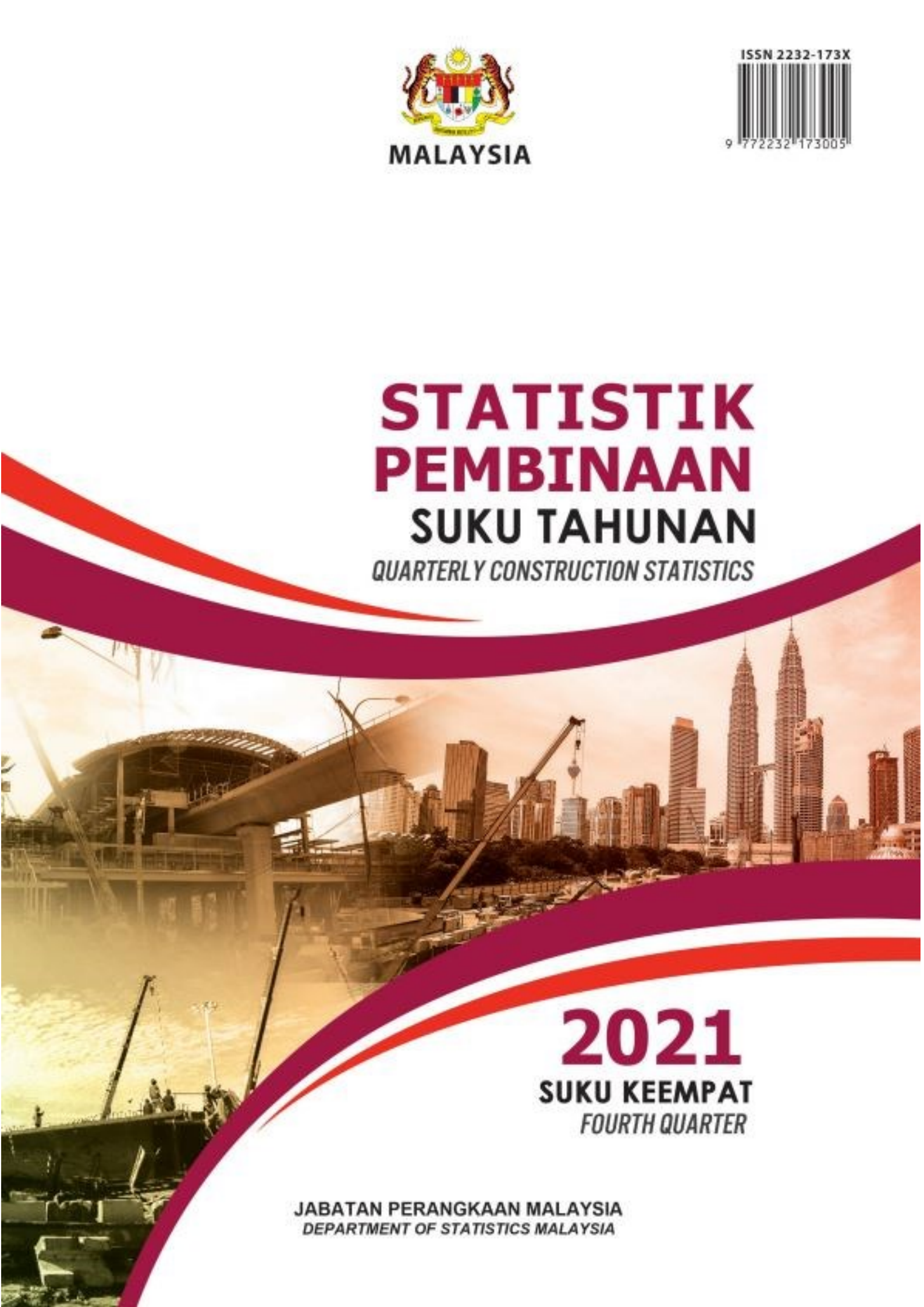


STATISTIK PEMBINAAN SUKU TAHUNAN

QUARTERLY CONSTRUCTION STATISTICS



2021
SUKU KEEMPAT
FOURTH QUARTER

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STATISTIK PEMBINAAN

SUKU TAHUNAN

Quarterly Construction Statistics

Pemakluman / Announcement:

Jabatan Perangkaan Malaysia sedang menjalankan Survei Pendapatan, Perbelanjaan Isi Rumah dan Kemudahan Asas (HIES/BA) 2022 bermula dari 1 Januari 2022 sehingga 31 Disember 2022.

Department of Statistics Malaysia is conducting Household Income, Expenditure and Basic Amenities Survey (HIES/BA) 2022 from 1st January 2022 until 31st December 2022.

Dimaklumkan bahawa Kerajaan Malaysia telah mengisytiharkan Hari Statistik Negara (MyStats Day) pada 20 Oktober setiap tahun.

Tema sambutan MyStats Day adalah
"Connecting the World with Data We Can Trust"

Please be informed that the Government of Malaysia has declared National Statistics Day (MyStats Day) on October 20 each year.

*MyStats Day theme is
"Connecting the World with Data We Can Trust"*

JABATAN PERANGKAAN MALAYSIA
DEPARTMENT OF STATISTICS MALAYSIA

SUKU KEEMPAT **2021**
Fourth Quarter

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Pengguna yang mengeluarkan sebarang maklumat dari terbitan ini sama ada yang asal atau diolah semula hendaklah meletakkan kenyataan berikut:

“Sumber: Jabatan Perangkaan Malaysia”.

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Penerbitan ini memaparkan statistik bagi sektor pembinaan yang disusun daripada **Survei Pembinaan Suku Tahunan**. Kontraktor utama dengan projek bernilai RM500,000 dan ke atas yang berdaftar dengan Lembaga Pembangunan Industri Pembinaan (LPIP) Malaysia diliputi dalam survei ini.

Data yang dilaporkan adalah berdasarkan kepada nilai kerja pembinaan bagi tempoh rujukan suku tahun pertama 2008 hingga suku tahun keempat 2021. Ia juga memuatkan maklumat pembinaan mengikut jenis aktiviti, negeri dan pemilik projek iaitu kerajaan, swasta dan perbadanan awam. Data tersebut digunakan bagi tujuan membuat perancangan pembangunan dan penggubalan dasar serta pengunjuran dan analisis ekonomi oleh kerajaan dan penyelidik.

Nota teknikal berkaitan dengan objektif, skop dan liputan serta konsep dan definisi yang digunakan turut dimuatkan dalam penerbitan ini bagi meningkatkan kefahaman berkenaan dengan data tersebut.

Jabatan Perangkaan Malaysia merakamkan penghargaan atas kerjasama yang diberikan oleh responden dan juga semua pihak yang telah menyumbang secara langsung dan tidak langsung dalam menjayakan penerbitan ini. Setiap maklum balas dan cadangan untuk penambahbaikan penerbitan ini pada masa akan datang amat dihargai.

DATO' SRI DR. MOHD UZIR MAHIDIN

Ketua Perangkawan Malaysia

Februari 2022

PREFACE

*This publication presents statistics for the construction sector, compiled from the **Quarterly Construction Survey**. Main contractor with projects worth RM500,000 and above, registered with the Construction Industry Development Board (CIDB) Malaysia is covered in this survey.*

The data presented is based on the value of construction work done for the reference period from the first quarter 2008 to the fourth quarter 2021. It also presents the construction data by type of activity, state and project owner, namely government, private sector and public corporation. The data is used for planning and policy formulation as well as for economic projection and analysis by the government and researchers.

Technical notes related to the objective, scope and coverage together with concepts and definitions used, are also included in this publication to enhance the understanding of the data.

The Department of Statistics, Malaysia gratefully acknowledges the co-operation rendered by the respondents as well as all parties who have contributed directly and indirectly in making this publication a success. Every feedback and suggestion towards improving future publication is highly appreciated.

DATO' SRI DR. MOHD UZIR MAHIDIN

Chief Statistician Malaysia

February 2022

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KALENDAR AWALAN KELUARAN 2021 STATISTIK PEMBINAAN SUKU TAHUNAN
ADVANCE RELEASE CALENDER YEAR 2021 QUARTERLY CONSTRUCTION STATISTICS

Suku tahun rujukan <i>Reference quarter</i>	Tarikh <i>Date</i>
Suku pertama 2021 <i>First quarter 2021</i>	10 Mei 2021 <i>10 May 2021</i>
Suku kedua 2021 <i>Second quarter 2021</i>	9 Ogos 2021 <i>9 August 2021</i>
Suku ketiga 2021 <i>Third quarter 2021</i>	11 November 2021 <i>11 November 2021</i>
Suku keempat 2021 <i>Fourth quarter 2021</i>	8 Februari 2022 <i>8 February 2022</i>

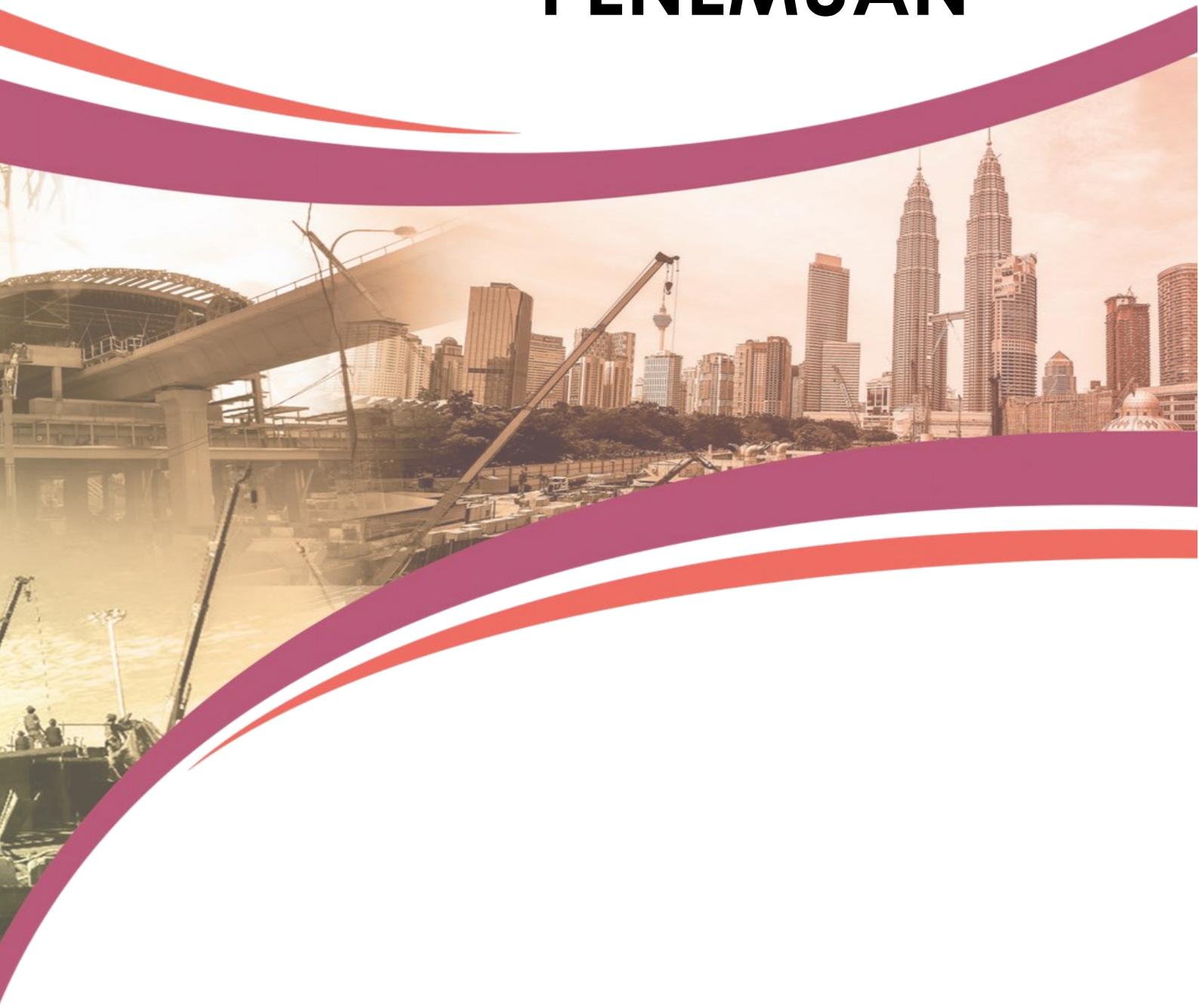
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Merujuk kepada tarikh data disebarkan kepada media atau dalam penerbitan khusus.
Refers to the date the data was disseminated to the media or in a specific publication.

Tarikh siaran tertakluk kepada pindaan.
Release dates are subject to change.

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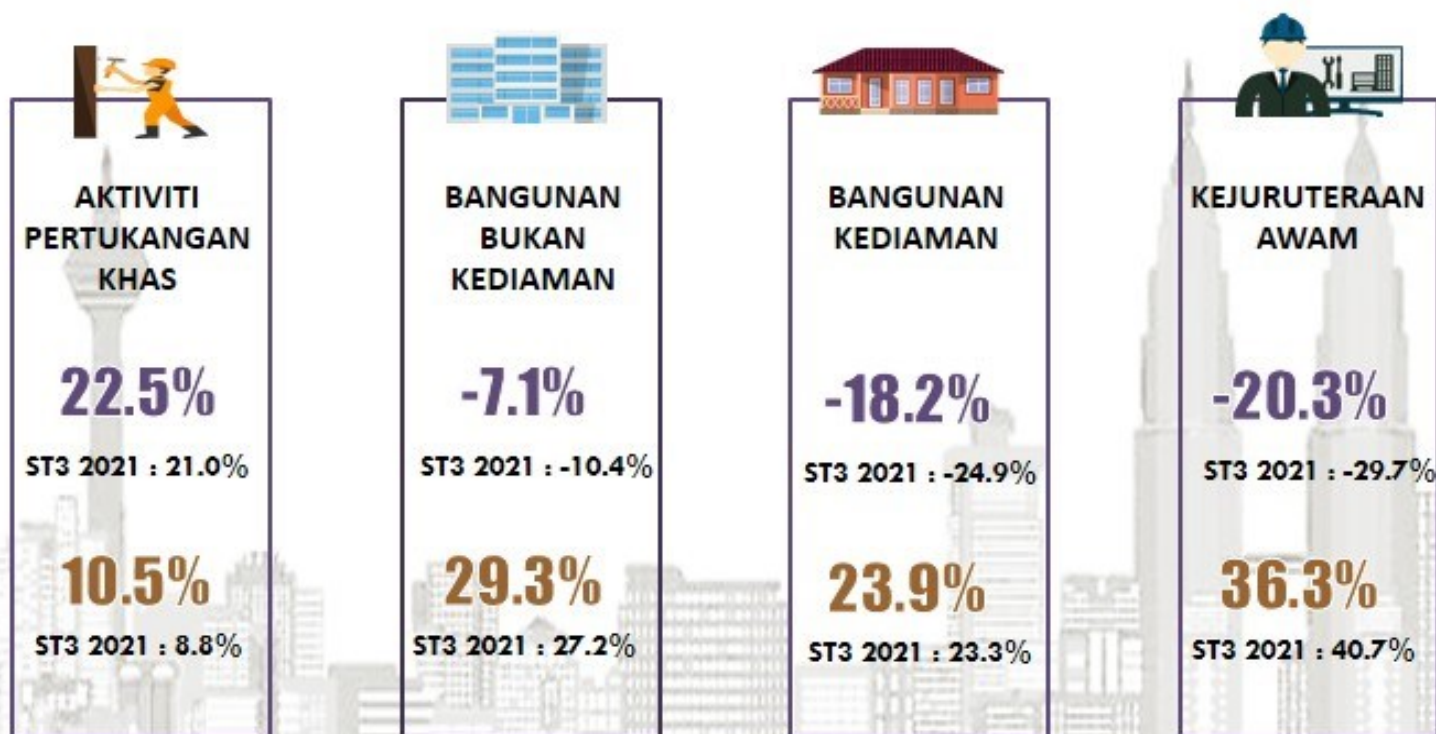
RINGKASAN PENEMUAN



