktur	1,086	1,514	1,748	2,033	2,285	2,532	2,729	Structure	Agriculture
	Jentera dan peralatan	1,516	1,632	1,850	2,112	2,394	2,709	2,893	Machinery and equipment	
	Aset lain	3,749	4,531	4,845	4,642	4,892	5,274	5,402	Other assets	
Perombongan dan pengkuarian	Struktur	15,866	17,991	28,567	32,125	33,989	33,324	29,480	Structure	Mining and quarrying
	Jentera dan peralatan	10,958	10,649	15,564	14,921	15,589	15,160	13,028	Machinery and equipment	
	Aset lain	2,805	4,671	6,597	7,433	7,848	7,507	7,041	Other assets	
Pembuatan	Struktur	7,270	10,359	11,086	12,084	14,061	16,875	19,889	Structure	Manufacturing
	Jentera dan peralatan	22,492	24,578	27,396	28,995	31,128	33,937	36,833	Machinery and equipment	
	Aset lain	4,653	4,734	4,870	5,093	5,285	5,479	5,525	Other assets	
Pembinaan	Struktur	509	706	884	946	1,023	1,102	1,159	Structure	Construction
	Jentera dan peralatan	2,258	2,539	2,955	3,264	3,580	3,865	4,169	Machinery and equipment	
	Aset lain	57	68	75	82	84	87	89	Other assets	
Perkhidmatan	Struktur	64,033	67,470	83,205	94,039	106,808	118,918	132,334	Structure	Services
	Jentera dan peralatan	42,019	43,848	49,263	53,782	50,676	47,641	48,354	Machinery and equipment	
	Aset lain	5,022	6,960	7,438	8,149	7,749	8,228	7,863	Other assets	
Jumlah	Struktur	88,763	98,040	125,491	141,227	158,167	172,752	185,589	Structure	Total
	Jentera dan peralatan	79,244	83,247	97,028	103,073	103,367	103,314	105,278	Machinery and equipment	
	Aset lain	16,285	20,964	23,825	25,399	25,859	26,575	25,920	Other assets	
Jumlah		184,292	202,251	246,343	269,699	287,393	302,640	316,787	Total	

JADUAL 2B PMTK mengikut Jenis Aktiviti Ekonomi dan Jenis Aset pada Harga Semasa - Peratus Sumbangan mengikut Jenis Aset
TABLE 2B GFCF by Kind of Economic Activity and Type of Assets at Current Prices - Percentage Share by Type of Assets

(%)

Jenis aktiviti ekonomi dan jenis aset		Tahun/ Year							Kind of economic activity and type of assets	
		2010	2011	2012	2013	2014	2015 ^a	2016 ^p		
Pertanian	Struktur	17.1	19.7	20.7	23.1	23.9	24.1	24.8	Structure	Agriculture
	Jentera dan peralatan	23.9	21.3	21.9	24.0	25.0	25.8	26.2	Machinery and equipment	
	Aset lain	59.0	59.0	57.4	52.8	51.1	50.2	49.0	Other assets	
Perombongan dan pengkuarian	Struktur	53.5	54.0	56.3	59.0	59.2	59.5	59.5	Structure	Mining and quarrying
	Jentera dan peralatan	37.0	32.0	30.7	27.4	27.1	27.1	26.3	Machinery and equipment	
	Aset lain	9.5	14.0	13.0	13.6	13.7	13.4	14.2	Other assets	
Pembuatan	Struktur	21.1	26.1	25.6	26.2	27.9	30.0	32.0	Structure	Manufacturing
	Jentera dan peralatan	65.4	62.0	63.2	62.8	61.7	60.3	59.2	Machinery and equipment	
	Aset lain	13.5	11.9	11.2	11.0	10.5	9.7	8.9	Other assets	
Pembinaan	Struktur	18.0	21.3	22.6	22.0	21.8	21.8	21.4	Structure	Construction
	Jentera dan peralatan	80.0	76.6	75.5	76.1	76.4	76.5	77.0	Machinery and equipment	
	Aset lain	2.0	2.1	1.9	1.9	1.8	1.7	1.6	Other assets	
Perkhidmatan	Struktur	57.6	57.0	59.5	60.3	64.6	68.0	70.2	Structure	Services
	Jentera dan peralatan	37.8	37.1	35.2	34.5	30.7	27.3	25.6	Machinery and equipment	
	Aset lain	4.5	5.9	5.3	5.2	4.7	4.7	4.2	Other assets	
Jumlah	Struktur	48.2	48.5	50.9	52.4	55.0	57.1	58.6	Structure	Total
	Jentera dan peralatan	43.0	41.2	39.4	38.2	36.0	34.1	33.2	Machinery and equipment	
	Aset lain	8.8	10.4	9.7	9.4	9.0	8.8	8.2	Other assets	

JADUAL 3A PMTK mengikut Jenis Aset pada Harga Semasa
TABLE 3A GFCF by Type of Assets at Current Prices

RM Juta/ Million

Jenis aset	Tahun/ Year							Type of assets
	2010	2011	2012	2013	2014	2015 ^e	2016 ^p	
Struktur	88,763	98,040	125,491	141,227	158,167	172,752	185,589	Structure
Peralatan pengangkutan	23,356	22,129	27,861	31,499	28,182	23,606	23,485	Transport equipment
Peralatan ICT dan lain-lain jentera & peralatan	47,997	51,423	57,971	59,066	61,343	64,266	65,065	ICT equipment and other machinery & equipment
Aset biologi	3,689	4,388	4,660	4,443	4,733	5,122	5,248	Biological assets
Produk harta intelek	17,753	21,756	26,269	28,862	30,857	32,351	32,914	Intellectual property products
Aset lain	2,732	4,515	4,092	4,602	4,111	4,544	4,486	Other assets
Jumlah	184,292	202,251	246,343	269,699	287,393	302,640	316,787	Total

JADUAL 3B PMTK mengikut Jenis Aset pada Harga Malar 2010
TABLE 3B GFCF by Type of Assets at Constant 2010 Prices

RM Juta/ Million

Jenis aset	Tahun/ Year							Type of assets
	2010	2011	2012	2013	2014	2015 ^e	2016 ^p	
Struktur	88,763	93,588	115,720	127,977	140,444	149,857	157,135	Structure
Peralatan pengangkutan	23,356	21,625	26,766	30,137	26,941	22,751	22,248	Transport equipment
Peralatan ICT dan lain-lain jentera & peralatan	47,997	51,433	57,741	58,567	60,079	62,518	63,036	ICT equipment and other machinery & equipment
Aset biologi	3,689	3,946	4,128	4,126	4,335	4,634	4,646	Biological assets
Produk harta intelek	17,753	20,968	24,886	26,924	28,561	29,750	29,963	Intellectual property products
Aset lain	2,732	4,436	3,963	4,430	3,882	4,214	4,008	Other assets
Jumlah	184,292	195,996	233,203	252,162	264,242	273,724	281,036	Total

JADUAL 3C PMTK mengikut Jenis Aset pada Harga Semasa - Perubahan Peratusan Tahunan
TABLE 3C GFCF by Type of Assets at Current Prices - Annual Percentage Change

(%)

Jenis aset	Tahun/ Year						Type of assets
	2011	2012	2013	2014	2015 ^e	2016 ^p	
Struktur	10.5	28.0	12.5	12.0	9.2	7.4	Structure
Peralatan pengangkutan	-5.3	25.9	13.1	-10.5	-16.2	-0.5	Transport equipment
Peralatan ICT dan lain-lain jentera & peralatan	7.1	12.7	1.9	3.9	4.8	1.2	ICT equipment and other machinery & equipment
Aset biologi	18.9	6.2	-4.7	6.5	8.2	2.5	Biological assets
Produk harta intelek	22.5	20.7	9.9	6.9	4.8	1.7	Intellectual property products
Aset lain	65.3	-9.4	12.5	-10.7	10.5	-1.3	Other assets
Jumlah	9.7	21.8	9.5	6.6	5.3	4.7	Total

JADUAL 3D PMTK mengikut Jenis Aset pada Harga Malar 2010 - Perubahan Peratusan Tahunan
TABLE 3D GFCF by Type of Assets at Constant 2010 Prices - Annual Percentage Change

(%)

Jenis aset	Tahun/ Year						Type of assets
	2011	2012	2013	2014	2015 ^e	2016 ^p	
Struktur	5.4	23.6	10.6	9.7	6.7	4.9	Structure
Peralatan pengangkutan	-7.4	23.8	12.6	-10.6	-15.6	-2.2	Transport equipment
Peralatan ICT dan lain-lain jentera & peralatan	7.2	12.3	1.4	2.6	4.1	0.8	ICT equipment and other machinery & equipment
Aset biologi	7.0	4.6	-0.1	5.1	6.9	0.3	Biological assets
Produk harta intelek	18.1	18.7	8.2	6.1	4.2	0.7	Intellectual property products
Aset lain	62.4	-10.7	11.8	-12.4	8.6	-4.9	Other assets
Jumlah	6.4	19.0	8.1	4.8	3.6	2.7	Total

JADUAL 3E PMTK mengikut Jenis Aset pada Harga Semasa - Peratus Sumbangan kepada Jumlah PMTK
TABLE 3E GFCF by Type of Assets at Current Prices - Percentage Share to Total GFCF

(%)

Jenis aset	Tahun/ Year							Type of assets
	2010	2011	2012	2013	2014	2015 ^e	2016 ^p	
Struktur	48.2	48.5	50.9	52.4	55.0	57.1	58.6	Structure
Peralatan pengangkutan	12.7	10.9	11.3	11.7	9.8	7.8	7.4	Transport equipment
Peralatan ICT dan lain-lain jentera & peralatan	26.0	25.4	23.5	21.9	21.3	21.2	20.5	ICT equipment and other machinery & equipment
Aset biologi	2.0	2.2	1.9	1.6	1.6	1.7	1.7	Biological assets
Produk harta intelek	9.6	10.8	10.7	10.7	10.7	10.7	10.4	Intellectual property products
Aset lain	1.5	2.2	1.7	1.7	1.4	1.5	1.4	Other assets
Jumlah	100.0	100.0	100.0	100.0	100.0	100.0	100.0	Total

JADUAL 3F PMTK mengikut Jenis Aset pada Harga Malar 2010 - Peratus Sumbangan kepada Jumlah PMTK
TABLE 3F GFCF by Type of Assets at Constant 2010 Prices - Percentage Share to Total GFCF

(%)

Jenis aset	Tahun/ Year							Type of assets
	2010	2011	2012	2013	2014	2015 ^e	2016 ^p	
Struktur	48.2	47.7	49.6	50.8	53.1	54.7	55.9	Structure
Peralatan pengangkutan	12.7	11.0	11.5	12.0	10.2	8.3	7.9	Transport equipment
Peralatan ICT dan lain-lain jentera & peralatan	26.0	26.2	24.8	23.2	22.7	22.8	22.4	ICT equipment and other machinery & equipment
Aset biologi	2.0	2.0	1.8	1.6	1.6	1.7	1.7	Biological assets
Produk harta intelek	9.6	10.7	10.7	10.7	10.8	10.9	10.7	Intellectual property products
Aset lain	1.5	2.3	1.7	1.8	1.5	1.5	1.4	Other assets
Jumlah	100.0	100.0	100.0	100.0	100.0	100.0	100.0	Total

JADUAL 4A PMTK mengikut Sektor dan Jenis Aktiviti Ekonomi pada Harga Semasa
TABLE 4A GFCF by Sector and Kind of Economic Activity at Current Prices

RM Juta/ Million

Sektor dan jenis aktiviti ekonomi	Tahun/ Year							Sector and kind of economic activity
	2010	2011	2012	2013	2014	2015 ^e	2016 ^p	
<u>Sektor swasta</u>								<u>Private sector</u>
Pertanian	6,160	7,462	8,207	8,548	9,317	10,245	10,743	Agriculture
Perlombongan dan pengkuarian	15,024	16,582	24,537	28,215	30,748	30,564	26,986	Mining and quarrying
Pembuatan	29,410	33,944	37,363	40,052	43,610	47,760	51,188	Manufacturing
Pembinaan	2,606	3,079	3,665	4,040	4,422	4,786	5,145	Construction
Perkhidmatan	48,091	53,694	68,535	81,937	95,787	105,285	117,221	Services
Jumlah	101,291	114,759	142,307	162,791	183,885	198,640	211,283	Total
<u>Sektor awam</u>								<u>Public sector</u>
Pertanian	191	214	236	238	254	271	281	Agriculture
Perlombongan dan pengkuarian	14,605	16,730	26,191	26,264	26,679	25,427	22,562	Mining and quarrying
Pembuatan	5,004	5,727	5,988	6,120	6,865	8,532	11,059	Manufacturing
Pembinaan	218	235	250	252	264	268	271	Construction
Perkhidmatan	62,983	64,584	71,372	74,034	69,447	69,502	71,331	Services
Jumlah	83,001	87,492	104,037	106,908	103,508	104,000	105,504	Total

JADUAL 4B PMTK mengikut Sektor dan Jenis Aktiviti Ekonomi pada Harga Malar 2010
TABLE 4B GFCF by Sector and Kind of Economic Activity at Constant 2010 Prices

RM Juta/ Million

Sektor dan jenis aktiviti ekonomi	Tahun/ Year							Sector and kind of economic activity
	2010	2011	2012	2013	2014	2015 ^e	2016 ^p	
<u>Sektor swasta</u>								<u>Private sector</u>
Pertanian	6,160	6,960	7,571	8,046	8,657	9,388	9,662	Agriculture
Perlombongan dan pengkuarian	15,024	16,066	23,292	26,420	28,451	28,178	24,916	Mining and quarrying
Pembuatan	29,410	33,185	35,989	38,149	40,900	44,168	46,610	Manufacturing
Pembinaan	2,606	3,024	3,560	3,888	4,216	4,524	4,799	Construction
Perkhidmatan	48,091	51,628	64,132	75,195	86,325	92,875	100,922	Services
Jumlah	101,291	110,863	134,543	151,698	168,550	179,132	186,909	Total
<u>Sektor awam</u>								<u>Public sector</u>
Pertanian	191	201	217	226	238	251	257	Agriculture
Perlombongan dan pengkuarian	14,605	16,080	24,610	24,456	24,646	23,393	20,752	Mining and quarrying
Pembuatan	5,004	5,633	5,799	5,870	6,469	7,888	10,008	Manufacturing
Pembinaan	218	231	242	243	252	253	254	Construction
Perkhidmatan	62,983	62,988	67,791	69,669	64,086	62,807	62,856	Services
Jumlah	83,001	85,133	98,659	100,464	95,692	94,592	94,127	Total

JADUAL 4C PMTK mengikut Sektor dan Jenis Aktiviti Ekonomi pada Harga Semasa - Perubahan Peratusan Tahunan
TABLE 4C GFCF by Sector and Kind of Economic Activity at Current Prices - Annual Percentage Change

(%)

Sektor dan jenis aktiviti ekonomi	Tahun/ Year						Sektor and kind of economic activity
	2011	2012	2013	2014	2015 ^e	2016 ^p	
<u>Sektor swasta</u>							<u>Private sector</u>
Pertanian	21.1	10.0	4.2	9.0	10.0	4.9	Agriculture
Perlombongan dan pengkuarian	10.4	48.0	15.0	9.0	-0.6	-11.7	Mining and quarrying
Pembuatan	15.4	10.1	7.2	8.9	9.5	7.2	Manufacturing
Pembinaan	18.2	19.0	10.2	9.5	8.2	7.5	Construction
Perkhidmatan	11.7	27.6	19.6	16.9	9.9	11.3	Services
Jumlah	13.3	24.0	14.4	13.0	8.0	6.4	Total
<u>Sektor awam</u>							<u>Public sector</u>
Pertanian	12.1	10.3	0.9	6.6	6.7	3.7	Agriculture
Perlombongan dan pengkuarian	14.6	56.5	0.3	1.6	-4.7	-11.3	Mining and quarrying
Pembuatan	14.5	4.5	2.2	12.2	24.3	29.6	Manufacturing
Pembinaan	8.2	6.0	1.0	4.9	1.4	1.2	Construction
Perkhidmatan	2.5	10.5	3.7	-6.2	0.1	2.6	Services
Jumlah	5.4	18.9	2.8	-3.2	0.5	1.4	Total

JADUAL 4D PMTK mengikut Sektor dan Jenis Aktiviti Ekonomi pada Harga Malar 2010 - Perubahan Peratusan Tahunan
TABLE 4D GFCF by Sector and Kind of Economic Activity at Constant 2010 Prices - Annual Percentage Change

(%)