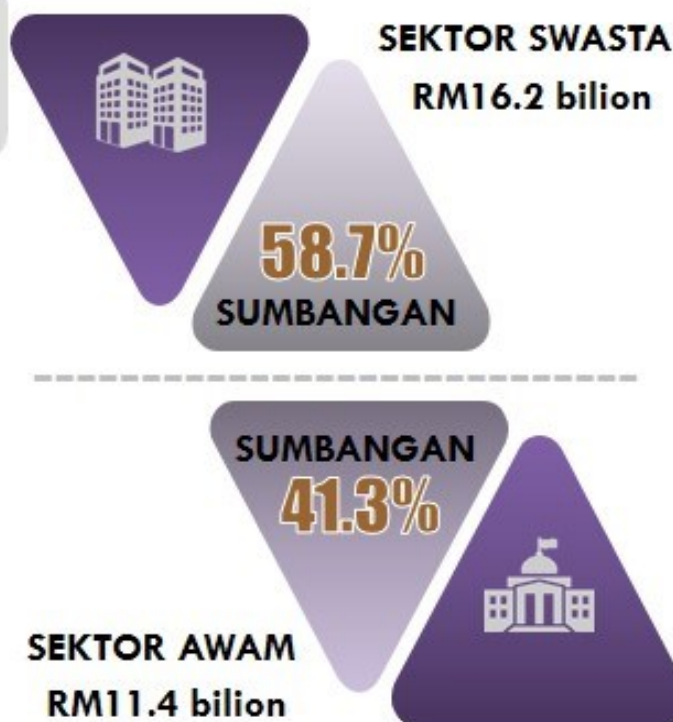
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SEKTOR PEMBINAAN MENGUNCUP SEBANYAK 12.9 PERATUS PADA SUKU KEEMPAT 2021 DENGAN NILAI KERJA PEMBINAAN, RM27.6 BILION



Tiga negeri utama menyumbang sebanyak **RM15.1 bilion** atau **54.6%** nilai kerja pembinaan pada ST4 2021



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1. Prestasi Sektor Pembinaan

Nilai kerja pembinaan pada suku keempat 2021 mencatat pemulihan -12.9 peratus (ST3 2021: -21.0%) berasas tahun ke tahun, berjumlah RM27.6 bilion (ST3 2021: RM24.8 bilion). Perbandingan suku tahun ke suku tahun juga menunjukkan nilai kerja pembinaan meningkat 11.5 peratus berbanding suku tahun sebelumnya seperti pada Carta 1.

Carta 1 : Nilai kerja pembinaan dan perubahan peratus, ST1 2019 - ST4 2021

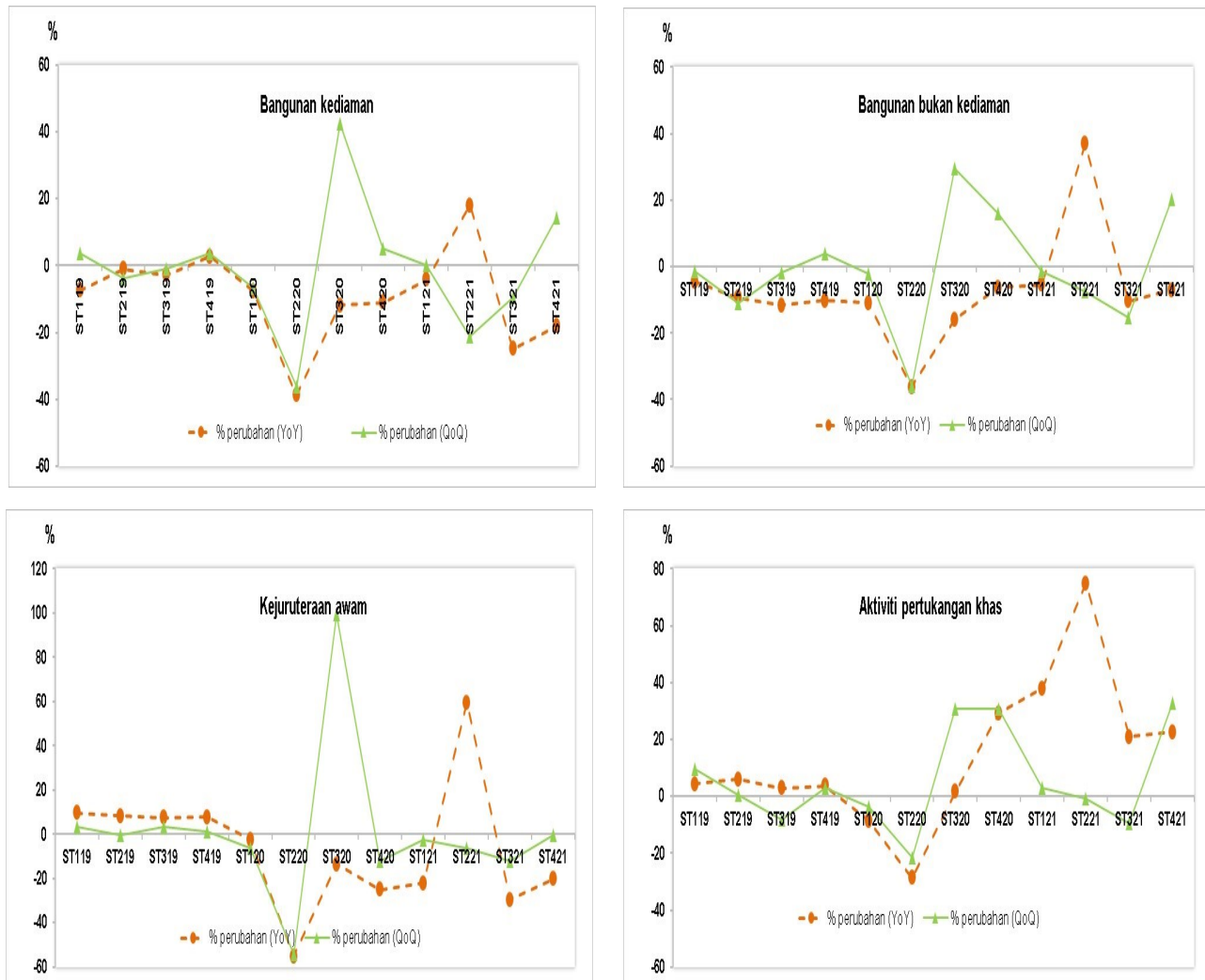


2. Prestasi mengikut Subsektor

Pada suku keempat 2021, subsektor Aktiviti pertukangan khas mencatat pertumbuhan 22.5 peratus. Walaubagaimana pun, tiga subsektor utama pembinaan lain, iaitu Bangunan kediaman, Bangunan bukan kediaman dan Kejuruteraan awam masing-masing menguncup -18.2 peratus, -7.1 peratus dan -20.3 peratus, berbanding suku yang sama 2020 seperti di Carta 2.

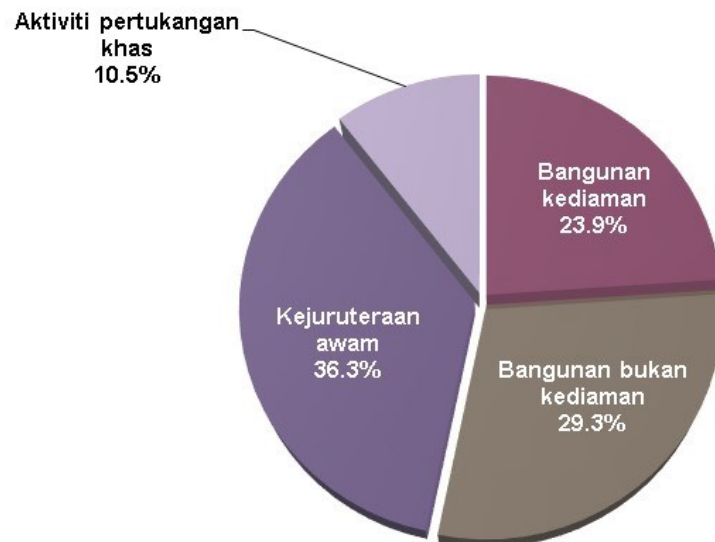
Semua subsektor menunjukkan peningkatan pada suku tahun keempat 2021 iaitu subsektor Aktiviti pertukangan khas menunjukkan peningkatan besar 32.7 peratus, diikuti Bangunan bukan kediaman (20.2%), Bangunan kediaman (14.5%) dan Kejuruteraan awam (-0.6%).

Carta 2 : Perubahan peratus tahunan mengikut subsektor, ST1 2019 - ST4 2021



Subsektor Kejuruteraan awam kekal mendominasi sebagai penyumbang utama nilai kerja pembinaan dengan 36.3 peratus. Subsektor Bangunan bukan kediaman menyumbang 29.3 peratus, Bangunan kediaman (23.9%) dan Aktiviti pertukangan khas (10.5%) seperti ditunjukkan di Carta 3.

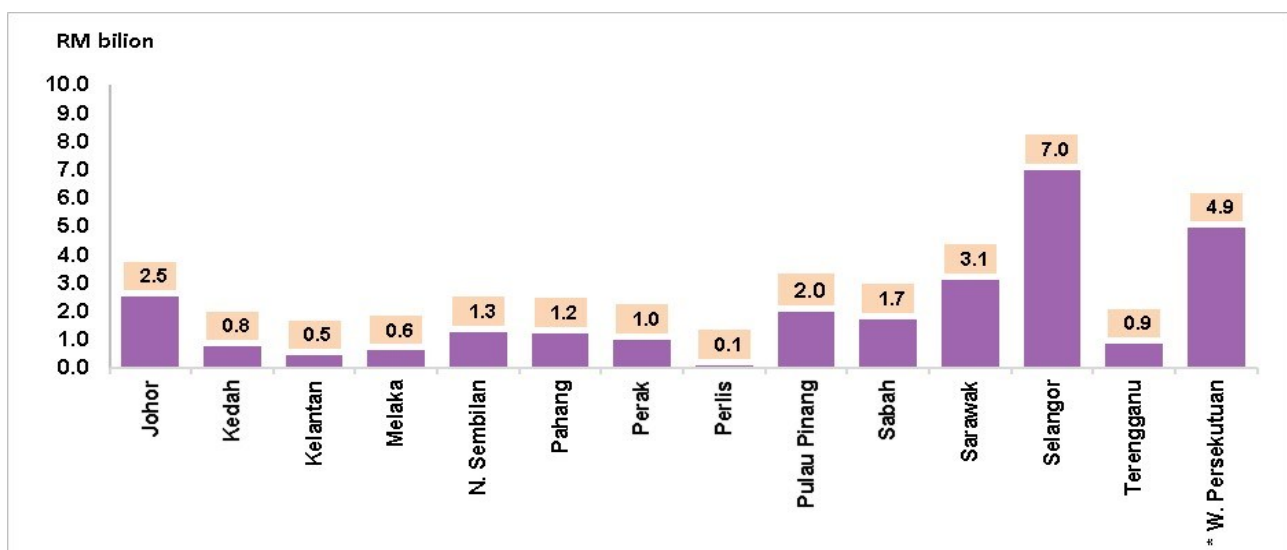
Carta 3 : Peratus sumbangan nilai kerja pembinaan mengikut subsektor, ST4 2021



3. Nilai Kerja Pembinaan mengikut Lokasi Projek

Selangor merekodkan nilai kerja pembinaan tertinggi pada suku keempat 2021 iaitu sebanyak RM7.0 bilion atau 25.3 peratus sumbangan. Ini diikuti oleh Wilayah Persekutuan dan Sarawak masing-masing sebanyak 17.9 peratus dan 11.3 peratus seperti pada Carta 4.

Carta 4 : Nilai kerja pembinaan mengikut lokasi projek, ST4 2021

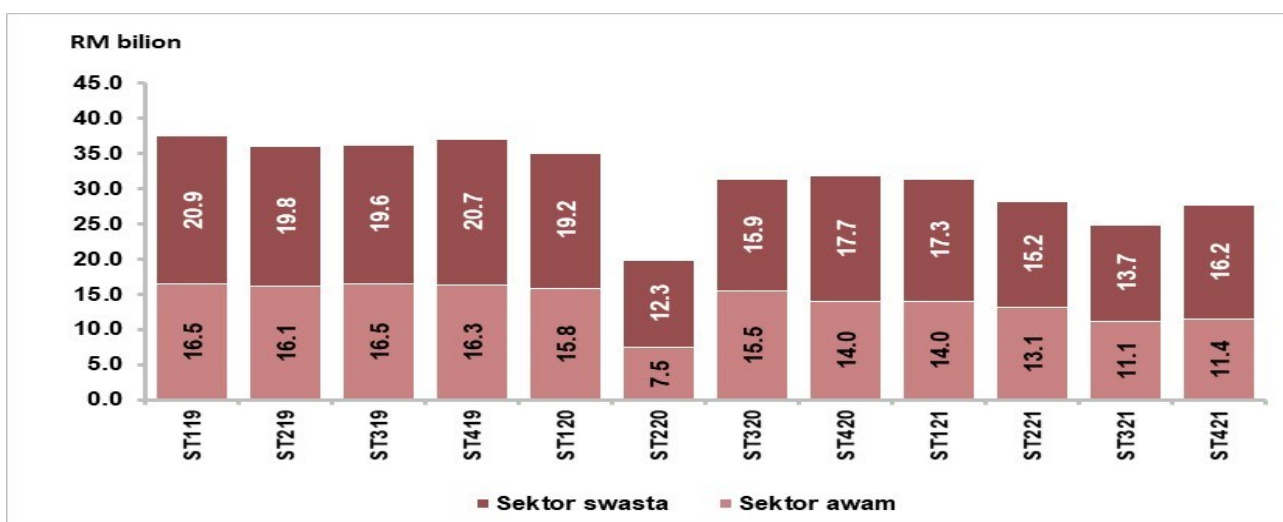


Nota: * Termasuk W.P. Kuala Lumpur, Labuan dan Putrajaya

4. Pembinaan mengikut Pemilik Projek

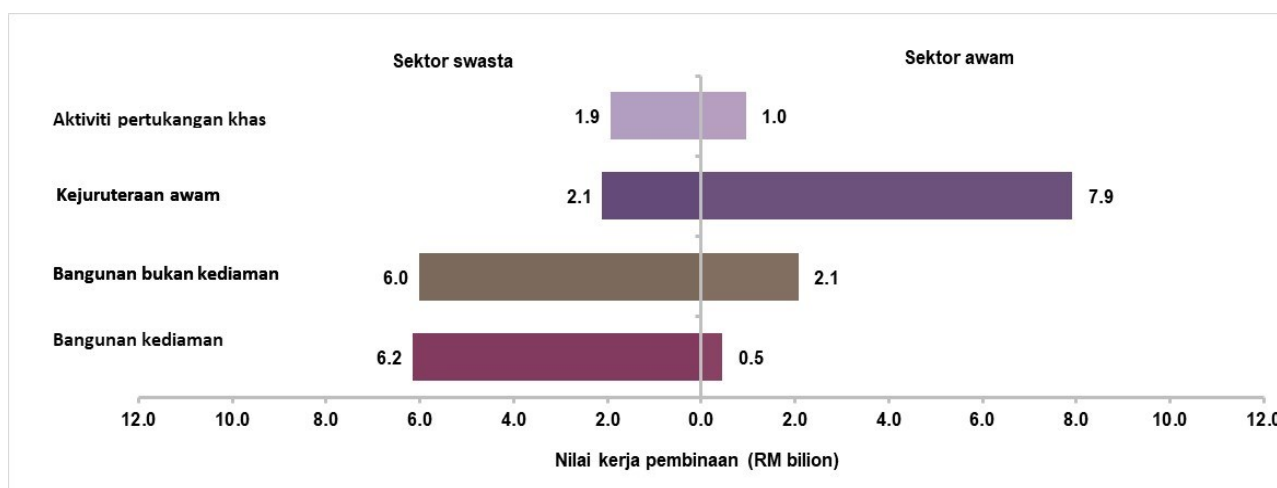
Sektor swasta terus memacu pertumbuhan aktiviti pembinaan dengan menyumbang 58.7 peratus nilai kerja pembinaan (RM16.2 bilion) berbanding dengan sektor awam yang menyumbang 41.3 peratus nilai kerja pembinaan (RM11.4 bilion) seperti yang ditunjukkan dalam Carta 5.