Sektor dan jenis aktiviti ekonomi	Tahun/ Year						Sektor and kind of economic activity
	2011	2012	2013	2014	2015 ^e	2016 ^p	
<u>Sektor swasta</u>							<u>Private sector</u>
Pertanian	13.0	8.8	6.3	7.6	8.4	2.9	Agriculture
Perlombongan dan pengkuarian	6.9	45.0	13.4	7.7	-1.0	-11.6	Mining and quarrying
Pembuatan	12.8	8.4	6.0	7.2	8.0	5.5	Manufacturing
Pembinaan	16.1	17.7	9.2	8.4	7.3	6.1	Construction
Perkhidmatan	7.4	24.2	17.3	14.8	7.6	8.7	Services
Jumlah	9.5	21.4	12.8	11.1	6.3	4.3	Total
<u>Sektor awam</u>							<u>Public sector</u>
Pertanian	5.0	8.4	3.8	5.5	5.6	2.2	Agriculture
Perlombongan dan pengkuarian	10.1	53.0	-0.6	0.8	-5.1	-11.3	Mining and quarrying
Pembuatan	12.6	2.9	1.2	10.2	21.9	26.9	Manufacturing
Pembinaan	6.2	4.8	0.2	3.9	0.4	0.2	Construction
Perkhidmatan	0.0	7.6	2.8	-8.0	-2.0	0.1	Services
Jumlah	2.6	15.9	1.8	-4.7	-1.1	-0.5	Total

JADUAL 4E PMTK mengikut Sektor dan Jenis Aktiviti Ekonomi pada Harga Semasa - Peratus Sumbangan kepada Jumlah PMTK
TABLE 4E GFCF by Sector and Kind of Economic Activity at Current Prices - Percentage Share to Total GFCF

(%)

Sektor dan jenis aktiviti ekonomi	Tahun/ Year							Sector and kind of economic activity
	2010	2011	2012	2013	2014	2015 ^e	2016 ^p	
<u>Sektor swasta</u>								<u>Private sector</u>
Pertanian	3.3	3.7	3.3	3.2	3.2	3.4	3.4	Agriculture
Perlombongan dan pengkuarian	8.2	8.2	10.0	10.5	10.7	10.1	8.5	Mining and quarrying
Pembuatan	16.0	16.8	15.2	14.9	15.2	15.8	16.2	Manufacturing
Pembinaan	1.4	1.5	1.5	1.5	1.5	1.6	1.6	Construction
Perkhidmatan	26.1	26.5	27.8	30.4	33.3	34.8	37.0	Services
Jumlah	55.0	56.7	57.8	60.4	64.0	65.6	66.7	Total
<u>Sektor awam</u>								<u>Public sector</u>
Pertanian	0.1	0.1	0.1	0.1	0.1	0.1	0.1	Agriculture
Perlombongan dan pengkuarian	7.9	8.3	10.6	9.7	9.3	8.4	7.1	Mining and quarrying
Pembuatan	2.7	2.8	2.4	2.3	2.4	2.8	3.5	Manufacturing
Pembinaan	0.1	0.1	0.1	0.1	0.1	0.1	0.1	Construction
Perkhidmatan	34.2	31.9	29.0	27.5	24.2	23.0	22.5	Services
Jumlah	45.0	43.3	42.2	39.6	36.0	34.4	33.3	Total

JADUAL 4F PMTK mengikut Sektor dan Jenis Aktiviti Ekonomi pada Harga Malar 2010 - Peratus Sumbangan kepada Jumlah PMTK
TABLE 4F GFCF by Sector and Kind of Economic Activity at Constant 2010 Prices - Percentage Share to Total GFCF

(%)

Sektor dan jenis aktiviti ekonomi	Tahun/ Year							Sector and kind of economic activity
	2010	2011	2012	2013	2014	2015 ^e	2016 ^p	
<u>Sektor swasta</u>								<u>Private sector</u>
Pertanian	3.3	3.6	3.2	3.2	3.3	3.4	3.4	Agriculture
Perlombongan dan pengkuarian	8.2	8.2	10.0	10.5	10.8	10.3	8.9	Mining and quarrying
Pembuatan	16.0	16.9	15.4	15.1	15.5	16.1	16.6	Manufacturing
Pembinaan	1.4	1.5	1.5	1.5	1.6	1.7	1.7	Construction
Perkhidmatan	26.1	26.3	27.5	29.8	32.7	33.9	35.9	Services
Jumlah	55.0	56.6	57.7	60.2	63.8	65.4	66.5	Total
<u>Sektor awam</u>								<u>Public sector</u>
Pertanian	0.1	0.1	0.1	0.1	0.1	0.1	0.1	Agriculture
Perlombongan dan pengkuarian	7.9	8.2	10.6	9.7	9.3	8.5	7.4	Mining and quarrying
Pembuatan	2.7	2.9	2.5	2.3	2.4	2.9	3.6	Manufacturing
Pembinaan	0.1	0.1	0.1	0.1	0.1	0.1	0.1	Construction
Perkhidmatan	34.2	32.1	29.1	27.6	24.3	22.9	22.4	Services
Jumlah	45.0	43.4	42.3	39.8	36.2	34.6	33.5	Total

JADUAL 4G PMTK mengikut Jenis Aktiviti Ekonomi dan Sektor pada Harga Semasa - Peratus Sumbangan kepada Jenis Aktiviti Ekonomi
 TABLE 4G GFCF by Kind of Economic Activity and Sector at Current Prices - Percentage Share to Kind of Economic Activity

(%)

Jenis aktiviti ekonomi dan sektor		Tahun/ Year							Kind of economic activity and sector	
		2010	2011	2012	2013	2014	2015 ^e	2016 ^p		
Pertanian	Sektor Swasta	97.0	97.2	97.2	97.3	97.3	97.4	97.4	Private Sector	Agriculture
	Sektor Awam	3.0	2.8	2.8	2.7	2.7	2.6	2.6	Public Sector	
Perombongan dan pengkuarian	Sektor Swasta	50.7	49.8	48.4	51.8	53.5	54.6	54.5	Private Sector	Mining and quarrying
	Sektor Awam	49.3	50.2	51.6	48.2	46.5	45.4	45.5	Public Sector	
Pembuatan	Sektor Swasta	85.5	85.6	86.2	86.7	86.4	84.8	82.2	Private Sector	Manufacturing
	Sektor Awam	14.5	14.4	13.8	13.3	13.6	15.2	17.8	Public Sector	
Pembinaan	Sektor Swasta	92.3	92.9	93.6	94.1	94.4	94.7	95.0	Private Sector	Construction
	Sektor Awam	7.7	7.1	6.4	5.9	5.6	5.3	5.0	Public Sector	
Perkhidmatan	Sektor Swasta	43.3	45.4	49.0	52.5	58.0	60.2	62.2	Private Sector	Services
	Sektor Awam	56.7	54.6	51.0	47.5	42.0	39.8	37.8	Public Sector	
Jumlah	Sektor Swasta	55.0	56.7	57.8	60.4	64.0	65.6	66.7	Private Sector	Total
	Sektor Awam	45.0	43.3	42.2	39.6	36.0	34.4	33.3	Public Sector	

JADUAL 4H PMTK mengikut Jenis Aktiviti Ekonomi dan Sektor pada Harga Malar 2010 - Peratus Sumbangan kepada Jenis Aktiviti Ekonomi
 TABLE 4H GFCF by Kind of Economic Activity and Sector at Constant 2010 Prices - Percentage Share to Kind of Economic Activity

(%)

Jenis aktiviti ekonomi dan sektor		Tahun/ Year							Kind of economic activity and sector	
		2010	2011	2012	2013	2014	2015 ^e	2016 ^p		
Pertanian	Sektor Swasta	97.0	97.2	97.2	97.3	97.3	97.4	97.4	Private Sector	Agriculture
	Sektor Awam	3.0	2.8	2.8	2.7	2.7	2.6	2.6	Public Sector	
Perombongan dan pengkuarian	Sektor Swasta	50.7	50.0	48.6	51.9	53.6	54.6	54.6	Private Sector	Mining and quarrying
	Sektor Awam	49.3	50.0	51.4	48.1	46.4	45.4	45.4	Public Sector	
Pembuatan	Sektor Swasta	85.5	85.5	86.1	86.7	86.3	84.8	82.3	Private Sector	Manufacturing
	Sektor Awam	14.5	14.5	13.9	13.3	13.7	15.2	17.7	Public Sector	
Pembinaan	Sektor Swasta	92.3	92.9	93.6	94.1	94.4	94.7	95.0	Private Sector	Construction
	Sektor Awam	7.7	7.1	6.4	5.9	5.6	5.3	5.0	Public Sector	
Perkhidmatan	Sektor Swasta	43.3	45.0	48.6	51.9	57.4	59.7	61.6	Private Sector	Services
	Sektor Awam	56.7	55.0	51.4	48.1	42.6	40.3	38.4	Public Sector	
Jumlah	Sektor Swasta	55.0	56.6	57.7	60.2	63.8	65.4	66.5	Private Sector	Total
	Sektor Awam	45.0	43.4	42.3	39.8	36.2	34.6	33.5	Public Sector	

JADUAL 5A PMTK Sektor Swasta mengikut Jenis Aktiviti Ekonomi dan Jenis Aset pada Harga Semasa
TABLE 5A Private Sector GFCF by Kind of Economic Activity and Type of Assets at Current Prices

RM Juta/ Million

Jenis aktiviti ekonomi dan jenis aset		Tahun/ Year							Kind of economic activity and type of assets	
		2010	2011	2012	2013	2014	2015 ^a	2016 ^b		
Pertanian	Struktur	1,053	1,472	1,701	1,973	2,222	2,465	2,659	Structure	Agriculture
	Jentera dan peralatan	1,470	1,586	1,798	2,051	2,326	2,634	2,810	Machinery and equipment	
	Aset lain	3,637	4,404	4,708	4,524	4,770	5,146	5,273	Other assets	
Perfombongan dan pengkuarian	Struktur	8,781	9,304	14,804	17,787	19,327	19,455	17,492	Structure	Mining and quarrying
	Jentera dan peralatan	4,642	4,741	6,190	6,167	6,792	6,622	5,241	Machinery and equipment	
	Aset lain	1,601	2,536	3,544	4,261	4,629	4,488	4,253	Other assets	
Pembuatan	Struktur	6,077	8,707	9,326	10,216	11,825	13,523	14,880	Structure	Manufacturing
	Jentera dan peralatan	18,812	20,636	23,303	24,879	26,642	28,912	30,947	Machinery and equipment	
	Aset lain	4,522	4,601	4,735	4,957	5,143	5,325	5,361	Other assets	
Pembinaan	Struktur	494	687	864	926	1,002	1,081	1,138	Structure	Construction
	Jentera dan peralatan	2,057	2,325	2,728	3,034	3,338	3,620	3,920	Machinery and equipment	
	Aset lain	55	67	73	80	82	85	87	Other assets	
Perkhidmatan	Struktur	25,582	30,593	40,816	49,045	61,657	71,567	83,377	Structure	Services
	Jentera dan peralatan	19,841	19,407	23,494	28,084	29,418	28,837	29,052	Machinery and equipment	
	Aset lain	2,668	3,693	4,226	4,808	4,712	4,881	4,791	Other assets	
Jumlah	Struktur	41,987	50,764	67,510	79,946	96,034	108,092	119,547	Structure	Total
	Jentera dan peralatan	46,821	48,695	57,511	64,216	68,516	70,625	71,970	Machinery and equipment	
	Aset lain	12,483	15,300	17,285	18,630	19,335	19,923	19,766	Other assets	
Jumlah		101,291	114,759	142,307	162,791	183,885	198,640	211,283	Total	

JADUAL 5B PMTK Sektor Awam mengikut Jenis Aktiviti Ekonomi dan Jenis Aset pada Harga Semasa
TABLE 5B Public Sector GFCF by Kind of Economic Activity and Type of Assets at Current Prices

RM Juta/ Million

Jenis aktiviti ekonomi dan jenis aset		Tahun/ Year							Kind of economic activity and type of assets	
		2010	2011	2012	2013	2014	2015 ^a	2016 ^b		
Pertanian	Struktur	33	41	47	60	64	67	70	Structure	Agriculture
	Jentera dan peralatan	46	46	52	61	68	76	83	Machinery and equipment	
	Aset lain	112	127	137	118	122	129	129	Other assets	
Perfombongan dan pengkuarian	Struktur	7,085	8,687	13,764	14,338	14,662	13,869	11,987	Structure	Mining and quarrying
	Jentera dan peralatan	6,316	5,908	9,375	8,754	8,797	8,538	7,787	Machinery and equipment	
	Aset lain	1,204	2,135	3,053	3,172	3,219	3,020	2,787	Other assets	
Pembuatan	Struktur	1,193	1,652	1,760	1,869	2,236	3,352	5,009	Structure	Manufacturing
	Jentera dan peralatan	3,681	3,942	4,093	4,115	4,486	5,025	5,887	Machinery and equipment	
	Aset lain	131	133	135	136	142	154	164	Other assets	
Pembinaan	Struktur	15	19	20	20	20	21	21	Structure	Construction
	Jentera dan peralatan	201	215	228	230	242	246	249	Machinery and equipment	
	Aset lain	2	2	2	2	2	2	2	Other assets	
Perkhidmatan	Struktur	38,451	36,876	42,390	44,995	45,151	47,351	48,956	Structure	Services
	Jentera dan peralatan	22,179	24,441	25,769	25,698	21,258	18,804	19,302	Machinery and equipment	
	Aset lain	2,353	3,267	3,213	3,341	3,038	3,347	3,072	Other assets	
Jumlah	Struktur	46,776	47,276	57,981	61,281	62,134	64,660	66,043	Structure	Total
	Jentera dan peralatan	32,423	34,552	39,516	38,858	34,851	32,689	33,307	Machinery and equipment	
	Aset lain	3,802	5,664	6,539	6,769	6,524	6,652	6,154	Other assets	
Jumlah		83,001	87,492	104,037	106,908	103,508	104,000	105,504	Total	

JADUAL 5C PMTK Sektor Swasta mengikut Jenis Aktiviti Ekonomi dan Jenis Aset pada Harga Semasa - Peratus Sumbangan mengikut Jenis Aset
TABLE 5C Private Sector GFCF by Kind of Economic Activity and Type of Assets at Current Prices - Percentage Share by Type of Assets

(%)

Jenis aktiviti ekonomi dan jenis aset		Tahun/ Year							Kind of economic activity and type of assets	
		2010	2011	2012	2013	2014	2015 ^e	2016 ^p		
Pertanian	Struktur	17.1	19.7	20.7	23.1	23.8	24.1	24.8	Structure	Agriculture
	Jentera dan peralatan	23.9	21.3	21.9	24.0	25.0	25.7	26.2	Machinery and equipment	
	Aset lain	59.0	59.0	57.4	52.9	51.2	50.2	49.1	Other assets	
Perfombongan dan pengkuarian	Struktur	58.4	56.1	60.3	63.0	62.9	63.7	64.8	Structure	Mining and quarrying
	Jentera dan peralatan	30.9	28.6	25.2	21.9	22.1	21.7	19.4	Machinery and equipment	
	Aset lain	10.7	15.3	14.4	15.1	15.1	14.7	15.8	Other assets	
Pembuatan	Struktur	20.7	25.7	25.0	25.5	27.1	28.3	29.1	Structure	Manufacturing
	Jentera dan peralatan	64.0	60.8	62.4	62.1	61.1	60.5	60.5	Machinery and equipment	
	Aset lain	15.4	13.6	12.7	12.4	11.8	11.1	10.5	Other assets	
Pembinaan	Struktur	18.9	22.3	23.6	22.9	22.7	22.6	22.1	Structure	Construction
	Jentera dan peralatan	78.9	75.5	74.4	75.1	75.5	75.6	76.2	Machinery and equipment	
	Aset lain	2.1	2.2	2.0	2.0	1.9	1.8	1.7	Other assets	
Perkhidmatan	Struktur	53.2	57.0	59.6	59.9	64.4	68.0	71.1	Structure	Services
	Jentera dan peralatan	41.3	36.1	34.3	34.3	30.7	27.4	24.8	Machinery and equipment	
	Aset lain	5.5	6.9	6.2	5.9	4.9	4.6	4.1	Other assets	
Jumlah	Struktur	41.5	44.2	47.4	49.1	52.2	54.4	56.6	Structure	Total
	Jentera dan peralatan	46.2	42.4	40.4	39.4	37.3	35.6	34.1	Machinery and equipment	
	Aset lain	12.3	13.3	12.1	11.4	10.5	10.0	9.4	Other assets	

JADUAL 5D PMTK Sektor Awam mengikut Jenis Aktiviti Ekonomi dan Jenis Aset pada Harga Semasa - Peratus Sumbangan mengikut Jenis Aset
TABLE 5D Public Sector GFCF by Kind of Economic Activity and Type of Assets at Current Prices - Percentage Share by Type of Assets

(%)