Carta 5 : Nilai kerja pembinaan mengikut pemilik projek, ST1 2019 - ST4 2021



Nilai kerja pembinaan subsektor Bangunan kediaman dan Bangunan bukan kediaman masih kekal memberi sumbangan signifikan bagi projek yang dimiliki sektor swasta iaitu masing-masing menyumbang sebanyak 37.9 peratus dan 37.1 peratus. Sebaliknya, projek milikan sektor awam pula disokong oleh subsektor Kejuruteraan awam dengan sumbangan sebanyak 69.4 peratus seperti di Carta 6.

Carta 6 : Nilai kerja pembinaan mengikut pemilik projek dan subsektor, ST4 2021



5. Nilai Kerja Pembinaan Tahunan

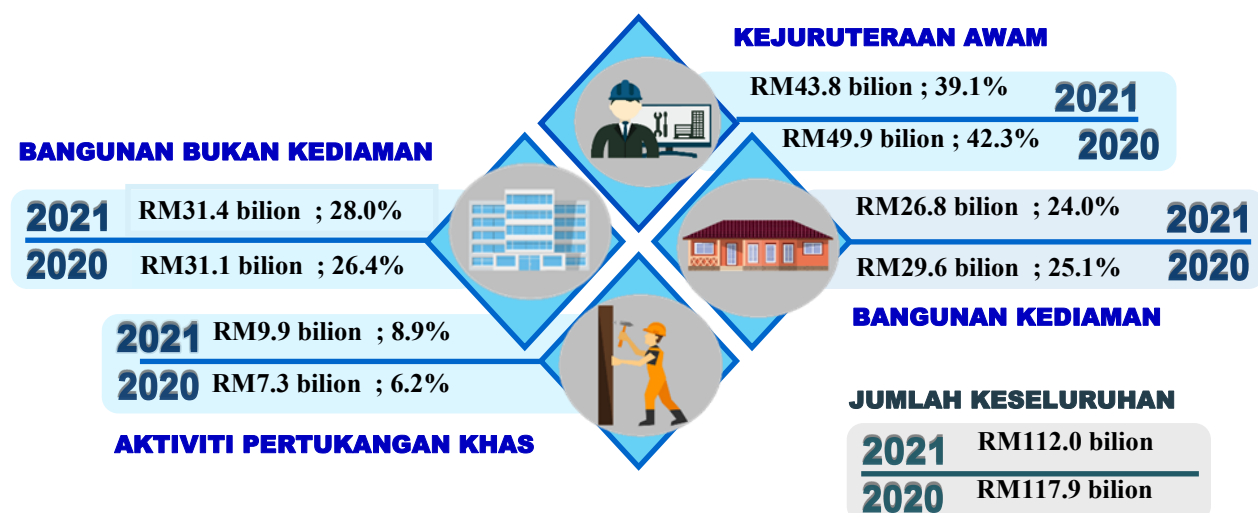
Pada tahun 2021, nilai kerja pembinaan tumbuh -5.0 peratus kepada RM112.0 bilion berbanding RM117.9 bilion pada 2020 seperti yang ditunjukkan dalam Carta 8.

Carta 8 : Nilai kerja pembinaan dan perubahan peratus tahunan, 2013 - 2021



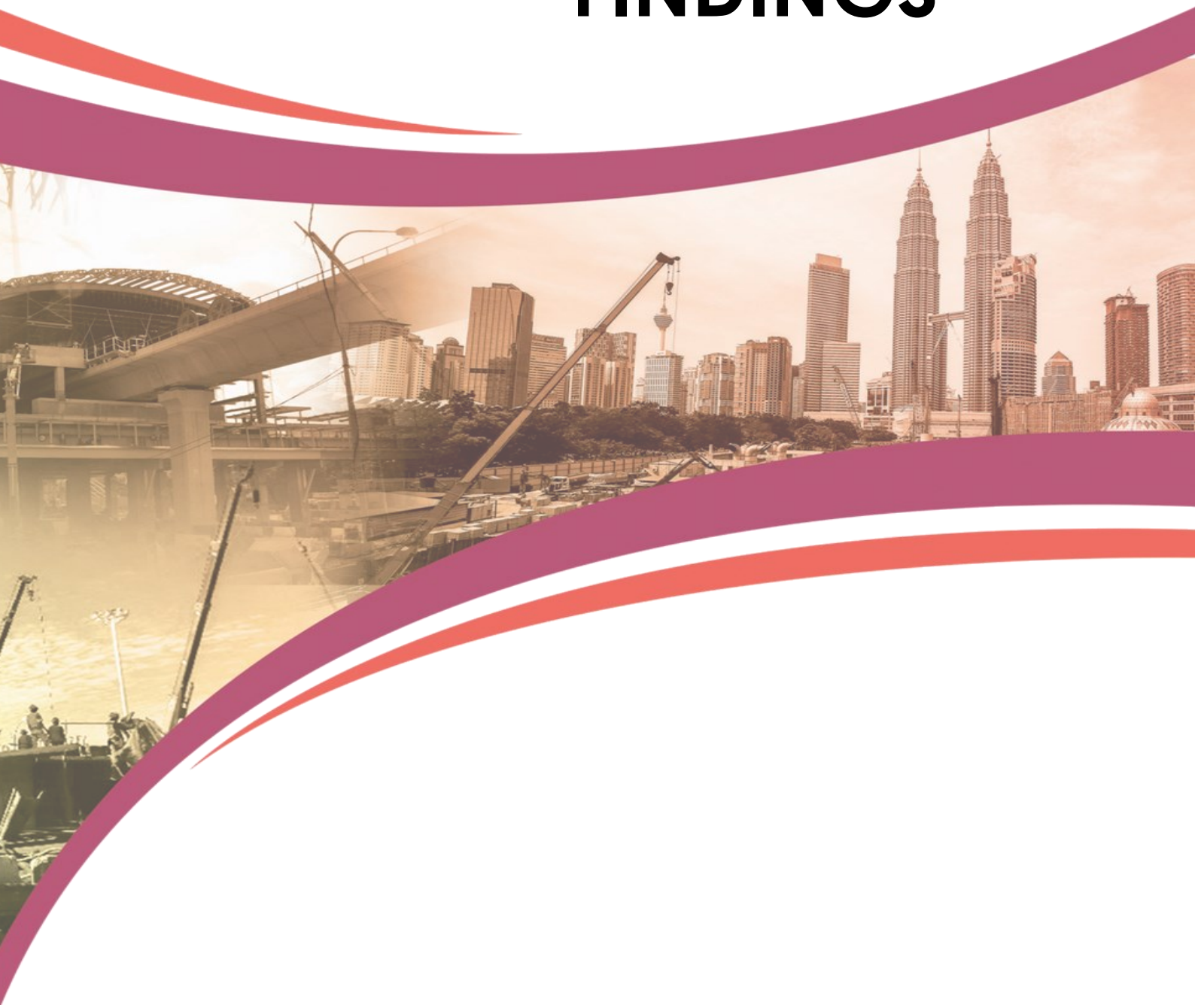
Semua subsektor mencatatkan pertumbuhan dalam nilai kerja pembinaan seperti berikut: subsektor Aktiviti Pertukangan Khas meningkat kepada 35.8 peratus, Bangunan bukan kediaman (0.8%), Bangunan kediaman (-9.3%) dan subsektor Kejuruteraan Awam (-12.1%). seperti ditunjukkan dalam Paparan 1.

Paparan 1 : Sumbangan nilai kerja pembinaan mengikut subsektor pembinaan, 2020 dan 2021



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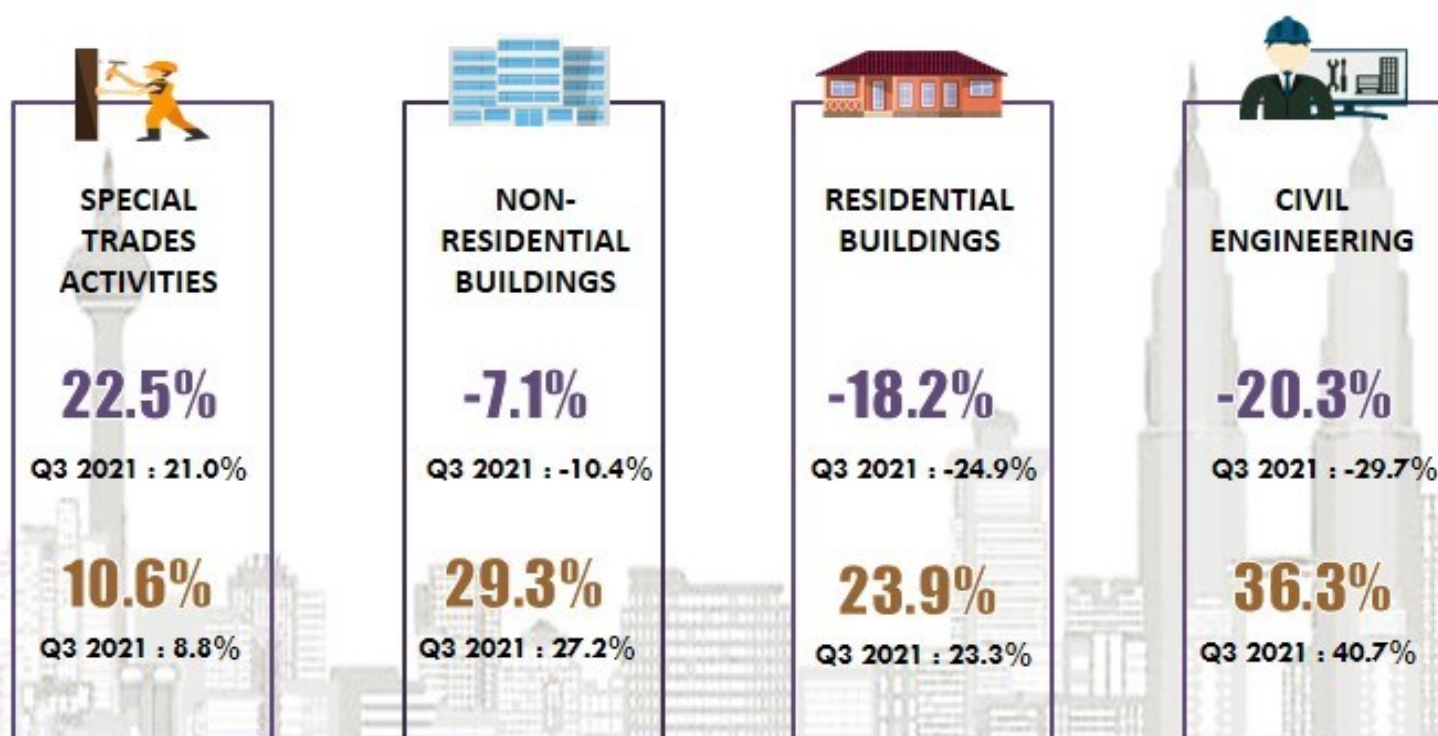
SUMMARY OF FINDINGS



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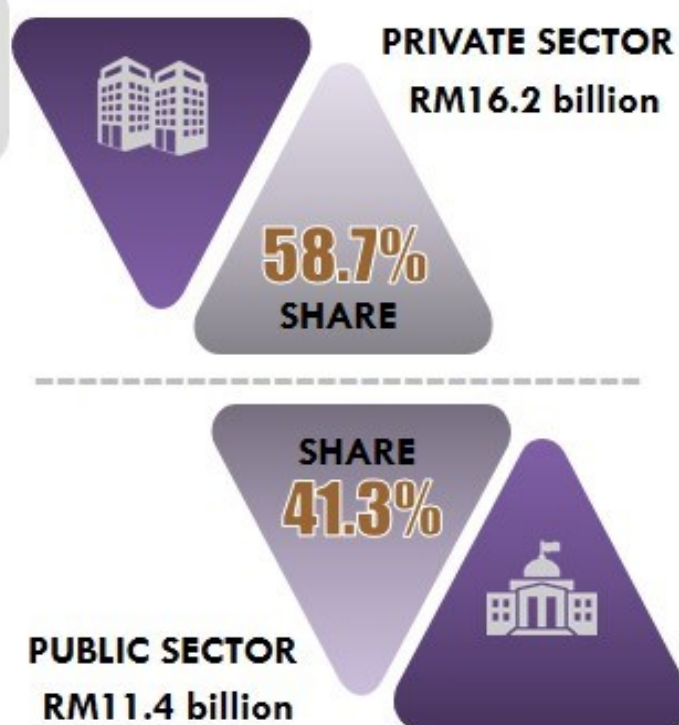


The construction sector contracted by **12.9 per cent** in the fourth quarter of 2021 with value of construction work done, **RM27.6 billion**



NOTE : ■ GROWTH ■ SHARE

Three main states contributed **RM15.1 billion** or **54.6%** value of work done in Q4 2021



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SUMMARY OF FINDINGS

1. Performance of The Construction Sector

The value of construction work done in the fourth quarter 2021 recorded a growth -12.9 per cent (Q3 2021: -21.0%) year-on-year basis, amounting to RM27.6 billion (Q3 2021: RM24.8 billion). A quarter-on-quarter comparison also showed the value of construction work done contracted by 11.5 per cent from the previous quarter as depicted in Chart 1.

Chart 1 : Value of construction work done and percentage change, Q1 2019 - Q4 2021

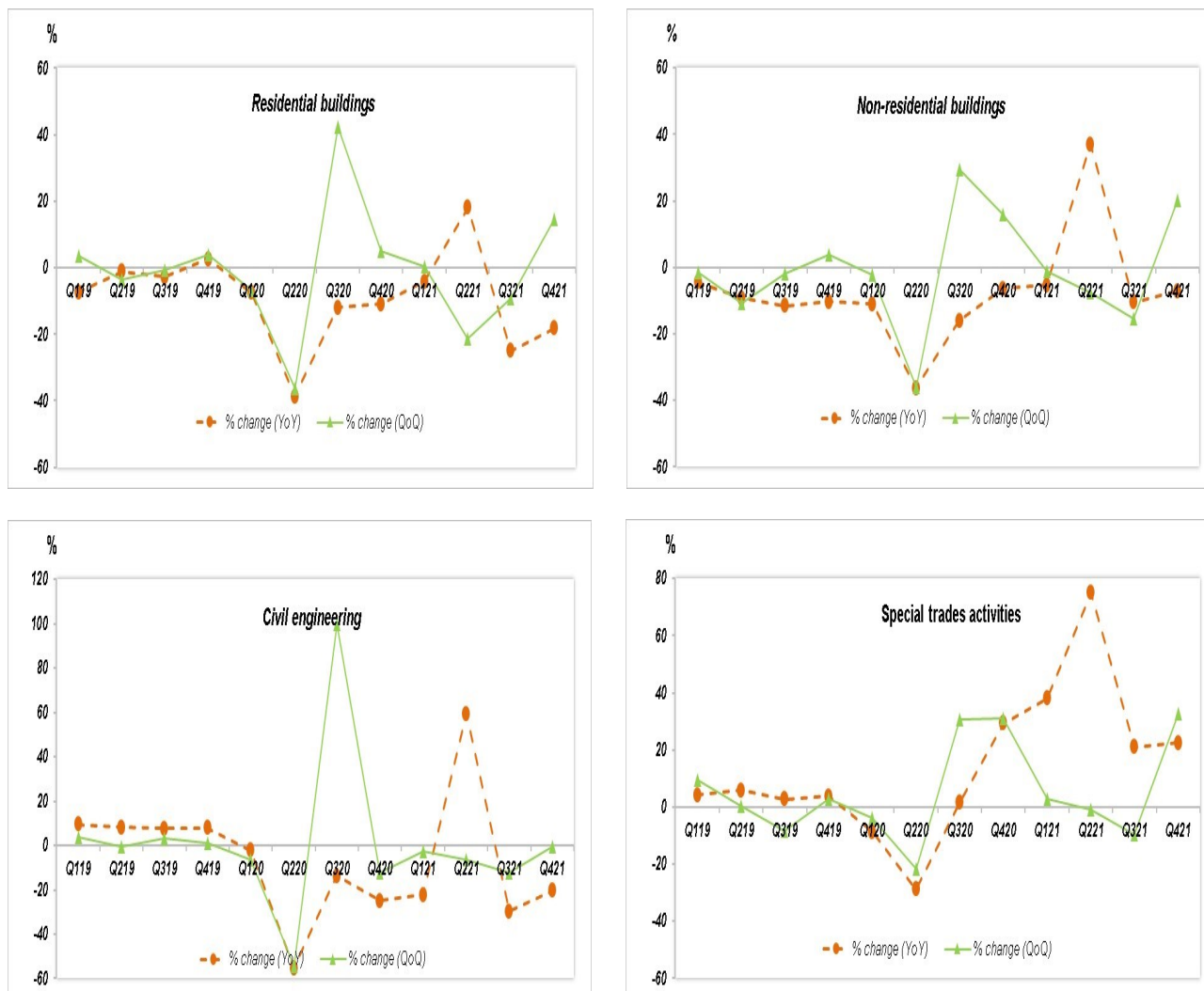


2. Performance by Subsector

For the fourth quarter 2021, Special trades activities subsector recorded a growth of 22.5 per cent. However, the three major construction subsectors, namely Residential buildings, Non-residential buildings and Civil engineering each contracted -18.2 per cent, -7.1 per cent and -20.3 per cent respectively, as compared with the same quarter 2020 as shown in Chart 2.