Jenis aktiviti ekonomi dan jenis aset		Tahun/ Year							Kind of economic activity and type of assets	
		2010	2011	2012	2013	2014	2015 ^e	2016 ^p		
Pertanian	Struktur	17.3	19.3	20.1	25.0	25.1	24.7	24.8	Structure	Agriculture
	Jentera dan peralatan	24.2	21.4	22.0	25.5	26.7	27.9	29.4	Machinery and equipment	
	Aset lain	58.5	59.3	58.0	49.4	48.1	47.4	45.8	Other assets	
Perfombongan dan pengkuarian	Struktur	48.5	51.9	52.6	54.6	55.0	54.5	53.1	Structure	Mining and quarrying
	Jentera dan peralatan	43.2	35.3	35.8	33.3	33.0	33.6	34.5	Machinery and equipment	
	Aset lain	8.2	12.8	11.7	12.1	12.1	11.9	12.4	Other assets	
Pembuatan	Struktur	23.8	28.8	29.4	30.5	32.6	39.3	45.3	Structure	Manufacturing
	Jentera dan peralatan	73.6	68.8	68.4	67.2	65.3	58.9	53.2	Machinery and equipment	
	Aset lain	2.6	2.3	2.2	2.2	2.1	1.8	1.5	Other assets	
Pembinaan	Struktur	6.8	8.0	8.0	7.9	7.7	7.7	7.7	Structure	Construction
	Jentera dan peralatan	92.4	91.2	91.2	91.3	91.5	91.6	91.6	Machinery and equipment	
	Aset lain	0.8	0.8	0.8	0.8	0.7	0.7	0.7	Other assets	
Perkhidmatan	Struktur	61.0	57.1	59.4	60.8	65.0	68.1	68.6	Structure	Services
	Jentera dan peralatan	35.2	37.8	36.1	34.7	30.6	27.1	27.1	Machinery and equipment	
	Aset lain	3.7	5.1	4.5	4.5	4.4	4.8	4.3	Other assets	
Jumlah	Struktur	56.4	54.0	55.7	57.3	60.0	62.2	62.6	Structure	Total
	Jentera dan peralatan	39.1	39.5	38.0	36.3	33.7	31.4	31.6	Machinery and equipment	
	Aset lain	4.6	6.5	6.3	6.3	6.3	6.4	5.8	Other assets	

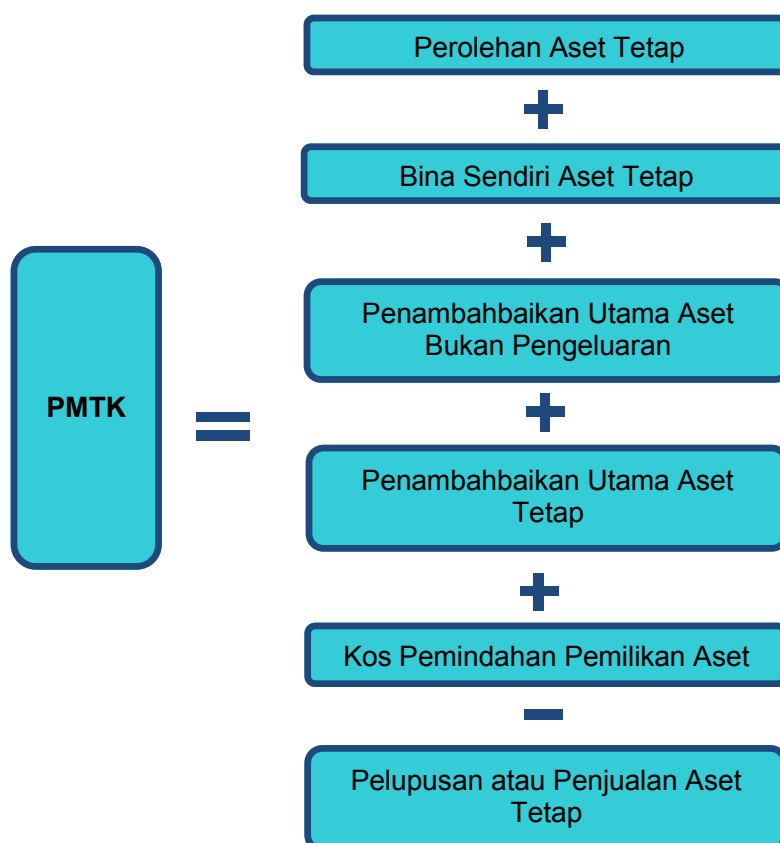
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PENGENALAN

Penerbitan ini memberikan maklumat PMTK mengikut jenis aktiviti ekonomi, jenis aset dan sektor bagi tahun 2010 hingga 2016. Perangkaan ini telah disusun berdasarkan garis panduan yang disarankan oleh *System of National Accounts 2008*.

KONSEP DAN DEFINISI

PMTK diukur dengan jumlah nilai perolehan aset tetap, ditolak pelupusan aset tetap oleh residen dalam tempoh perakaunan yang digunakan secara berulang kali dan berterusan dalam proses pengeluaran serta perbelanjaan ke atas perkhidmatan yang menambah nilai kepada aset bukan pengeluaran.



Perolehan termasuk pembelian aset (baru atau terpakai) dan pembinaan aset oleh pengeluar untuk kegunaan mereka sendiri. Pelupusan termasuk jualan aset untuk skrap serta jualan aset terpakai yang masih boleh digunakan oleh pengeluar lain. PMTK juga dikenali sebagai pelaburan dalam aset tetap yang digunakan berulang kali dalam proses pengeluaran bagi tempoh lebih dari setahun.

Bagi kes isi rumah sebagai pengguna, semua perbelanjaan ke atas aset tetap seperti peralatan pengangkutan dan jentera & peralatan tidak dianggap sebagai PMTK tetapi ia merupakan penggunaan akhir. Walau bagaimanapun, ia adalah satu pengecualian bagi pembelian tempat kediaman untuk tujuan didiami oleh pemilik kerana pengeluaran perkhidmatan perumahan oleh pemilik penghuni diambil kira dalam SNA sebagai pengeluaran akaun sendiri.

ASET

Aset adalah alat penyimpan nilai yang mewakili faedah atau beberapa faedah terakru bagi pemilik ekonomi melalui pegangan atau penggunaan entiti tersebut dalam satu tempoh masa. Ia merupakan satu cara membawa nilai ke hadapan dari satu tempoh perakaunan ke tempoh yang lain.

Aset boleh dibezakan pada klasifikasi peringkat pertama antara aset bukan kewangan dan aset kewangan. Bagi aset bukan kewangan, ia dibezakan antara aset pengeluaran dan aset bukan pengeluaran. Aset pengeluaran terdiri daripada struktur, jentera & peralatan dan aset lain.

PEMILIKAN ASET

Aset dibahagikan kepada dua jenis pemilikan. **Pemilikan sah** adalah unit institusi yang dikenal pasti oleh undang-undang untuk menuntut faedah yang berkaitan dengan entiti. **Pemilikan ekonomi** adalah unit institusi yang berhak menuntut faedah berkaitan dengan penggunaan entiti dalam aktiviti ekonomi kerana menerima risiko yang berkaitan.

PMTK MENGIKUT JENIS ASET

Bagi tujuan penerbitan ini, PMTK mengikut jenis aset dikelaskan kepada dua kategori. Kategori pertama terdiri daripada tiga jenis aset iaitu struktur, jentera & peralatan dan aset lain. Kategori yang seterusnya dibezakan mengikut enam jenis aset yang dinyatakan seperti berikut:

Kategori Tiga Jenis Aset	Keterangan	Kategori Enam Jenis Aset
Struktur	Bangunan kediaman	Struktur
	Bangunan bukan kediaman	
	Pembinaan lain	
	Struktur platform bagi aktiviti minyak dan gas	
Jentera & Peralatan	Pesawat, kapal, kereta api, lokomotif, kenderaan komersil, kereta penumpang dan lain-lain	Peralatan pengangkutan
	Lain-lain jentera & peralatan	Peralatan ICT dan Lain-lain Jentera & Peralatan
	Peralatan ICT	
	Perisian komputer & pangkalan data	Produk Harta Intelek
Aset Lain	Hiburan, sastera & seni asal	
	Penyelidikan & pembangunan	
	Cari gali mineral & penilaian	
	Ternakan yang menghasilkan pengeluaran berulang kali seperti haiwan yang digunakan untuk tujuan pembiakan, pengangkutan atau hiburan	Aset Biologi
	Pokok, tumbuhan dan sumber tanaman yang menghasilkan pengeluaran berulang kali iaitu kelapa sawit, getah dan pokok buah-buahan	
	Sistem persenjataan	Aset Lain
	Kos pindah hak milik tanah dan lain-lain yang tidak terkelas di tempat lain	

PMTK MENGIKUT SEKTOR

Klasifikasi **sektor Awam** dan **Swasta** menyediakan satu standard untuk penyusunan perangkaan yang membahagikan ekonomi residen kepada sektor ekonomi yang luas bergantung sama ada dikawal oleh kerajaan atau sebaliknya.

Sektor Awam terdiri daripada semua unit kerajaan dan semua unit institusi dan juga unit institusi *notional* yang dikawal secara langsung atau tidak langsung oleh kerajaan iaitu perbadanan awam. Kriteria yang perlu dipertimbangkan sebagai kawalan adalah seperti berikut:

- Pemilikan majoriti kepentingan mengundi; atau
- Kawalan ke atas lembaga atau badan pentadbir lain; atau
- Kawalan dari segi pelantikan dan pemecatan jawatan utama; atau
- Kawalan ke atas jawatankuasa utama entiti; atau
- Saham kencana dan opsyen; atau
- Peraturan dan kawalan; atau
- Kawalan oleh pelanggan utama; atau
- Kawalan disebabkan pinjaman daripada kerajaan

Sektor Swasta terdiri daripada semua unit residen yang dikendalikan oleh syarikat swasta kecuali yang dikawal oleh kerajaan. Contoh sektor Swasta ialah unit institusi isi rumah, *NPISHs* dan perbadanan swasta. Jadual 2 membezakan sektor Awam dan Swasta mengikut unit institusi.

Jadual 2: Sektor Awam dan Swasta mengikut Unit Institusi




Perbadanan Bukan Kewangan	Perbadanan Kewangan	Kerajaan Am	<i>NPISHs</i>	Isi Rumah
Awam	Awam	Awam	Swasta	Swasta
Swasta	Swasta			

Penentuan PMTK mengikut sektor merujuk kepada pemilikan aset tetap. Dalam kebanyakan kes, penentuan pemilikan aset tetap adalah jelas; satu unit tunggal yang memperoleh aset untuk digunakan dalam pengeluaran. Bagi industri hulu minyak dan gas, ciri-ciri perniagaan adalah berbeza daripada yang lain di mana pengeluar berkongsi risiko dan ganjaran aset di antara unit yang berbeza pada satu masa. Bagi kes seperti ini, *SNA 2008* menyarankan untuk merekodkan aset yang dikongsi di antara unit perlu berkadar dengan pemilikan syer.

PMTK MENGIKUT JENIS AKTIVITI EKONOMI

Jenis aktiviti ekonomi merujuk kepada kumpulan pertubuhan yang terlibat dalam aktiviti utama yang sama. Aktiviti utama pertubuhan adalah kumpulan dalam industri berdasarkan kepada Piawaian Klasifikasi Industri Malaysia 2008 yang selari dengan *International Standard Industrial Classification of All Economic Activities (ISIC) Revision 4*. Bagi penyusunan ini, semua unit kerajaan disusun di bawah aktiviti Perkhidmatan. Jadual 3 menunjukkan lima aktiviti utama ekonomi mengikut sub aktiviti.

Jadual 3: Aktiviti Utama Ekonomi mengikut Sub aktiviti

Jenis Aktiviti Ekonomi	Keterangan
 PERTANIAN	
Getah & Kelapa Sawit	<ul style="list-style-type: none"> • Getah • Kelapa Sawit
Ternakan & Perikanan	<ul style="list-style-type: none"> • Ternakan ayam dan itik • Lembu/ kerbau • Ternakan lain • Perikanan laut • Akuakultur
Pertanian Lain	<ul style="list-style-type: none"> • Perhutanan dan pembalakan • Padi • Sayur-sayuran • Buah-buahan • Tanaman makanan • Lain-lain
 PERLOMBONGAN DAN PENGKUARIAN	
Perlombongan dan Pengkuarian	<ul style="list-style-type: none"> • Minyak mentah dan kondensat • Gas asli • Perlombongan lain & pengkuarian dan perkhidmatan sokongan
 PEMBUATAN	
Makanan, Minuman & Tembakau	<ul style="list-style-type: none"> • Minyak dan lemak daripada sayuran & haiwan • Prosesan makanan • Minuman • Produk tembakau

Jenis Aktiviti Ekonomi	Keterangan
Produk Tekstil & Kayu	<ul style="list-style-type: none"> • Tekstil dan pakaian • Kulit dan produk berkaitan • Keluaran kayu • Kertas dan produk kertas • Percetakan dan pengeluaran semula media rakaman • Perabot
Produk Petroleum, Kimia, Getah & Plastik	<ul style="list-style-type: none"> • Produk petroleum bertapis • Bahan kimia & produk kimia dan produk farmaseutikal • Produk getah • Produk plastik
Produk Mineral Bukan Logam, Logam Asas & Produk Logam Yang Direka	<ul style="list-style-type: none"> • Produk mineral bukan logam • Logam asas • Produk logam yang direka
Produk Elektrik, Elektronik & Optikal dan Peralatan Pengangkutan	<ul style="list-style-type: none"> • Jentera dan peralatan • Komputer dan kelengkapan peranti • Kelengkapan elektrik • Komponen & papan elektronik, peralatan komunikasi dan elektronik pengguna • Pembuatan peralatan perubatan, ketepatan & optik, jam tangan dan jam • Kenderaan bermotor dan peralatan pengangkutan • Pembuatan lain dan pembaikan & pemasangan mesin dan kelengkapan

**Jenis Aktiviti
Ekonomi****Keterangan****PEMBINAAN****Pembinaan**

- Bangunan kediaman
- Bangunan bukan kediaman
- Kejuruteraan awam
- Aktiviti pembinaan pertukangan khas

**PERKHIDMATAN****Perdagangan
Borong dan Runcit**

- Perdagangan borong
- Perdagangan runcit
- Kenderaan bermotor

**Makanan & Minuman
dan Penginapan**

- Makanan dan minuman
- Penginapan

**Pengangkutan &
Penyimpanan dan
Maklumat &
Komunikasi**

- Pengangkutan darat
- Pengangkutan air
- Pengangkutan udara
- Pelabuhan dan operasi lapangan terbang
- Operasi lebuhraya
- Aktiviti sokongan untuk pengangkutan
- Pos dan kurier
- Maklumat
- Komunikasi
- Perkhidmatan komputer

**Kewangan, Insurans,
Hartanah dan
Perkhidmatan
Perniagaan**

- Pengantara kewangan
- Lain-lain pengantara kewangan dan aktiviti sokongan kewangan
- Insurans dan tabungan pencen
- Aktiviti sokongan insurans
- Hartanah

**Jenis Aktiviti
Ekonomi****Keterangan**

- Profesional, saintifik dan teknikal
 - Pentadbiran dan khidmat sokongan
 - Kediaman yang didiami oleh pemilik
-

Perkhidmatan Lain

- Elektrik dan gas
 - Air, pembentungan dan pengurusan sisa
 - Perkhidmatan kesihatan swasta
 - Perkhidmatan pendidikan swasta
 - Perkhidmatan swasta lain
 - Perkhidmatan kerajaan
 - Institusi bukan keuntungan yang berkhidmat kepada isi rumah
 - Perkhidmatan domestik bagi isi rumah
-

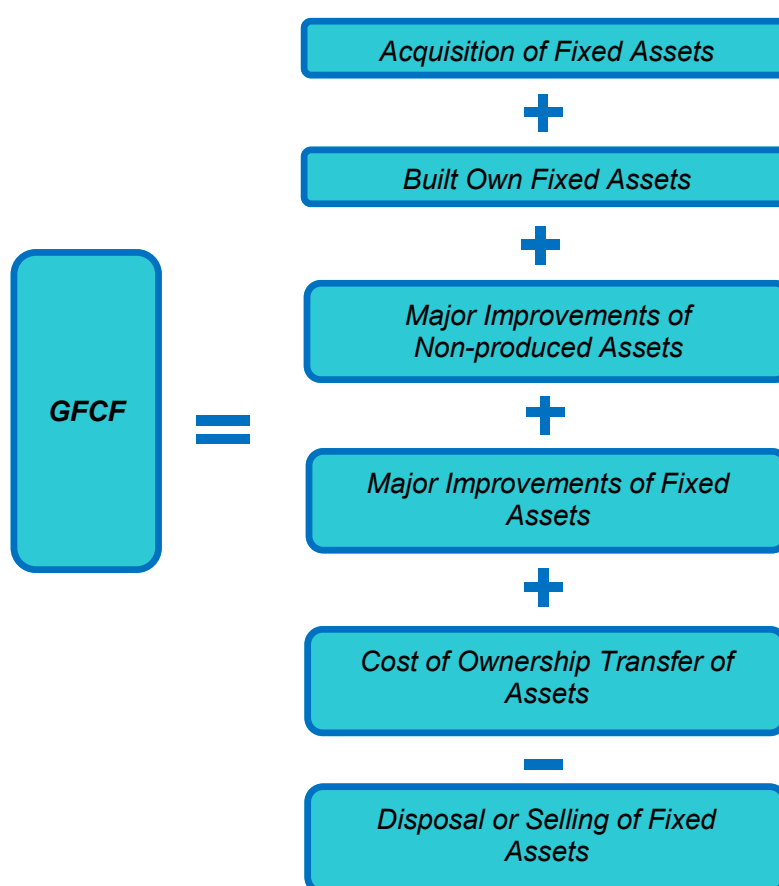
TECHNICAL NOTES

INTRODUCTION

This publication provides information on GFCF by kind of economic activity, type of assets and sector for year 2010 to 2016. The statistics are compiled based on the guidelines recommended by System of National Accounts 2008.