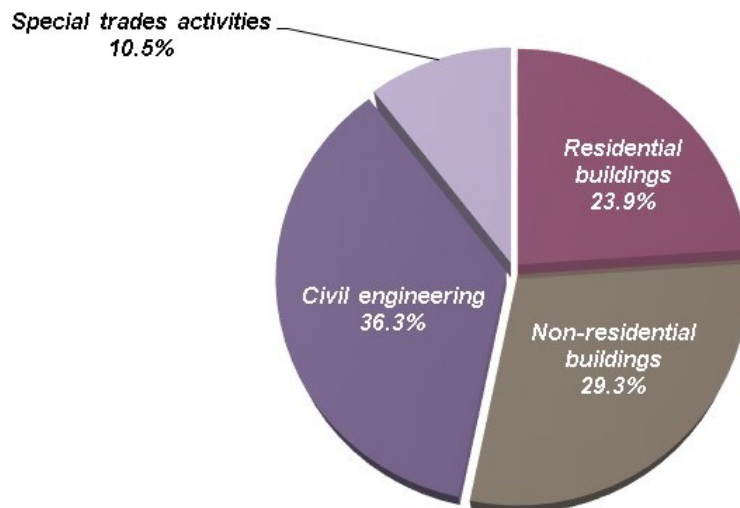
All subsectors showed an increase in the fourth quarter of 2021, namely the Special trade activities subsector showed a large increase of 32.7 per cent, followed by Non-residential buildings (20.2%), Residential buildings (14.5%) and Civil engineering (-0.6%).

Chart 2 : Annual percentage change by subsector, Q1 2019 - Q4 2021



Civil engineering subsector remained dominant as the main contributor to the value of construction work done with 36.3 per cent share. Non-residential buildings subsector contributed 29.3 per cent, Residential buildings (23.9%) and Special trades activities (10.5%) as shown in Chart 3.

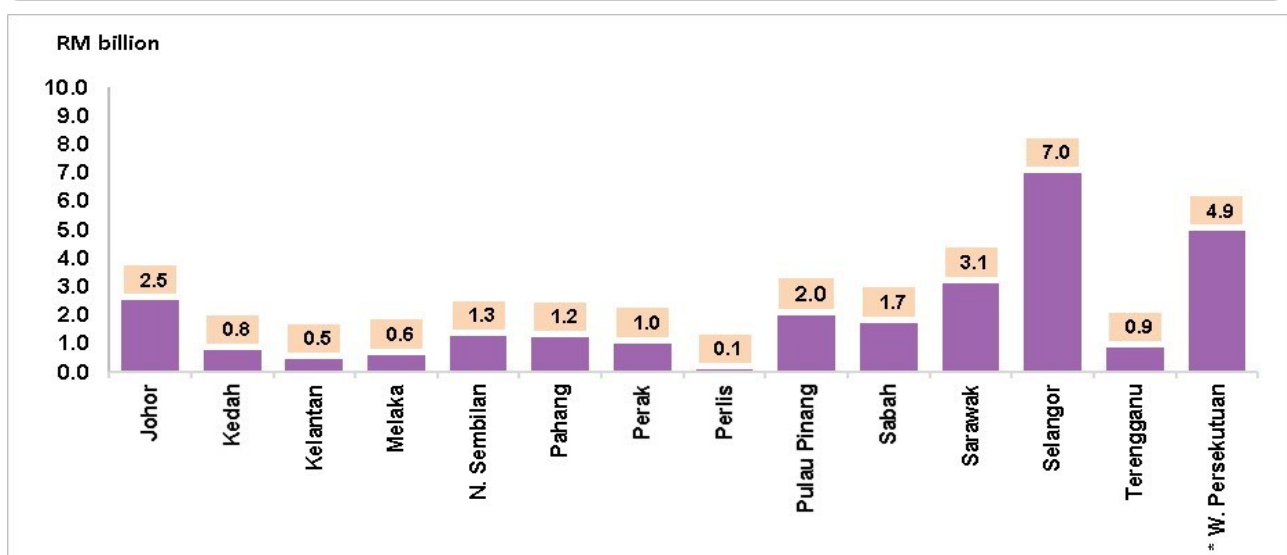
Chart 3 : Percentage share value of construction work done by subsector, Q4 2021



3. Value of Construction Work Done by Location of Project

Selangor recorded the highest value of construction work done in the fourth quarter 2021 with RM7.0 billion or 25.3 per cent share. This was followed by the Wilayah Persekutuan and Sarawak with 17.9 per cent and 11.3 per cent respectively as depicted in Chart 4.

Chart 4 : Value of construction work done by location of project, Q4 2021

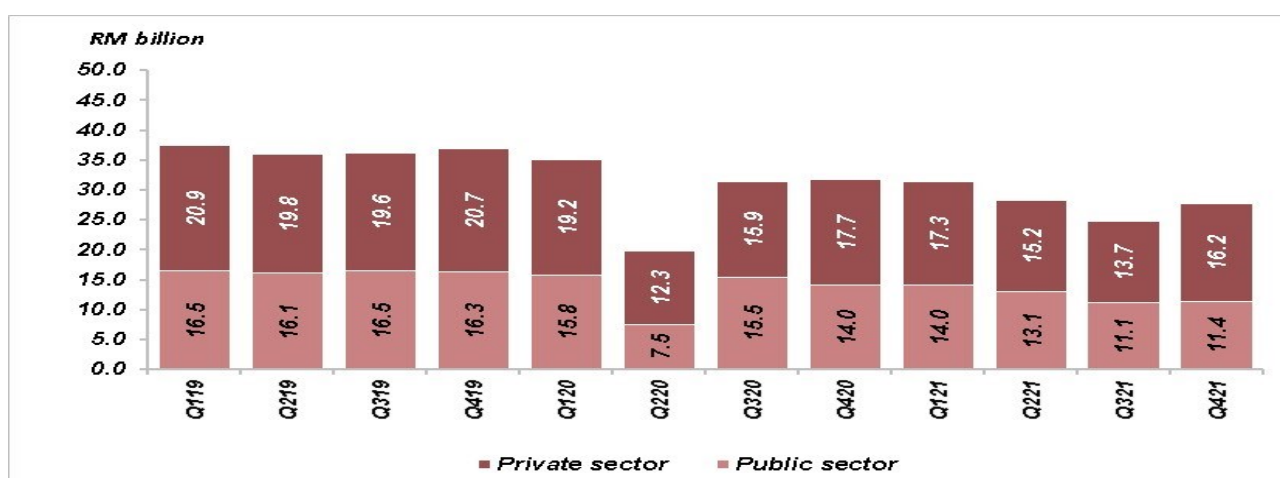


Note: * Include W.P. Kuala Lumpur, Labuan and Putrajaya

4. Construction by Project Owner

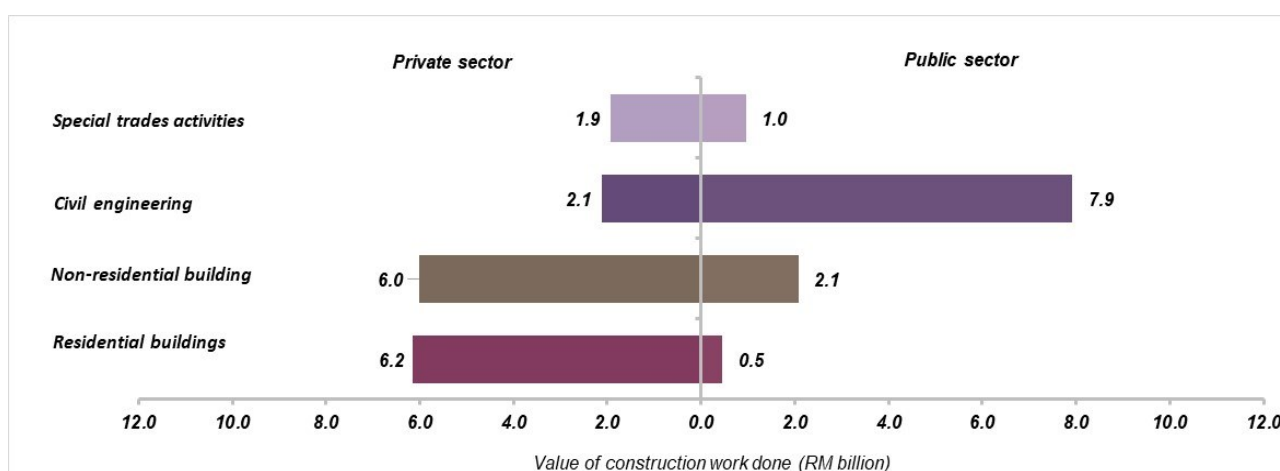
Private sector continued to propel the construction activity with 58.7 per cent share of value of construction work done (RM16.2 billion) as compared to the public sector with 41.3 per cent share of value of construction work done (RM11.4 billion) as shown in Chart 5.

Chart 5 : Value of construction work done by project owner and subsector, Q1 2019 - Q4 2021



The value of construction work done in Residential buildings and Non-residential buildings subsectors remained significant in the project owned by the private sector which contributed 37.9 per cent and 37.1 per cent respectively. Meanwhile, the project owned by the public sector was underpinned by the Civil engineering subsector with a share of 69.4 per cent share as in Chart 6.

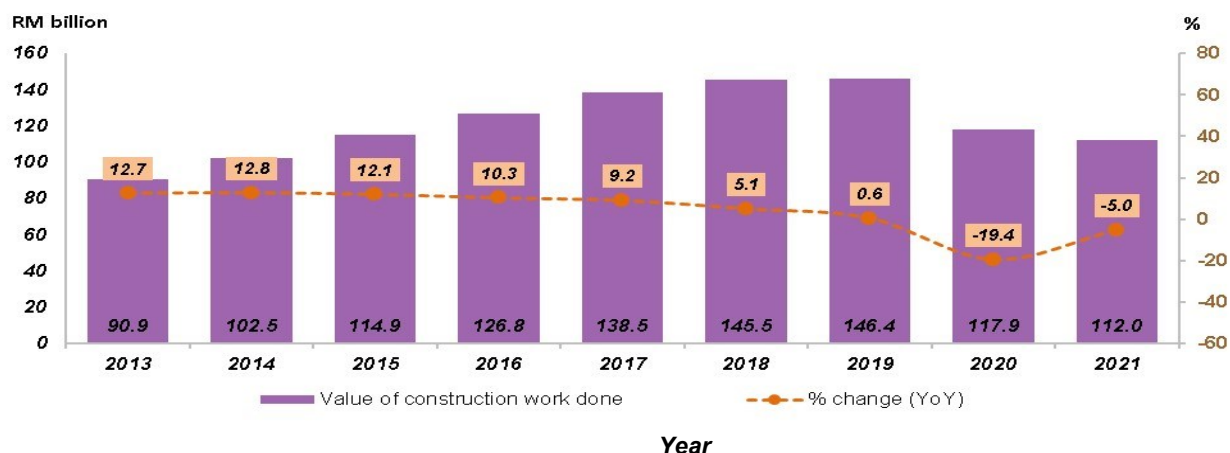
Chart 6 : Value of construction work done by project owner, Q1 2019 - Q4 2021



5. Annual Value of Construction Work Done

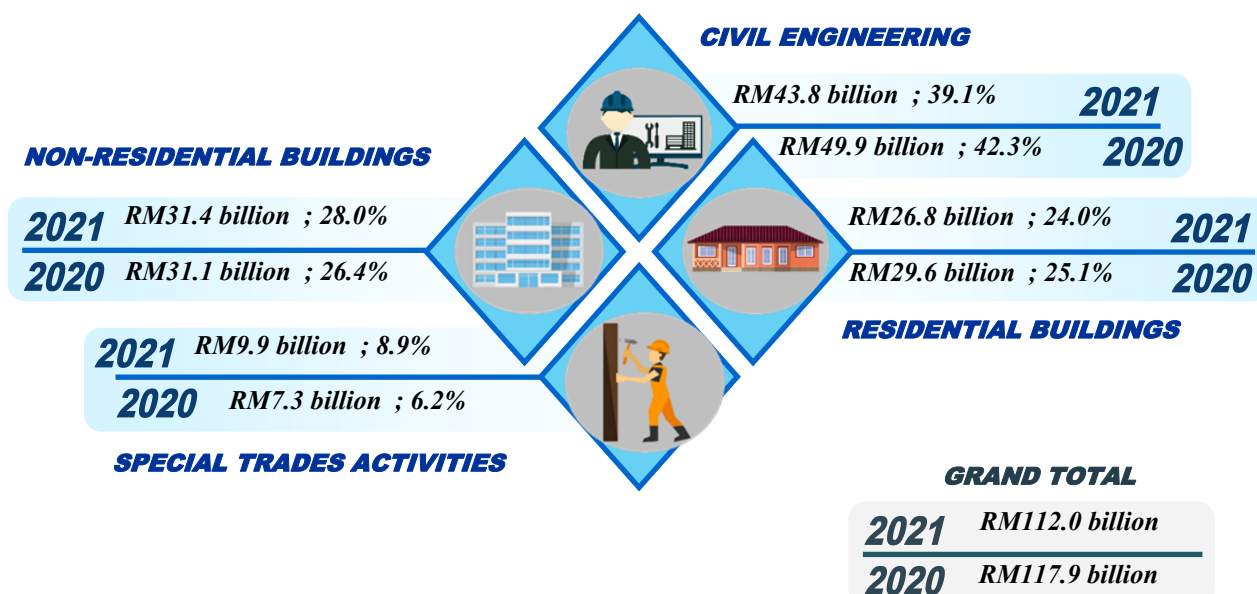
In 2021, the value of construction work done grew -5.0 per cent to RM112.0 billion as compared to RM117.9 billion in 2020 as shown in Chart 8.

Chart 8 : Value of construction work done and annual percentage change, 2013 - 2021



All subsector recorded growth in the value of construction work done as follows: Special trades activities subsector increased 35.8 per cent, Non-residential buildings (0.8%), Residential buildings (-9.3%) and Civil Engineering subsector (-12.1%) are shown in Exhibit 1.