CONCEPTS AND DEFINITIONS

GFCF is measured by the total value acquired, less disposal of fixed assets by the residents during the accounting period which are used repeatedly or continuously for production plus expenditure on services that adds value to the non-produced assets.



Acquisition includes both purchases of assets (new or used) and the construction of assets by producers for their own use. Disposals include sales of assets for scrap as well as sales of used assets in a working condition to other producers. GFCF is also known as investment in fixed assets that used repeatedly in the process of production for more than one year.

In the case of households as consumers, all expenditure on fixed assets such as transport equipment and machinery & equipment are not considered as GFCF but final consumption. However, it is an exception for purchase on dwellings for residential purpose since the production of housing services by owner-occupiers is considered in SNA as own account production.

ASSET

An asset is a store of value representing a benefit or series of benefits accruing to the economic owner by holding or using the entity over a period of time. It is a means of carrying forward value from one accounting period to another.

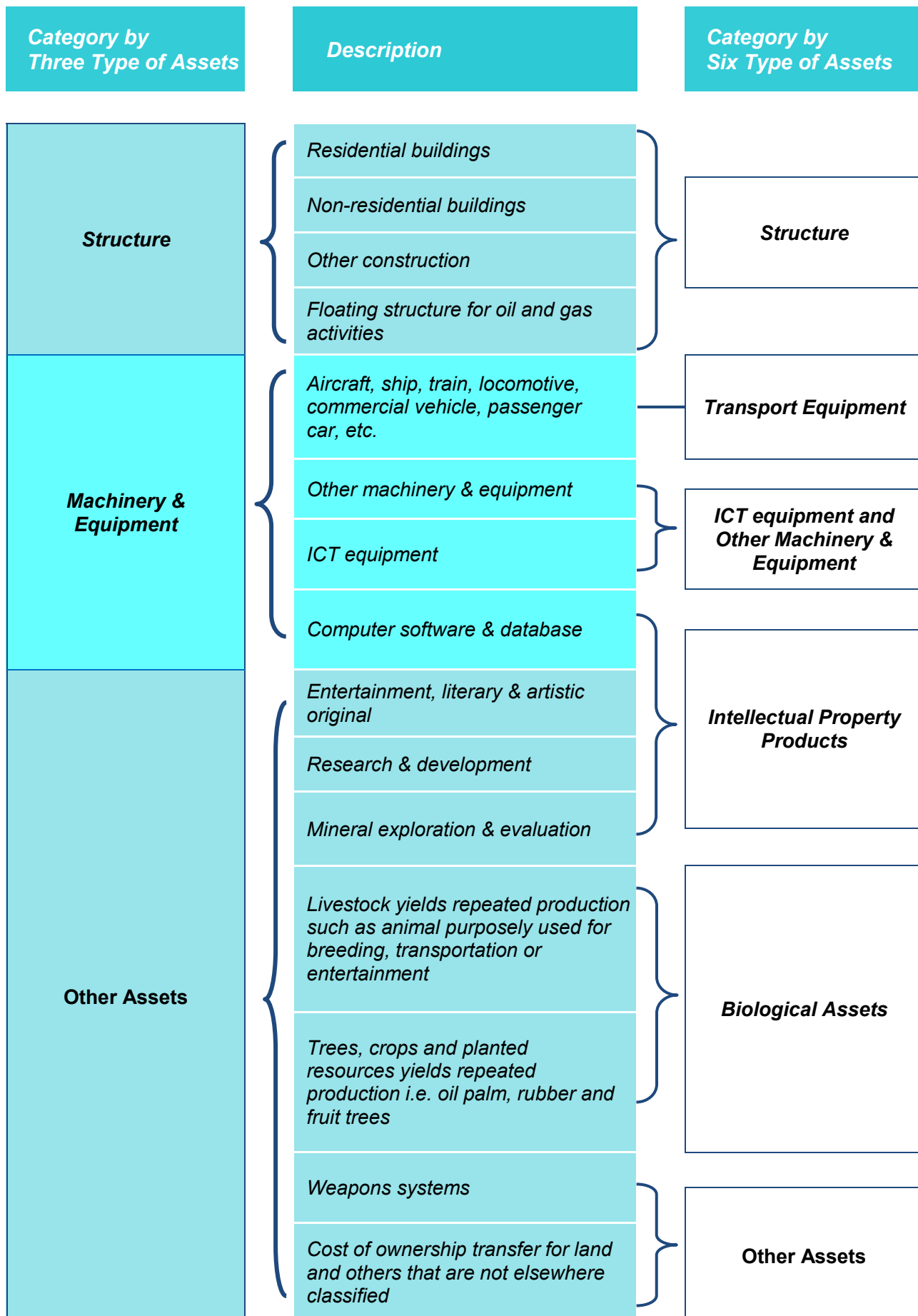
Asset is distinguished at the first level of the classification between non-financial asset and financial asset. Within non-financial asset, it is distinguished between produced and non-produced asset. Produced asset consists of structure, machinery & equipment and other assets.

OWNERSHIP OF ASSET

*Asset is divided into two types of ownership. **Legal ownership** is the institutional unit identified by law to claim the benefits associated with the entities. **Economic ownership** is the institutional unit entitled to claim the benefits associated with the use of the entity in the course of an economic activity by virtue of accepting the associated risks.*

GFCF BY TYPE OF ASSETS

For the purpose of this publication, GFCF by type of assets are classified into two categories. The first category consists of three types of assets that are structure, machinery & equipment and other assets. The latter is distinguished by six types of assets expressed as follows:



GFCF BY SECTOR

*The **Public and Private sectors** classification provides a standard for the compilation of statistics that divide the resident economy into broad economic sector depending on whether they are controlled by government or otherwise.*

*The **Public sector** comprises all government units and all institutional units and also notional institutional units controlled directly or indirectly by government i.e. public corporation. The criteria to be considered as control are as follows:*

- *Ownership of the majority of the voting interest; or*
- *Control of the board or other governing body; or*
- *Control of the appointment and removal of key personnel; or*
- *Control of key committees of the entity; or*
- *Golden shares and options; or*
- *Regulation and control; or*
- *Control by a dominant customer; or*
- *Control attached to borrow from the government*

Private sector comprises all resident units operated by private enterprises except those controlled by government. Example of Private sector is household institution units, NPISHs and private corporations. Table 2 distinguishes Public and Private sectors by institutional units.

Table 2: Public and Private Sectors by Institutional Units

Non-financial Corporation	Financial Corporation	General Government	NPISHs	Households
Public	Public	Public	Private	Private
Private	Private			

The determination of GFCF by sector refers to the ownership of fixed assets. In most cases, the ownership of fixed assets is straightforward; a single unit that acquires the asset for use in production. For oil and gas upstream industry, the nature of business is different from others whereby the producers share the risks and rewards of assets between different units at a point of time. In such cases, 2008 SNA recommends to record the assets shared between the units in proportionate to their ownership shares.



GFCF BY KIND OF ECONOMIC ACTIVITY

Kind of economic activity refers to the group of establishments engaged in the same or similar principal activity. The principal activity of establishments are grouped into industries according to the Malaysia Standard Industrial Classification 2008 which is aligned with the International Standard Industrial Classification of All Economic Activities (ISIC) Revision 4. In this compilation, all government units are grouped under Services activity. Table 3 shows the five main economic activities by sub-activities.

Table 3: Main Economic Activity by Sub-activity

Kind of Economic Activity	Description
 AGRICULTURE	
Rubber & Oil Palm	<ul style="list-style-type: none"> • Rubber • Oil Palm
Livestock & Fishing	<ul style="list-style-type: none"> • Poultry • Cattle • Other livestock • Marine fishing • Aquaculture
Other Agriculture	<ul style="list-style-type: none"> • Forestry and logging • Paddy • Vegetables • Fruits • Food crops • Others
 MINING AND QUARRYING	
Mining and Quarrying	<ul style="list-style-type: none"> • Crude oil and condensate • Natural gas • Other mining & quarrying and supporting services
 MANUFACTURING	
Food, Beverages & Tobacco	<ul style="list-style-type: none"> • Vegetable and animal oils & fats • Food processing • Beverages • Tobacco products

Kind of Economic Activity	Description
Textiles & Wood Products	<ul style="list-style-type: none"> • Textile and wearing apparel • Leather and related products • Wood products • Paper and paper products • Printing and reproduction of recorded media • Furniture
Petroleum, Chemical, Rubber & Plastic Products	<ul style="list-style-type: none"> • Refined petroleum products • Chemicals & chemical products and pharmaceutical products • Rubber products • Plastics products
Non-metallic Mineral Products, Basic Metal & Fabricated Metal Products	<ul style="list-style-type: none"> • Non-metallic mineral products • Basic metals • Fabricated metal products
Electrical, Electronic & Optical products and Transport Equipment	<ul style="list-style-type: none"> • Machinery and equipment • Computers and peripheral equipment • Electrical equipment • Electronic components & boards, communication equipment and consumer electronics • Manufacture of medical, precision & optical instrument, watches and clocks • Motor vehicles and transport equipment • Other manufacturing and repair & installation of machinery and equipment

<i>Kind of Economic Activity</i>	<i>Description</i>
 CONSTRUCTION	
	<ul style="list-style-type: none"> • Residential buildings • Non-residential buildings • Civil engineering • Specialised construction activities
 SERVICES	
Wholesale and Retail Trade	<ul style="list-style-type: none"> • Wholesale trade • Retail trade • Motor vehicles
Food & Beverage and Accommodation	<ul style="list-style-type: none"> • Food and beverage • Accommodation
Transportation & Storage and Information & Communication	<ul style="list-style-type: none"> • Land transport • Water transport • Air transport • Port and airport operation • Highway operation • Support activities for transportation • Postal and courier • Information • Communication • Computer services
Finance, Insurance, Real Estate and Business Services	<ul style="list-style-type: none"> • Monetary intermediation • Other financial intermediation and activities auxiliary to finance • Insurance and pension funding • Activities auxiliary to insurance • Real estate

Kind of Economic Activity**Description**

- *Professional, scientific and technical*
- *Administrative and support services*
- *Owner occupied dwelling*

Other Services

- *Electricity and gas*
 - *Water, sewerage and waste management*
 - *Private health services*
 - *Private education services*
 - *Other private services*
 - *Government services*
 - *Non-profit institutions serving households*
 - *Domestic services of households*
-

SUMBER DATA

Jenis Aktiviti Ekonomi	Sumber Data
<p>PERTANIAN</p> 	<ul style="list-style-type: none"> • <i>Supply & Use Tables 2010</i> • Banci Ekonomi dan Survei Tahunan • Survei Perbelanjaan Modal Pertubuhan Awam • Lembaga Minyak Sawit Malaysia • Lembaga Getah Malaysia • Lembaga Perindustrian Nanas, Malaysia • Lembaga Koko Malaysia • Lembaga Lada Malaysia • Kementerian Pertanian & Industri Asas Tani, Malaysia • Jabatan Perkhidmatan Veterinar, Semenanjung Malaysia • Jabatan Perkhidmatan Veterinar, Sabah • Jabatan Perkhidmatan Veterinar, Sarawak
<p>PERLOMBONGAN DAN PENGKUARIAN</p> 	<ul style="list-style-type: none"> • <i>Supply & Use Tables 2010</i> • Banci Ekonomi Perlombongan & Pengkuarian • Perangkaan Petroleum dan Gas Asli • Survei Perbelanjaan Modal Pertubuhan Awam • Maklumat pelaburan minyak & gas
<p>PEMBUATAN</p> 	<ul style="list-style-type: none"> • <i>Supply & Use Tables 2010</i> • Banci Ekonomi Pembuatan • Survei Industri Pembuatan • Survei Perbelanjaan Modal Pertubuhan Awam
<p>PEMBINAAN</p> 	<ul style="list-style-type: none"> • <i>Supply & Use Tables 2010</i> • Banci Ekonomi Pembinaan • Survei Industri Pembinaan • Statistik Pembinaan Suku Tahunan • Survei Perbelanjaan Modal Pertubuhan Awam

Jenis Aktiviti Ekonomi	Sumber Data
<p>PERKHIDMATAN</p> 	<ul style="list-style-type: none"> • <i>Supply & Use Tables 2010</i> • Banci Ekonomi dan Survei Tahunan • Penyata Kewangan Kerajaan Persekutuan, Kerajaan Negeri, Pihak Berkuasa Tempatan dan Badan-badan Berkanun • Survei Perbelanjaan Modal Pertubuhan Awam • Perbadanan Kemajuan Filem Nasional Malaysia • Persatuan Industri Rakaman Malaysia • Penyata kewangan syarikat

SEMAKAN

Semakan anggaran tahunan bagi tahun 2014 dan 2015 adalah berdasarkan banci/ survei terkini bagi industri terpilih dan sumber lain.

SIMBOL & SINGKATAN

Simbol & singkatan berikut telah digunakan dalam keseluruhan penerbitan:


e	anggaran
p	permulaan
KDNK	Keluaran Dalam Negeri Kasar
<i>NPISHs</i>	Institusi Bukan Keuntungan yang Berkhidmat kepada Isi Rumah
PMTK	Pembentukan Modal Tetap Kasar
RM	Ringgit Malaysia
<i>SNA</i>	<i>System of National Accounts</i>

NOTA

Jumlah angka-angka komponen mungkin tidak bersamaan dengan angka jumlah kecil atau jumlah besar disebabkan pembundaran angka.

DATA SOURCES

Kind of Economic Activity	Data Sources
AGRICULTURE 	<ul style="list-style-type: none"> • <i>Supply & Use Tables 2010</i> • <i>Economic Census and Annual Surveys</i> • <i>Survey of Capital Expenditure for Public Establishments</i> • <i>Malaysian Palm Oil Board</i> • <i>Malaysian Rubber Board</i> • <i>Malaysian Pineapple Industry Board</i> • <i>Malaysian Cocoa Board</i> • <i>Malaysian Pepper Board</i> • <i>Ministry of Agriculture & Agro-Based Industry, Malaysia</i> • <i>Department of Veterinary Services, Peninsular Malaysia</i> • <i>Department of Veterinary Services, Sabah</i> • <i>Department of Veterinary Services, Sarawak</i>
MINING AND QUARRYING 	<ul style="list-style-type: none"> • <i>Supply & Use Tables 2010</i> • <i>Economic Census of Mining & Quarrying</i> • <i>Petroleum and Natural Gas Statistics</i> • <i>Survey of Capital Expenditure for Public Establishments</i> • <i>Information on oil & gas investment</i>
MANUFACTURING 	<ul style="list-style-type: none"> • <i>Supply & Use Tables 2010</i> • <i>Economic Census of Manufacturing</i> • <i>Survey of Manufacturing Industries</i> • <i>Survey of Capital Expenditure for Public Establishments</i>
CONSTRUCTION 	<ul style="list-style-type: none"> • <i>Supply & Use Tables 2010</i> • <i>Economic Census of Construction</i> • <i>Survey of Construction Industries</i> • <i>Quarterly Construction Statistics</i> • <i>Survey of Capital Expenditure for Public Establishments</i>

Kind of Economic Activity	Data Sources
SERVICES 	<ul style="list-style-type: none"> • <i>Supply & Use Tables 2010</i> • <i>Economic Census and Annual Surveys</i> • <i>Financial Statement of Federal Government, State Government, Local Authorities and Statutory Bodies</i> • <i>Survey of Capital Expenditure for Public Establishments</i> • <i>National Film Development Corporation Malaysia</i> • <i>Recording Industry Association of Malaysia</i> • <i>Financial statement from companies</i>

REVISIONS

Revisions of annual estimates for year 2014 and 2015 were based on latest census/ surveys for selected industries and other sources.

SYMBOLS & ABBREVIATIONS

The following symbols & abbreviations have been used throughout the publication:

<i>e</i>	<i>estimates</i>
<i>p</i>	<i>preliminary</i>
<i>etc.</i>	<i>et cetera</i>
<i>i.e.</i>	<i>that is</i>
<i>GDP</i>	<i>Gross Domestic Product</i>
<i>GFCF</i>	<i>Gross Fixed Capital Formation</i>
<i>NPISHs</i>	<i>Non-profit Institution Serving Households</i>
<i>RM</i>	<i>Ringgit Malaysia</i>
<i>SNA</i>	<i>System of National Accounts</i>

NOTE

The sum of the component figures may not tally with the sub-total or total figures due to rounding.

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OBTAINABLE FROM :

JABATAN PERANGKAAN MALAYSIA

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Diterbitkan dan dicetak oleh Jabatan Perangkaan Malaysia
Published and printed by Department of Statistics, Malaysia



Road to ISI WSC 2019

18th– 23rd August 2019
Kuala Lumpur Convention Centre