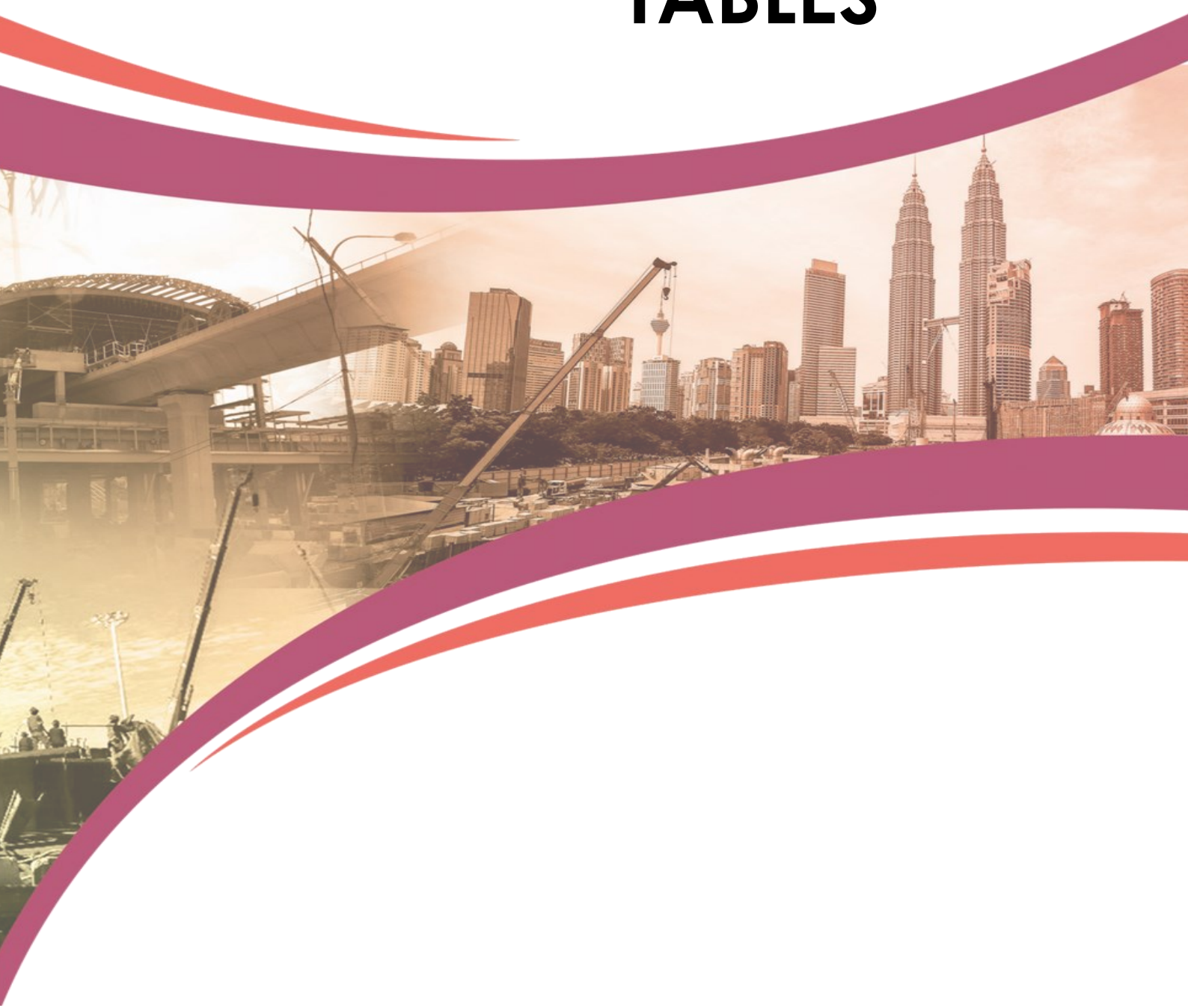
Exhibit 1 : Contribution of construction work done by subsectors, 2020 - 2021



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JADUAL

TABLES



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1 Nilai kerja pembinaan mengikut jenis aktiviti, Malaysia, ST4 2021
Value of construction work done by type of activity, Malaysia, Q4 2021

Jenis Aktiviti Pembinaan <i>Type of Construction Activity</i>	Kod MSIC <i>MSIC Code</i>	Nilai kerja pembinaan <i>Value of construction work done</i>	
		(RM '000)	%
1. Pembinaan bangunan <i>Construction of buildings</i>	4100	14,704,460	53.2
2. Pembinaan jalan raya dan landasan kereta api <i>Construction of roads and railways</i>	4210	5,978,156	21.6
3. Pembinaan projek utiliti <i>Construction of utility projects</i>	4220	2,820,135	10.2
4. Pembinaan projek kejuruteraan awam lain, kecuali bangunan <i>Construction of other civil engineering projects, except buildings</i>	4290	1,229,459	4.5
5. Perobohan <i>Demolition</i>	4311	23,345	0.1
6. Penyediaan tapak <i>Sites preparation</i>	4312	384,591	1.4
7. Pemasangan elektrik <i>Electrical installation</i>	4321	698,878	2.5
8. Pemasangan sistem paip, pemanasan dan pendingin udara <i>Plumbing, heat and air-conditioning installation</i>	4322	738,713	2.7
9. Pemasangan pembinaan lain <i>Other construction installation</i>	4329	176,239	0.6
10. Penyiapan dan kemasan bangunan <i>Building completion and finishing</i>	4330	410,498	1.5
11. Aktiviti pembinaan pertukangan khas lain <i>Other specialized construction activities</i>	4390	461,384	1.7
Jumlah / Total		27,625,856	100.0

2

Nilai kerja pembinaan mengikut lokasi projek dan subsektor, ST4 2021
Value of construction work done by location of project and subsector, Q4 2021

					(RM '000)
Negeri	Bangunan kediaman	Bangunan bukan kediaman	Kejuruteraan awam	Aktiviti pertukangan khas	Jumlah
State	Residential buildings	Non-residential buildings	Civil engineering	Special trades activities	Total
(RM '000)					
Johor	780,905	704,066	700,849	330,840	2,516,660
Kedah	174,029	266,692	231,677	95,446	767,844
Kelantan	72,706	89,505	273,553	15,100	450,864
Melaka	229,060	163,047	173,624	53,276	619,007
Negeri Sembilan	310,175	240,868	573,783	145,545	1,270,370
Pahang	258,656	284,788	495,261	188,136	1,226,841
Perak	309,003	332,733	263,064	109,693	1,014,493
Perlis	18,935	30,208	22,566	31,125	102,834
Pulau Pinang	386,189	880,875	373,397	357,945	1,998,406
Sabah	138,667	364,833	1,136,650	87,711	1,727,860
Sarawak	284,506	655,353	1,966,171	224,216	3,130,247
Selangor	2,102,021	1,975,920	2,341,685	576,352	6,995,978
Terengganu	59,929	161,501	494,615	139,823	855,868
Wilayah Persekutuan *	1,483,780	1,945,509	980,854	538,441	4,948,584
Malaysia	6,608,562	8,095,898	10,027,749	2,893,647	27,625,856

Nota/ Note : * termasuk / includes Wilayah Persekutuan Kuala Lumpur, Putrajaya dan Labuan

3 Nilai kerja pembinaan mengikut subsektor dan pemilik projek, ST4 2021

Value of construction work done by subsector and project owner, Q4 2021

(RM '000)

Jenis aktiviti pembinaan Types of construction activity	Pemilik projek / Project owner				Jumlah Total
	Swasta Private	Awam Public			
		Kerajaan Government	Perbadanan awam Public corporation	Jumlah Total	
Bangunan kediaman Residential buildings	6,151,056	288,922	168,584	457,506	6,608,562
Bangunan bukan kediaman Non-residential buildings	6,017,915	1,590,388	487,595	2,077,983	8,095,898
Kejuruteraan awam Civil engineering	2,108,965	4,324,145	3,594,639	7,918,784	10,027,749
Aktiviti pertukangan khas Special trades activities	1,936,719	535,024	421,904	956,928	2,893,647
Jumlah / Total	16,214,655	6,738,479	4,672,722	11,411,201	27,625,856

4 Nilai kerja pembinaan mengikut peringkat siap projek dan subsektor, ST4 2021

Value of construction work done by stage of project completion and subsector, Q4 2021

(RM '000)

Peringkat siap projek (%)	Bangunan kediaman	Bangunan bukan kediaman	Kejuruteraan awam	Aktiviti pertukangan khas	Jumlah
<i>Stage of project completion (%)</i>	<i>Residential buildings</i>	<i>Non-residential buildings</i>	<i>Civil engineering</i>	<i>Special trades activities</i>	<i>Total</i>
10 dan kurang <i>10 and less</i>	417,478	455,269	474,648	60,249	1,407,643
11 - 20	614,161	707,733	574,458	196,722	2,093,074
21 - 30	556,047	618,429	552,417	126,184	1,853,077
31 - 40	525,891	603,155	1,130,733	198,962	2,458,741
41 - 50	581,954	795,262	532,076	198,203	2,107,495
51 - 60	694,330	799,314	504,777	260,419	2,258,841
61 - 70	691,823	1,021,720	1,352,569	298,467	3,364,579
71 - 80	749,288	672,692	954,881	296,028	2,672,889
81 - 90	631,774	953,202	1,406,662	408,670	3,400,308
91 - 100	1,145,815	1,469,123	2,544,528	849,743	6,009,209
Jumlah / Total	6,608,562	8,095,898	10,027,749	2,893,647	27,625,856

5 Nilai kerja pembinaan, ST1 2012 - ST4 2021

Value of construction work done, Q1 2012 - Q4 2021

Suku tahun <i>Quarter</i>	Bilangan projek <i>Number of project</i>	Nilai kerja pembinaan <i>Value of work done</i>	Peratus perubahan <i>Percentage change</i>	
		(RM '000)	(QoQ)	(YoY)
Q4 / 2021	17,413	27,625,856	11.5	-12.9
Q3 / 2021	16,589	24,775,795	-12.2	-21.0
Q2 / 2021	14,626	28,211,661	-10.1	42.6
Q1 / 2021	14,241	31,369,047	-1.1	-10.5
Q4 / 2020	14,160	31,730,846	1.2	-14.2
Q3 / 2020	13,598	31,367,003	58.6	-13.1
Q2 / 2020	12,676	19,780,063	-43.6	-44.9
Q1 / 2020	11,857	35,040,152	-5.2	-6.3
Q4 / 2019	11,862	36,978,460	2.5	1.3
Q3 / 2019	11,018	36,076,604	0.4	-0.6
Q2 / 2019	10,579	35,919,139	-4.0	0.8
Q1 / 2019	9,939	37,397,513	2.4	0.7
Q4 / 2018	9,892	36,511,049	0.6	4.1
Q3 / 2018	9,905	36,287,482	1.9	5.2
Q2 / 2018	9,580	35,624,699	-4.0	5.3
Q1 / 2018	9,259	37,123,931	5.8	5.9
Q4 / 2017	8,747	35,077,956	1.7	7.7
Q3 / 2017	8,844	34,495,002	2.0	8.1
Q2 / 2017	9,405	33,825,084	-3.5	11.2
Q1 / 2017	9,572	35,053,464	7.7	9.7
Q4 / 2016	9,791	32,559,568	2.0	8.1
Q3 / 2016	9,725	31,909,993	4.9	10.7
Q2 / 2016	9,983	30,427,274	-4.7	11.7
Q1 / 2016	10,043	31,941,170	6.0	11.1
Q4 / 2015	10,230	30,128,938	4.5	11.2
Q3 / 2015	9,883	28,834,152	5.9	14.0
Q2 / 2015	10,074	27,239,139	-5.2	8.2
Q1 / 2015	9,982	28,740,794	6.1	15.1
Q4 / 2014	10,000	27,099,410	7.1	9.7
Q3 / 2014	9,835	25,300,648	0.5	10.7
Q2 / 2014	9,875	25,172,816	0.8	10.8
Q1 / 2014	9,774	24,973,339	1.1	21.2
Q4 / 2013	9,652	24,692,364	8.1	11.3
Q3 / 2013	9,753	22,851,629	0.6	12.0
Q2 / 2013	9,392	22,717,500	10.2	11.6
Q1 / 2013	8,719	20,613,411	-7.1	16.3
Q4 / 2012	9,324	22,190,736	8.8	25.6
Q3 / 2012	8,862	20,401,333	0.3	27.2
Q2 / 2012	8,818	20,348,855	14.8	35.3
Q1 / 2012	8,585	17,725,906	0.4	14.2

6 Nilai kerja pembinaan mengikut lokasi projek, ST1 2016 - ST4 2021
Value of construction work done by location of project, Q1 2016 - Q4 2021

RM juta / million

Negeri State	Tahun / Suku tahun Year / Quarter											
	2021				2020				2019			
	Q4	Q3	Q2	Q1	Q4	Q3	Q2	Q1	Q4	Q3	Q2	Q1
Johor	2,517	1,941	2,285	2,864	3,029	2,718	2,408	3,986	4,364	4,779	5,185	6,176
Kedah	768	659	635	804	685	691	742	953	834	697	579	653
Kelantan	451	442	333	382	508	429	221	444	355	336	267	280
Melaka	619	533	528	781	715	577	419	1,074	1,381	750	727	1,247
Negeri Sembilan	1,270	1,138	1,042	1,198	1,421	1,368	512	1,354	1,394	1,672	1,501	1,795
Pahang	1,227	1,108	1,047	1,489	904	839	643	1,088	1,037	1,148	999	946
Perak	1,014	995	923	1,059	1,046	1,061	797	1,347	1,194	1,494	1,520	1,624
Perlis	103	88	99	131	108	91	52	57	61	67	59	81
Pulau Pinang	1,998	1,625	1,881	2,001	1,588	1,523	914	1,641	1,562	1,400	1,618	1,964
Sabah	1,728	1,558	1,667	1,798	1,400	1,451	958	1,900	1,884	1,839	1,819	1,796
Sarawak	3,130	3,612	3,442	3,806	3,262	3,781	2,158	3,518	3,586	3,290	3,064	3,575
Selangor	6,996	5,468	7,546	7,818	8,698	8,351	5,392	8,657	9,321	8,858	10,017	8,556
Terengganu	856	907	857	791	793	785	730	978	1,145	776	697	697
Wilayah Persekutuan *	4,949	4,701	5,926	6,446	7,574	7,702	3,835	8,043	8,858	8,968	7,867	8,008
Malaysia	27,626	24,776	28,212	31,369	31,731	31,367	19,780	35,040	36,978	36,077	35,919	37,398

Nota/ Note : * termasuk / includes Wilayah Persekutuan Kuala Lumpur, Putrajaya dan Labuan

RM juta / million

Tahun / Suku tahun Year / Quarter												Negeri State
2018				2017				2016				
Q4	Q3	Q2	Q1	Q4	Q3	Q2	Q1	Q4	Q3	Q2	Q1	
6,673	6,815	6,572	8,349	6,764	5,842	5,615	6,938	6,783	7,129	6,731	6,907	Johor
570	644	836	685	543	552	638	1,013	740	761	590	731	Kedah
246	319	296	193	289	513	551	355	511	483	409	386	Kelantan
1,421	773	951	1,228	1,674	1,161	1,573	814	803	612	479	518	Melaka
1,674	1,906	1,932	1,141	1,433	1,577	1,584	846	1,192	1,088	1,175	962	Negeri Sembilan
1,242	1,367	1,535	1,570	2,162	2,279	1,939	1,571	1,648	1,629	1,499	1,715	Pahang
1,698	1,433	1,039	1,222	858	976	938	1,042	1,245	1,344	1,317	1,657	Perak
54	67	96	69	52	75	39	61	44	62	81	143	Perlis
1,666	1,628	1,568	1,713	1,461	1,736	1,581	1,620	1,737	1,638	1,624	1,748	Pulau Pinang
1,777	1,816	1,690	1,617	1,624	1,437	1,249	1,118	1,204	1,609	1,478	1,292	Sabah
3,380	3,461	3,255	2,871	2,740	2,586	3,528	2,850	2,647	2,154	2,041	2,005	Sarawak
8,071	8,256	8,152	7,486	7,809	8,042	7,319	8,341	7,144	6,988	6,908	6,739	Selangor
756	701	704	932	672	1,028	812	793	509	541	561	674	Terengganu
7,284	7,103	6,999	8,048	6,996	6,689	6,459	7,692	6,352	5,872	5,534	6,465	Wilayah Persekutuan *
36,511	36,287	35,625	37,124	35,078	34,495	33,825	35,053	32,560	31,910	30,427	31,941	Malaysia

Nota/ Note: * termasuk / includes Wilayah Persekutuan Kuala Lumpur, Putrajaya dan Labuan

6 Nilai kerja pembinaan mengikut lokasi projek, ST1 2016 - ST4 2021 (samb.)
Value of construction work done by location of project, Q1 2016 - Q4 2021 (cont'd)

RM juta / million

Negeri State	Tahun Year				
	2021	2020	2019	2018	2017
Johor	9,607	12,141	20,504	28,408	25,160
Kedah	2,867	3,072	2,763	2,734	2,747
Kelantan	1,608	1,602	1,237	1,054	1,707
Melaka	2,462	2,784	4,105	4,374	5,222
Negeri Sembilan	4,649	4,654	6,362	6,652	5,440
Pahang	4,871	3,473	4,130	5,714	7,951
Perak	3,991	4,251	5,832	5,392	3,814
Perlis	422	308	268	287	227
Pulau Pinang	7,505	5,666	6,545	6,575	6,397
Sabah	6,751	5,709	7,338	6,899	5,428
Sarawak	13,990	12,719	13,516	12,968	11,705
Selangor	27,827	31,098	36,753	31,965	31,511
Terengganu	3,411	3,285	3,315	3,093	3,306
Wilayah Persekutuan *	22,022	27,154	33,701	29,433	27,836
Malaysia	111,982	117,918	146,372	145,547	138,452

Nota/ Note : * termasuk / includes Wilayah Persekutuan Kuala Lumpur, Putrajaya dan Labuan

7 Nilai kerja pembinaan dan peratus sumbangan mengikut subsektor, ST1 2010 - ST4 2021

Value of construction work done and percentage share by subsector,
Q1 2010 - Q4 2021

Tahun / Suku tahun	Bangunan kediaman		Bangunan bukan kediaman		Kejuruteraan awam		Aktiviti pertukangan khas		Jumlah	
Year / Quarter	Residential buildings		Non-residential buildings		Civil engineering		Special trades activities		Total	
	RM juta/ million	(%)	RM juta/ million	(%)	RM juta/ million	(%)	RM juta/ million	(%)	RM juta/ million	(%)
2021	26,845	23.9	31,391	29.3	43,830	36.3	9,917	10.5	111,982	100.0
2020	29,609	25.1	31,127	26.4	49,878	42.3	7,305	6.2	117,918	100.0
2019	35,752	24.4	37,558	25.7	65,599	44.8	7,463	5.1	146,372	100.0
2018	36,592	25.1	41,201	28.3	60,593	41.6	7,162	4.9	145,547	100.0
2017	39,317	28.4	41,552	30.0	51,087	36.9	6,496	4.7	138,452	100.0
2016	37,807	29.8	39,762	31.3	43,318	34.2	5,950	4.7	126,838	100.0
2015	33,846	29.4	39,080	34.0	36,587	31.8	5,430	4.7	114,943	100.0
2014	30,516	29.8	34,314	33.5	32,689	31.9	5,026	4.9	102,546	100.0
2013	24,963	27.5	29,303	32.2	32,301	35.5	4,307	4.7	90,875	100.0
2012	20,868	25.9	27,482	34.1	28,204	35.0	4,113	5.1	80,667	100.0
2011	16,056	25.0	25,217	39.2	18,305	28.5	4,681	7.3	64,258	100.0
2010	12,308	20.2	27,091	44.6	15,743	25.9	5,649	9.3	60,792	100.0
Q4 / 2021	6,609	23.9	8,096	29.3	10,028	36.3	2,894	10.5	27,626	100.0
Q3 / 2021	5,772	23.3	6,734	27.2	10,089	40.7	2,181	8.8	24,776	100.0
Q2 / 2021	6,369	22.6	7,958	28.2	11,472	40.7	2,413	8.6	28,212	100.0
Q1 / 2021	8,095	25.8	8,604	27.4	12,241	39.0	2,429	7.7	31,369	100.0
Q4 / 2020	8,075	25.4	8,713	27.5	12,581	39.6	2,362	7.4	31,731	100.0
Q3 / 2020	7,689	24.5	7,517	24.0	14,358	45.8	1,803	5.7	31,367	100.0
Q2 / 2020	5,398	27.3	5,809	29.4	7,194	36.4	1,379	7.0	19,780	100.0
Q1 / 2020	8,448	24.1	9,087	25.9	15,745	44.9	1,761	5.0	35,040	100.0
Q4 / 2019	9,066	24.5	9,300	25.1	16,785	45.4	1,827	4.9	36,978	100.0
Q3 / 2019	8,735	24.2	8,945	24.8	16,622	46.1	1,775	4.9	36,077	100.0
Q2 / 2019	8,807	24.5	9,103	25.3	16,075	44.8	1,934	5.4	35,919	100.0
Q1 / 2019	9,144	24.5	10,210	27.3	16,117	43.1	1,927	5.2	37,398	100.0
Q4 / 2018	8,829	24.2	10,362	28.4	15,560	42.6	1,760	4.8	36,511	100.0
Q3 / 2018	8,981	24.7	10,118	27.9	15,463	42.6	1,726	4.8	36,287	100.0
Q2 / 2018	8,906	25.0	10,036	28.2	14,855	41.7	1,827	5.1	35,625	100.0
Q1 / 2018	9,876	26.6	10,685	28.8	14,715	39.6	1,848	5.0	37,124	100.0
Q4 / 2017	9,728	27.7	10,109	28.8	13,613	38.8	1,627	4.6	35,078	100.0
Q3 / 2017	9,729	28.2	10,080	29.2	13,142	38.1	1,544	4.5	34,495	100.0
Q2 / 2017	9,639	28.5	10,546	31.2	12,018	35.5	1,622	4.8	33,825	100.0
Q1 / 2017	10,220	29.2	10,817	30.9	12,314	35.1	1,702	4.9	35,053	100.0

7 Nilai kerja pembinaan dan peratus sumbangan mengikut subsektor, ST1 2010 - ST4 2021 (samb.)

Value of construction work done and percentage share by subsector,
Q1 2010 - Q4 2021 (cont'd)

Tahun / Suku tahun	Bangunan kediaman		Bangunan bukan kediaman		Kejuruteraan awam		Aktiviti pertukangan khas		Jumlah	
Year / Quarter	Residential buildings		Non-residential buildings		Civil engineering		Special trades activities		Total	
	RM juta/ million	(%)	RM juta/ million	(%)	RM juta/ million	(%)	RM juta/ million	(%)	RM juta/ million	(%)
Q4 / 2016	9,615	29.5	9,964	30.6	11,495	35.3	1,486	4.6	32,560	100.0
Q3 / 2016	9,579	30.0	9,801	30.7	11,133	34.9	1,397	4.4	31,910	100.0
Q2 / 2016	9,283	30.5	9,615	31.6	10,075	33.1	1,453	4.8	30,427	100.0
Q1 / 2016	9,331	29.2	10,382	32.5	10,615	33.2	1,613	5.1	31,941	100.0
Q4 / 2015	8,760	29.1	9,719	32.3	10,217	33.9	1,433	4.8	30,129	100.0
Q3 / 2015	8,227	28.5	9,937	34.5	9,330	32.4	1,340	4.6	28,834	100.0
Q2 / 2015	8,253	30.3	9,418	34.6	8,288	30.4	1,280	4.7	27,239	100.0
Q1 / 2015	8,606	29.9	10,006	34.8	8,753	30.5	1,376	4.8	28,741	100.0
Q4 / 2014	8,059	29.7	9,382	34.6	8,285	30.6	1,373	5.1	27,099	100.0
Q3 / 2014	7,598	30.0	8,724	34.5	7,838	31.0	1,141	4.5	25,301	100.0
Q2 / 2014	7,657	30.4	8,157	32.4	8,167	32.4	1,192	4.7	25,173	100.0
Q1 / 2014	7,202	28.8	8,052	32.2	8,399	33.6	1,320	5.3	24,973	100.0
Q4 / 2013	6,813	27.6	7,598	30.8	9,006	36.5	1,275	5.1	24,692	100.0
Q3 / 2013	6,253	27.4	7,869	34.4	7,667	33.6	1,062	4.6	22,852	100.0
Q2 / 2013	6,484	28.5	7,123	31.4	8,025	35.3	1,086	4.8	22,717	100.0
Q1 / 2013	5,413	26.3	6,714	32.6	7,603	36.9	884	4.3	20,613	100.0
Q4 / 2012	5,760	26.0	6,431	29.0	8,835	39.8	1,165	5.2	22,191	100.0
Q3 / 2012	5,061	24.8	7,158	35.1	7,201	35.3	982	4.8	20,401	100.0
Q2 / 2012	5,162	25.4	7,086	34.8	7,050	34.6	1,052	5.2	20,349	100.0
Q1 / 2012	4,885	27.6	6,807	38.4	5,119	28.9	915	5.2	17,726	100.0
Q4 / 2011	4,610	26.1	5,958	33.7	6,057	34.3	1,036	5.9	17,661	100.0
Q3 / 2011	4,180	26.1	6,166	38.5	4,355	27.2	1,335	8.3	16,037	100.0
Q2 / 2011	3,775	25.1	6,513	43.3	3,530	23.5	1,222	8.1	15,041	100.0
Q1 / 2011	3,491	22.5	6,578	42.4	4,363	28.1	1,087	7.0	15,519	100.0
Q4 / 2010	3,293	21.1	6,979	44.6	4,030	25.8	1,339	8.6	15,641	100.0
Q3 / 2010	3,215	21.6	6,609	44.4	3,576	24.0	1,489	10.0	14,889	100.0
Q2 / 2010	2,904	18.2	7,210	45.1	4,462	27.9	1,416	8.9	15,992	100.0
Q1 / 2010	2,896	20.3	6,293	44.1	3,675	25.8	1,406	9.8	14,270	100.0

8 Nilai kerja pembinaan mengikut subsektor dan pemilik projek, ST1 2014 - ST4 2021
Value of construction work done by subsector and project owner, Q1 2014 - Q4 2021

(RM '000)

Swasta / Private					
Tahun / Suku tahun	Bangunan kediaman	Bangunan bukan kediaman	Kejuruteraan awam	Aktiviti pertukangan khas	Jumlah
<i>Year / Quarter</i>	<i>Residential buildings</i>	<i>Non-residential buildings</i>	<i>Civil engineering</i>	<i>Special trades activities</i>	<i>Total</i>
2021	25,223,611	23,621,604	7,565,766	5,952,810	62,363,791
2020	27,257,676	23,808,127	9,855,189	4,194,338	65,115,331
2019	32,776,668	27,987,922	15,675,863	4,630,590	81,071,042
2018	34,395,461	29,414,362	14,956,340	4,300,702	83,066,865
2017	37,425,204	32,117,540	14,123,067	3,958,811	87,624,621
2016	34,258,536	30,528,115	12,420,766	3,721,740	80,929,157
2015	31,135,954	30,375,340	12,083,119	3,605,381	77,199,795
2014	28,295,662	27,334,288	12,865,253	3,976,153	72,471,356
Q4 / 2021	6,151,056	6,017,915	2,108,965	1,936,719	16,214,655
Q3 / 2021	5,432,445	5,026,870	1,863,174	1,341,621	13,664,110
Q2 / 2021	6,056,020	6,083,922	1,687,149	1,328,643	15,155,734
Q1 / 2021	7,584,090	6,492,896	1,906,478	1,345,827	17,329,292
Q4 / 2020	7,461,342	6,763,154	2,183,588	1,277,785	17,685,870
Q3 / 2020	7,059,475	5,661,533	2,111,255	1,073,816	15,906,080
Q2 / 2020	5,103,921	4,514,736	1,889,311	804,445	12,312,413
Q1 / 2020	7,632,938	6,868,704	3,671,034	1,038,292	19,210,968
Q4 / 2019	8,209,230	6,842,943	4,593,126	1,083,150	20,728,449
Q3 / 2019	8,081,681	6,834,103	3,589,122	1,084,866	19,589,772
Q2 / 2019	8,143,521	6,724,708	3,765,207	1,177,853	19,811,289
Q1 / 2019	8,342,235	7,586,168	3,728,409	1,284,720	20,941,532
Q4 / 2018	8,078,123	7,496,625	3,897,871	1,062,310	20,534,929
Q3 / 2018	8,484,981	6,814,917	3,533,179	1,005,868	19,838,945
Q2 / 2018	8,433,837	6,884,368	3,654,061	1,126,553	20,098,819
Q1 / 2018	9,398,519	8,218,453	3,871,229	1,105,971	22,594,172
Q4 / 2017	9,181,755	8,273,179	3,722,026	1,039,682	22,216,642
Q3 / 2017	9,324,836	7,910,488	3,413,101	932,529	21,580,952
Q2 / 2017	9,289,072	7,623,404	3,633,949	1,031,729	21,578,154
Q1 / 2017	9,629,542	8,310,469	3,353,991	954,871	22,248,873
Q4 / 2016	8,737,071	7,727,146	2,626,898	884,940	19,976,055
Q3 / 2016	8,627,431	7,549,412	2,541,556	882,956	19,601,355
Q2 / 2016	8,456,018	7,122,536	3,662,338	961,574	20,202,465
Q1 / 2016	8,438,016	8,129,021	3,589,973	992,270	21,149,282
Q4 / 2015	8,082,214	7,864,886	3,647,544	858,029	20,452,673
Q3 / 2015	7,493,921	7,401,424	3,017,869	932,341	18,845,556
Q2 / 2015	7,530,825	7,118,093	2,750,265	831,621	18,230,804
Q1 / 2015	8,028,994	7,990,937	2,667,441	983,390	19,670,761
Q4 / 2014	7,395,760	7,517,322	2,968,894	1,078,209	18,960,185
Q3 / 2014	7,035,691	6,975,130	2,819,932	885,737	17,716,489
Q2 / 2014	7,154,930	6,370,514	3,196,047	955,058	17,676,549
Q1 / 2014	6,709,282	6,471,322	3,880,379	1,057,150	18,118,133

8 Nilai kerja pembinaan mengikut subsektor dan pemilik projek, ST1 2014 - ST4 2021 (samb.)
Value of construction work done by subsector and project owner, Q1 2014 - Q4 2021 (cont'd)

(RM '000)

Kerajaan / Government					
Tahun / Suku tahun	Bangunan kediaman	Bangunan bukan kediaman	Kejuruteraan awam	Aktiviti pertukangan khas	Jumlah
<i>Year / Quarter</i>	<i>Residential buildings</i>	<i>Non-residential buildings</i>	<i>Civil engineering</i>	<i>Special trades activities</i>	<i>Total</i>
2021	1,026,594	6,089,973	17,178,529	1,999,719	26,294,815
2020	1,674,204	5,609,849	18,008,347	1,445,621	26,738,021
2019	1,905,410	7,282,771	18,819,695	1,537,006	29,544,882
2018	1,460,971	7,973,574	17,835,471	1,691,740	28,961,757
2017	1,107,951	5,363,373	14,353,002	1,745,396	22,569,722
2016	1,363,707	4,973,664	12,044,806	1,379,057	19,761,234
2015	1,281,675	5,633,989	9,655,192	1,007,929	17,578,785
2014	965,320	4,531,432	8,928,074	556,749	14,981,576
Q4 / 2021	288,922	1,590,388	4,324,145	535,024	6,738,479
Q3 / 2021	214,627	1,370,529	4,124,813	455,001	6,164,970
Q2 / 2021	211,823	1,446,267	3,895,331	506,456	6,059,877
Q1 / 2021	311,222	1,682,789	4,834,240	503,238	7,331,489
Q4 / 2020	457,922	1,500,859	4,276,151	454,358	6,689,289
Q3 / 2020	476,166	1,340,863	5,543,545	382,110	7,742,684
Q2 / 2020	230,431	1,008,815	2,882,373	242,730	4,364,349
Q1 / 2020	509,684	1,759,312	5,306,279	366,423	7,941,698
Q4 / 2019	544,098	1,751,735	4,785,406	407,153	7,488,392
Q3 / 2019	493,530	1,512,920	4,939,116	358,425	7,303,990
Q2 / 2019	469,054	1,928,580	4,135,376	371,950	6,904,960
Q1 / 2019	398,727	2,089,537	4,959,797	399,478	7,847,539
Q4 / 2018	389,247	1,987,269	4,425,212	399,964	7,201,693
Q3 / 2018	382,714	2,113,901	4,728,279	392,333	7,617,227
Q2 / 2018	366,630	2,217,222	4,451,877	373,912	7,409,640
Q1 / 2018	322,381	1,655,182	4,230,103	525,531	6,733,197
Q4 / 2017	334,420	1,184,130	3,697,597	419,489	5,635,635
Q3 / 2017	215,518	1,450,994	3,571,848	454,899	5,693,258
Q2 / 2017	219,375	1,332,245	3,562,098	399,859	5,513,577
Q1 / 2017	338,638	1,396,005	3,521,459	471,149	5,727,250
Q4 / 2016	307,684	1,101,438	3,482,925	415,193	5,307,239
Q3 / 2016	323,796	1,284,130	3,304,119	352,263	5,264,309
Q2 / 2016	392,328	1,257,892	2,610,342	288,650	4,549,212
Q1 / 2016	339,899	1,330,203	2,647,420	322,951	4,640,474
Q4 / 2015	376,073	1,213,173	2,474,460	365,505	4,429,211
Q3 / 2015	314,778	1,722,862	2,596,366	230,029	4,864,035
Q2 / 2015	322,298	1,320,726	2,291,943	202,924	4,137,891
Q1 / 2015	268,526	1,377,227	2,292,423	209,471	4,147,648
Q4 / 2014	273,724	1,190,793	2,184,432	163,158	3,812,107
Q3 / 2014	245,696	1,057,639	2,368,001	127,626	3,798,962
Q2 / 2014	193,570	1,160,078	2,351,413	118,237	3,823,298
Q1 / 2014	252,330	1,122,923	2,024,227	147,728	3,547,209

8 Nilai kerja pembinaan mengikut subsektor dan pemilik projek, ST1 2014 - ST4 2021 (samb.)
Value of construction work done by subsector and project owner, Q1 2014 - Q4 2021 (cont'd)

(RM '000)

Perbadanan awam / Public corporation					
Tahun / Suku tahun	Bangunan kediaman	Bangunan bukan kediaman	Kejuruteraan awam	Aktiviti pertukangan khas	Jumlah
<i>Year / Quarter</i>	<i>Residential buildings</i>	<i>Non-residential buildings</i>	<i>Civil engineering</i>	<i>Special trades activities</i>	<i>Total</i>
2021	594,735	1,679,279	19,085,281	1,964,458	23,323,753
2020	676,922	1,708,585	22,014,512	1,664,693	26,064,712
2019	1,069,810	2,286,832	31,103,733	1,295,417	35,755,792
2018	735,547	3,812,938	27,800,993	1,169,061	33,518,539
2017	783,893	4,070,747	22,610,774	791,750	28,257,163
2016	2,185,125	4,260,021	18,852,881	849,587	26,147,613
2015	1,428,608	3,070,405	14,849,093	816,337	20,164,443
2014	1,255,231	2,449,117	10,896,194	492,740	15,093,281
Q4 / 2021	168,584	487,595	3,594,639	421,904	4,672,722
Q3 / 2021	125,112	336,300	4,100,921	384,383	4,946,716
Q2 / 2021	101,419	427,384	5,889,272	577,974	6,996,049
Q1 / 2021	199,620	428,001	5,500,448	580,197	6,708,266
Q4 / 2020	155,688	449,389	6,121,021	629,590	7,355,687
Q3 / 2020	152,970	514,396	6,703,594	347,279	7,718,239
Q2 / 2020	63,328	285,420	2,422,591	331,961	3,103,300
Q1 / 2020	304,937	459,380	6,767,306	355,864	7,887,486
Q4 / 2019	312,846	705,062	7,406,958	336,753	8,761,619
Q3 / 2019	159,404	598,208	8,093,945	331,284	9,182,842
Q2 / 2019	194,381	449,409	8,174,405	384,694	9,202,889
Q1 / 2019	403,179	534,153	7,428,425	242,686	8,608,442
Q4 / 2018	361,562	878,225	7,236,436	298,204	8,774,428
Q3 / 2018	113,242	1,188,796	7,201,136	328,136	8,831,310
Q2 / 2018	105,701	934,862	6,749,370	326,307	8,116,240
Q1 / 2018	155,041	811,055	6,614,051	216,414	7,796,562
Q4 / 2017	212,020	651,924	6,193,512	168,222	7,225,679
Q3 / 2017	188,658	718,369	6,156,800	156,964	7,220,791
Q2 / 2017	130,925	1,589,864	4,822,051	190,512	6,733,353
Q1 / 2017	252,290	1,110,589	5,438,411	276,051	7,077,341
Q4 / 2016	570,055	1,135,329	5,384,689	186,201	7,276,273
Q3 / 2016	627,538	967,203	5,287,635	161,952	7,044,328
Q2 / 2016	434,526	1,235,002	3,802,819	203,250	5,675,596
Q1 / 2016	553,006	922,488	4,377,738	298,184	6,151,415
Q4 / 2015	301,433	641,042	4,094,796	209,784	5,247,055
Q3 / 2015	418,324	812,444	3,715,925	177,868	5,124,561
Q2 / 2015	400,207	979,076	3,245,533	245,627	4,870,443
Q1 / 2015	308,645	637,844	3,792,839	183,058	4,922,385
Q4 / 2014	389,763	673,817	3,131,757	131,781	4,327,118
Q3 / 2014	316,609	691,197	2,650,035	127,356	3,785,197
Q2 / 2014	308,645	625,997	2,619,554	118,773	3,672,969
Q1 / 2014	240,213	458,106	2,494,848	114,830	3,307,997

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NOTA TEKNIKAL

TECHNICAL NOTES



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- 1. Pendahuluan** Survei Pembinaan Suku Tahunan dijalankan dengan menggunakan pendekatan projek bermula daripada suku pertama 2006. Survei ini hanya meliputi kontraktor utama yang dianugerahkan dengan sesuatu projek. Nilai kerja pembinaan yang dilaporkan oleh kontraktor utama tersebut adalah jumlah keseluruhan nilai kerja yang dibuat tidak kira sama ada dilakukan oleh kontraktor utama atau sub-kontraktor. Memandangkan projek-projek hanya dianugerahkan kepada kontraktor utama, ia menyisihkan kemasukan sub-kontraktor dalam penyiasatan yang mungkin akan menimbulkan elemen pengiraan berganda dalam penyusunan data.
- 2. Objektif** Objektif utama Survei Pembinaan Suku Tahunan adalah untuk mengumpul dan menyusun data mengenai nilai kerja pembinaan untuk menerbitkan Statistik Pembinaan Suku Tahunan. Di samping itu, hasil penemuan survei digunakan dalam penyusunan Keluaran Dalam Negeri Kasar (KDNK) serta membantu kerajaan dalam perancangan ekonomi dan penggubalan dasar. Maklumat tersebut boleh juga digunakan oleh pihak swasta dan individu bagi tujuan membuat analisis ekonomi.
- 3. Kuasa perundangan** Survei ini dilaksanakan dibawah **Akta Perangkaan 1965 (Disemak 1989)**. Seksyen 5 di bawah akta ini menghendaki mana-mana pertubuhan yang beroperasi di Malaysia untuk memberikan maklumat sebenar atau anggaran terbaik kepada Jabatan. Mengikut akta ini, kandungan soal selidik adalah **sulit** dan hanya angka agregat diterbitkan.
- 4. Skop dan liputan** Survei Pembinaan Suku Tahunan melibatkan semua kontraktor utama yang menjalankan projek bernilai RM500,000 dan ke atas yang berdaftar dengan Lembaga Pembangunan Industri Pembinaan (LPIP). Liputan survei adalah terdiri daripada 72 industri pembinaan yang dikelaskan mengikut Piawaian Klasifikasi Industri Malaysia (MSIC) 2008 Ver.1.0. Aktiviti pembinaan yang berkaitan dengan penerokaan minyak dan gas tidak diliputi dalam survei ini. Senarai lengkap industri yang diliputi ditunjukkan di dalam Lampiran.
- 5. Kaedah pengumpulan** Survei ini dijalankan melalui soal selidik mel. Responden diberi tempoh dua minggu untuk melengkap dan mengembalikan soal selidik kepada Jabatan. Selepas tempoh tersebut, lawatan kerja luar akan dijalankan untuk mendapatkan respons daripada pertubuhan yang masih belum mengembalikan soal selidik berkenaan. Bagi kes yang belum respons selepas lawatan kerja luar, anggaran nilai kerja pembinaan menggunakan kaedah statistik yang bersesuaian akan dilakukan. Kadar respons semasa tamat penyiasatan adalah melebihi 90 peratus.
- 6. Kontraktor utama** Kontraktor utama adalah merujuk kepada orang, firma, dan lain-lain yang menerima tanggungjawab bagi menyiapkan keseluruhan sesuatu projek pembinaan. Satu kontrak dibuat dengan pemilik projek bagi kontraktor berkenaan menyiapkan sesuatu jenis kerja

binaan mengikut spesifikasi yang telah ditetapkan dalam perjanjian. Seseorang kontraktor utama boleh membuat keseluruhan kerja atau sub-kontrak keseluruhan atau sebahagian projek tersebut kepada satu atau lebih sub-kontraktor. Walau bagaimanapun, kontraktor utama adalah bertanggungjawab untuk memastikan semua kerja dibuat mengikut kepuasan pemilik projek.

- 7. Unit pelapor** Unit pelapor bagi survei ini ialah kontraktor utama. Unit ini melaporkan status kerja bagi setiap projek pembinaan yang sedang diusahakan.
- 8. Lokasi projek** Lokasi projek adalah merujuk kepada negeri di mana sesuatu projek pembinaan tersebut didirikan.
- 9. Nilai kerja pembinaan** Nilai kerja pembinaan yang dilakukan adalah termasuk pembinaan baru, pembaikan besar, pemulihan, pengubahsuaian dan pembaikan serta penyelenggaraan semasa yang dijalankan dalam tempoh rujukan untuk pemilik atau pelabur projek.
- 10. Jenis aktiviti pembinaan**

Kategori jenis pembinaan yang digunakan dalam penerbitan ini adalah mengikut MSIC 2008 Ver. 1.0 seperti berikut :-

Bangunan kediaman
(41001)

Bangunan bukan kediaman
(41002)

Kod 41003 dan 41009 dikelaskan di bawah bangunan kediaman atau bukan kediaman mengikut aktiviti yang dijalankan

Kejuruteraan awam
(42101 - 42106, 42109, 42201 - 42207, 42209, 42901 -42906, 42909)

Aktiviti pembinaan pertukangan khas (Pertukangan khas)
(43110, 43121 - 43126, 43129, 43211 - 43216, 43219, 43221 - 43229, 43291 - 43295, 43299, 43301 - 43307, 43309, 43901 - 43907, 43909)
- 11. Perbadanan awam** Perbadanan awam ditubuhkan di bawah undang-undang yang diluluskan oleh Akta Parlimen atau Dewan Undangan Negeri. Ia bertujuan untuk membolehkan kerajaan terlibat secara terus dalam bidang pembangunan sosio-ekonomi negara. Ia terdiri daripada badan-badan berkanun dan badan-badan tidak berkanun yang dapat bergerak dan mengendalikan program kerajaan dengan lebih bebas. Contoh perbadanan awam ialah Tenaga Nasional Berhad, Telekom Malaysia Berhad, Keretapi Tanah Melayu Berhad, dll.
- 12. Pembundaran** Jumlah bagi komponen-komponen mungkin berbeza daripada jumlah besar di jadual dalam penerbitan ini oleh kerana pembundaran angka.

13. Simbol dan huruf ringkas Simbol dan singkatan berikut telah digunakan dalam penerbitan:-

QoQ	Suku tahun ke suku tahun
YoY	Tahun ke tahun
-	Tiada
Bil.	Bilangan
RM	Ringgit Malaysia
ST	Suku Tahun
t.t.t.l.	Tidak terkelas di tempat lain
b	Bilion

- 1. Introduction** *The Quarterly Construction Survey is conducted based on project approach starting from the first quarter 2006. This survey covers only main contractors who are awarded with the projects. The value of work done reported by these main contractors is the value of work done irrespective of whether the main contractor or the sub-contractor did the work. Since projects are only awarded to the main contractors, it eliminates the inclusion of sub-contractors in the survey which may create an element of double counting in the compilation of data.*
- 2. Objective** *The main objective of the Quarterly Construction Survey is to collect and compile data on the value of construction work done to publish Quarterly Construction Statistics. Furthermore, the findings of the survey are used in the compilation of Gross Domestic Product (GDP) as well as assisting government in economic planning and policy formulation. The data can also be used by the private sector and individuals for economic analysis.*
- 3. Legal authority** *The survey was conducted under the provisions of the **Statistics Act, 1965 (Revised 1989)**. Section 5 of this Act requires all establishments operating in Malaysia to provide actual information or best estimates to the Department. The Act stipulates that the contents of individual returns are **confidential** and only aggregated figures are published.*
- 4. Scope and coverage** *The Quarterly Construction Survey covers all main contractors with value of projects worth RM500,000 and above registered with the Construction Industry Development Board (CIDB). The survey coverage consist of 72 construction industries classified according to the Malaysian Standard Industrial Classification (MSIC) 2008. Construction activities related to oil and gas explorations are not covered in this survey. A complete list of the industries covered are shown in the Appendix.*
- 5. Method of collection** *The survey is conducted using mail questionnaire. The respondents are given two weeks to complete and return the questionnaire to the Department. After the said period, field visits are conducted to obtain response from the establishments which have not returned the questionnaires. As for non-response, the value of construction work done will be estimated using an appropriate statistical method. The response rate at the close of the survey was above 90 per cent.*
- 6. Main contractor** *Main contractor is a person, firm, etc. that accepts responsibility for completing the entire construction job. A contract is entered into with the owner of the project for the contractor to complete a certain type of construction work according to the specifications laid down in the contract. A main contractor may do all or sub-contract the whole or part of the project to one or more sub-contractors. However, the main contractor is responsible to see the whole work is done to the satisfaction of the project owner.*

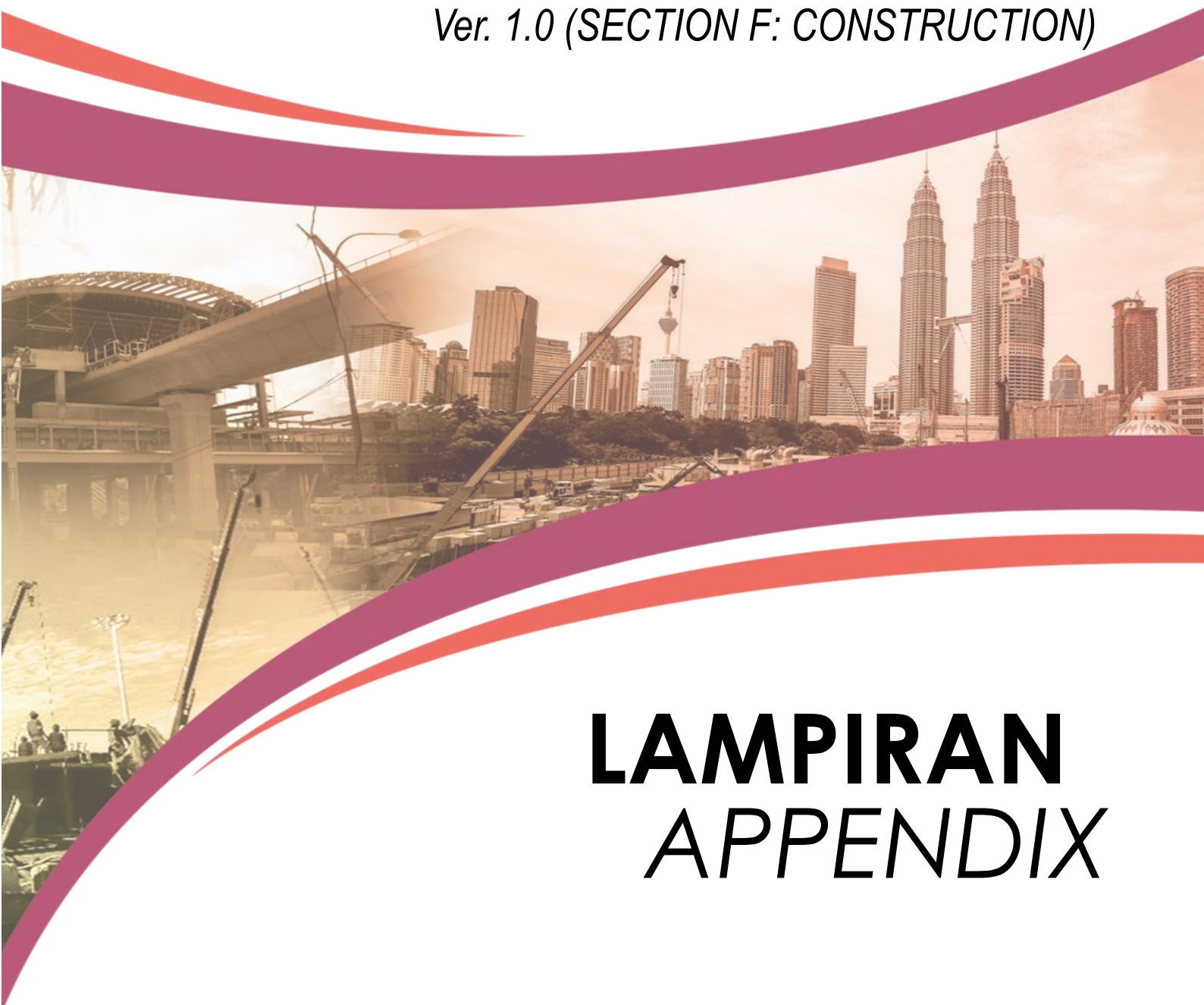
- 7. Reporting unit** *The reporting unit of this survey is the main contractor. This unit reports on the work status of each of its construction project.*
- 8. Location of project** *Location of project refers to the state where the project is being carried out.*
- 9. Value of construction work done** *The value of construction work done includes new construction, major repairs, repairs, renovations and repairs and current maintenance carried out during the reference period for the project owner or investor.*
- 10. Type of construction activity** *The type of construction category used in the publication follows the MSIC 2008 ver. 1.0 :-*
- Residential buildings
(41001)*
- Non-residential buildings
(41002)*
- Codes 41003 and 41009 are classified under the residential or non-residential buildings based on the types of activity carried out*
- Civil engineering
(42101-42106, 42109, 42201-42207, 42209, 42901-42906, 42909)*
- Specialized construction activities (Special trades)
(43110, 43121-43126, 43129, 43211-43216, 43219, 43221-43229, 43291-43295, 43299, 43301-43307, 43309, 43901-43907, 43909)*
- 11. Public corporation** *The public corporation is set up under the laws passed by the Parliament Act or the State Legislative Assembly. It enables the government to be involved directly in the socio-economic development of the country. It consists of statutory bodies and non-statutory bodies which can operate and manage the government programs more independently. Examples of public corporations are Tenaga Nasional Berhad, Telekom Malaysia Berhad, Keretapi Tanah Melayu Berhad, etc.*
- 12. Rounding** *The sum of components may not add up to the total in the tables presented in this publication due to rounding.*

13. Symbols and notations *The following symbols and notations were used in the publication:-*

<i>QoQ</i>	<i>Quarter on quarter</i>
<i>YoY</i>	<i>Year on year</i>
<i>-</i>	<i>Not available</i>
<i>No.</i>	<i>Number</i>
<i>RM</i>	<i>Ringgit Malaysia</i>
<i>Q</i>	<i>Quarter</i>
<i>n.e.c.</i>	<i>Not elsewhere classified</i>
<i>b</i>	<i>Billion</i>

PIAWAIAN KLASIFIKASI INDUSTRI MALAYSIA 2008
Ver. 1.0 (SEKSYEN F: PEMBINAAN)

MALAYSIA STANDARD INDUSTRIAL CLASSIFICATION 2008
Ver. 1.0 (SECTION F: CONSTRUCTION)



LAMPIRAN
APPENDIX

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PIAWAIAN KLASIFIKASI INDUSTRI MALAYSIA 2008 Ver. 1.0
(SEKSYEN F : PEMBINAAN)
MALAYSIA STANDARD INDUSTRIAL CLASSIFICATION 2008 Ver. 1.0
(SECTION F : CONSTRUCTION)

KOD INDUSTRI INDUSTRY CODE	PENERANGAN DESCRIPTION
	BANGUNAN KEDIAMAN / BANGUNAN BUKAN KEDIAMAN <i>RESIDENTIAL BUILDINGS / NON-RESIDENTIAL BUILDINGS</i>
4100	Pembinaan bangunan <i>Construction of buildings</i>
41001 :	Bangunan kediaman <i>Residential buildings</i>
41002 :	Bangunan bukan kediaman <i>Non-residential buildings</i>
41003 :	Pemasangan dan pendirian bangunan pasang siap di tapak pembinaan <i>Assembly and erection of prefabricated constructions on the site</i>
41009 :	Pembinaan bangunan t.t.t.l. <i>Construction of buildings n.e.c.</i>
	KEJURUTERAAN AWAM <i>CIVIL ENGINEERING</i>
4210	Pembinaan jalan raya dan landasan kereta api <i>Construction of roads and railways</i>
42101 :	Pembinaan laluan kenderaan bermotor, lorong, jalan, laluan pejalan kaki dan kenderaan lain <i>Construction of motorways, streets, roads, other vehicular and pedestrian ways</i>
42102 :	Kerja penurapan jalan, jalan raya, lebuh raya, jambatan atau terowong <i>Surface work on streets, roads, highways, bridges or tunnels</i>
42103 :	Pembinaan jambatan termasuk untuk lebuh raya bertingkat <i>Construction of bridges, including those for elevated highways</i>
42104 :	Pembinaan terowong <i>Construction of tunnels</i>
42105 :	Pembinaan landasan keretapi dan laluan bawah tanah <i>Construction of railways and subways</i>
42106 :	Pembinaan landasan lapangan terbang <i>Construction of airfield/airports runways</i>
42109 :	Pembinaan jalan raya dan landasan keretapi t.t.t.l. <i>Construction of roads and railways n.e.c.</i>
4220	Pembinaan projek utiliti <i>Construction of utility projects</i>
42201 :	Saluran paip jarak jauh, talian komunikasi dan kuasa <i>Long-distance pipelines, communication and power lines</i>

KOD INDUSTRI <i>INDUSTRY CODE</i>	PENERANGAN <i>DESCRIPTION</i>
42202 :	Saluran paip dalam bandar, talian komunikasi dan kuasa dalam bandar, kerja-kerja berkaitan dalam bandar <i>Urban pipelines, urban communication and power lines; ancillary urban works</i>
42203 :	Pembinaan punca dan saluran air <i>Water main and line construction</i>
42204 :	Loji takungan <i>Reservoirs</i>
42205 :	Pembinaan sistem pengairan (terusan) <i>Construction of irrigation systems (canals)</i>
42206 :	Pembinaan sistem pembetungan (termasuk pembaikan) dan loji pelupusan sisa kumbahan <i>Construction of sewer systems (including repair) and sewage disposal plants</i>
42207 :	Pembinaan janakuasa <i>Construction of power plants</i>
42209 :	Pembinaan projek utiliti t.t.t.l. <i>Construction of utility projects n.e.c</i>
4290	Pembinaan projek kejuruteraan awam lain, kecuali bangunan <i>Construction of other civil engineering projects, except buildings</i>
42901 :	Pembinaan loji penapisan <i>Construction of refineries</i>
42902 :	Pembinaan laluan air, kerja pelabuhan dan sungai, pleasure ports (marinas), kunci air <i>Construction of waterways, harbour and river works, pleasure ports (marinas), locks</i>
42903 :	Pembinaan empangan dan daik <i>Construction of dams and dykes</i>
42904 :	Penggalian laluan air <i>Dredging of waterways</i>
42905 :	Kemudahan sukan luar dewan <i>Outdoor sports facilities</i>
42906 :	Pembahagian tanah beserta dengan penambahbaikan tanah <i>Land subdivision with land improvement</i>
42909 :	Pembinaan projek kejuruteraan awam lain t.t.t.l. <i>Construction of other engineering projects n.e.c.</i>

KOD INDUSTRI INDUSTRY CODE	PENERANGAN DESCRIPTION
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PERTUKANGAN KHAS
SPECIAL TRADES

4311

Perobohan / Demolition

43110 : **Perobohan atau peranapan bangunan dan struktur lain**
Demolition or wrecking of buildings and other structures

4312

Penyediaan tapak
Sites preparation

43121 : **Pembersihan tapak bangunan**
Clearing of building sites

43122 : **Pengalihan tanah**
Earth moving

43123 : **Pengujian tanah, pengerudian dan penggalian tanah untuk tujuan pembinaan, geofizikal,geologikal atau tujuan seumpamanya**
Drilling, boring and core sampling for construction, geophysical, geological or similar purposes

43124 : **Penyediaan tapak bagi perlombongan**
Site preparation for mining

43125 : **Perparitan bagi tanah pertanian atau perhutanan**
Drainage of agricultural or forestry land

43126 : **Kerja penebusgunaan tanah**
Land reclamation work

43129 : **Aktiviti penyediaan tapak lain t.t.t.l.**
Other site preparation activities n.e.c.

4321

Pemasangan elektrik
Electrical installation

43211 : **Pendawaian dan pemasangan elektrik**
Electrical wiring and fittings

43212 : **Pendawaian telekomunikasi**
Telecommunications wiring

43213 : **Pendawaian rangkaian komputer dan kabel televisyen**
Computer network and cable television wiring

43214 : **Piring satelit**
Satellite dishes

43215 : **Sistem pencahayaan**
Lighting systems

KOD INDUSTRI <i>INDUSTRY CODE</i>	PENERANGAN <i>DESCRIPTION</i>
43216 :	Sistem keselamatan <i>Security systems</i>
43219 :	Pemasangan elektrik t.t.t.l. <i>Electrical installation n.e.c.</i>
4322	Pemasangan sistem paip, pemanasan dan pendinginan udara <i>Plumbing, heat and air-conditioning installation</i>
43221 :	Pemasangan sistem pemanasan (elektrik, gas dan minyak) <i>Installation of heating systems (electric, gas and oil)</i>
43222 :	Pemasangan relau, menara pendinginan <i>Installation of furnaces, cooling towers</i>
43223 :	Pemasangan pengumpul tenaga solar bukan elektrik <i>Installation of non-electric solar energy collectors</i>
43224 :	Pemasangan sistem paip dan peralatan sanitasi <i>Installation of plumbing and sanitary equipment</i>
43225 :	Pemasangan peralatan dan saluran pengudaraan, penyejukan atau pendinginan udara <i>Installation of ventilation, refrigeration or air-conditioning equipment and ducts</i>
43226 :	Pemasangan kelengkapan gas <i>Installation of gas fittings</i>
43227 :	Pemasangan sistem perenjis air untuk kebakaran dan padang <i>Installation of fire and lawn sprinkler systems</i>
43228 :	Pemasangan paip untuk wap <i>Steam piping</i>
43229 :	Pemasangan sistem paip, pemanasan dan pendinginan udara t.t.t.l. <i>Plumbing, heat and air-conditioning installation n.e.c.</i>
4329	Pemasangan pembinaan lain <i>Other construction installation</i>
43291 :	Pemasangan lif, eskalator dalam bangunan atau projek pembinaan lain <i>Installation of elevators, escalators in buildings or other construction projects</i>
43292 :	Pemasangan pintu automatik dan berputar dalam bangunan atau projek pembinaan lain <i>Installation of automated and revolving doors in buildings or other construction projects</i>
43293 :	Pemasangan konduktor kilat dalam bangunan atau projek pembinaan lain <i>Installation of lighting conductors in buildings or other construction projects</i>

KOD INDUSTRI INDUSTRY CODE	PENERANGAN DESCRIPTION
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|-------------|---|
| 43294 : | Pemasangan sistem pembersihan vakum dalam bangunan atau projek pembinaan lain
<i>Installation vacuum cleaning systems in buildings or other construction projects</i> |
| 43295 : | Pemasangan sistem penebatan haba, bunyi atau gegaran dalam bangunan atau projek pembinaan lain
<i>Installation thermal, sound or vibration insulation in buildings or other construction projects</i> |
| 43299 : | Pemasangan pembinaan lain t.t.t.l.
<i>Other construction installation n.e.c.</i> |
| 4330 | Penyiapan dan kemasan bangunan
<i>Building completion and finishing</i> |
| 43301 : | Pemasangan rangka pintu, tingkap, rangka/bingkai pintu dan tingkap daripada kayu atau bahan lain, dapur pasang siap, tangga, kelengkapan kedai dan perabot
<i>Installation of doors, windows, door and window frames of wood or other materials, fitted kitchens, staircases, shop fittings and furniture</i> |
| 43302 : | Melapis, memasang jubin, menggantung atau memasang kelengkapan bangunan atau projek pembinaan lain daripada pelbagai bahan
<i>Laying, tiling, hanging or fitting in buildings or other construction projects of various types of materials</i> |
| 43303 : | Mengecat dalam dan luar bangunan
<i>Interior and exterior painting of buildings</i> |
| 43304 : | Mengecat struktur kejuruteraan awam
<i>Painting of civil engineering structures</i> |
| 43305 : | Pemasangan kaca, cermin
<i>Installation of glass, mirrors</i> |
| 43306 : | Penyiapan dalaman bangunan
<i>Interior completion</i> |
| 43307 : | Pembersihan bangunan baru selepas kerja pembinaan
<i>Cleaning of new buildings after construction</i> |
| 43309 : | Penyiapan dan kemasan bangunan lain t.t.t.l.
<i>Other building completion and finishing work n.e.c.</i> |

KOD INDUSTRI <i>INDUSTRY CODE</i>	PENERANGAN <i>DESCRIPTION</i>
4390	Aktiviti pembinaan pertukangan khas lain <i>Other specialized construction activities</i>
43901 :	Pembinaan tapak, termasuk memantak cerucuk <i>Construction of foundations, including pile driving</i>
43902 :	Pembinaan elemen keluli yang bukan dibuat sendiri <i>Erection of non-self-manufactured steel elements</i>
43903 :	Memasang dan membuka semula perancah dan platform kerja <i>Scaffolds and work platform erecting and dismantling</i>
43904 :	Kerja mengikat dan menyusun bata <i>Bricklaying and stone setting</i>
43905 :	Pembinaan kolam renang luar bangunan <i>Construction of outdoor swimming pools</i>
43906 :	Pembersihan menggunakan stim, pancutan air deras berpasir dan aktiviti seumpamanya untuk luar bangunan <i>Steam cleaning, sand blasting and similar activities for building exteriors</i>
43907 :	Penyewaan jentera dan peralatan pembinaan dengan operator (cth. kren) <i>Renting of construction machinery and equipment with operator (e.g. cranes)</i>
43909 :	Aktiviti pembinaan pertukangan khas lain t.t.t.l. <i>Other specialised construction activities, n.e.c.</i>

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