

Training Course under the Statistical Capacity Building (StatCab) Programme for the Constituents of the National Statistical Systems of OIC Member Countries

GENERAL BUREAU OF STATISTICS (ABS) OF SURINAME

LABOUR PRODUCTIVITY **Session 1: Concept, Definition and Data Sources**

Rabi'atul'adawiah Shabli 13 - 15 September 2021 Malaysian Bureau of Labour Statistics (MBLS), Department of Statistics, Malaysia (DOSM)





20 OCT



2016 - 2030











Concept, Definition and Data Sources







www.dosm.gov.my





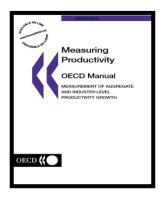
www.mycensus.gov.my





Concepts of labour productivity





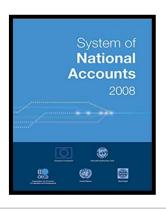


Organisation for Economic Co-operation and Development (OECD)

Productivity is commonly defined as a ratio between the output volume and the volume of inputs. In other words, it measures how efficiently production inputs, such as labour and capital, are being used in an economy to produce a given level of output.

International **Labour Organization** (ILO)

Labour productivity is an important economic indicator that is closely linked to economic growth, competitiveness, and living standards. Labour productivity represents the total volume of output (measured in terms of GDP) produced per unit of labour (measured in terms of the number of employed persons) during a given time reference period.



System of National Accounts 2008 (United Nations)

Volumes of output per hour worked (or per person employed) are described as measures of labour productivity.

Source: OECD. ILO and UN







Concepts of labour productivity





What is labour productivity?

Labour productivity can be defined as a measure of economic efficiency which shows how effectively economic inputs are converted into output.

It is the ability to produce more with the same less input, are a significant source of increased potential national income. The economy are able to produce more goods and services over time by making production more efficient.



How to measure labour productivity?

Labour productivity refers to the efficiency and effectiveness of each employee to generate value added or overall output.

It is calculated by using the ratio of value added to the total hours worked or employment by sector in Malaysia.

by various It can be measured methods depending on the requirements and availability of data.



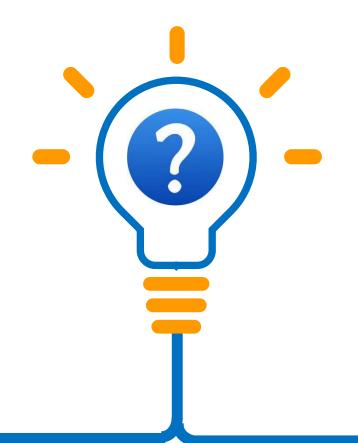


Why is labour productivity important?





- to drive economic growth and provide the basis for sustained economic growth
- create new economic opportunities



ensure continued wellbeing and prosperity of the people

shift from labour intensive to knowledge and innovation based economic activities

unleash innovation to generate new sources of revenue







Policy monitoring by government



ELEVENTH MALAYSIA PLAN, 2016-2020

Productivity and innovation will be important pillars of the Eleventh Malaysian Plan.



Labour productivity per employment by economic activity

	Revised Target							
Sector	Value added per employment (RM)	Average Annual Growth Rate (%)						
Agriculture	54,330	0.2						
Mining and Quarrying	1,212,690	4.2						
Manufacturing	123,970	3.9						
Construction	44,020	4.3						
Services	80,740	3.9						
Overall	88,450	3.2						

Source: Mid-term Review of Eleventh Malaysia Plan, 2016-2020









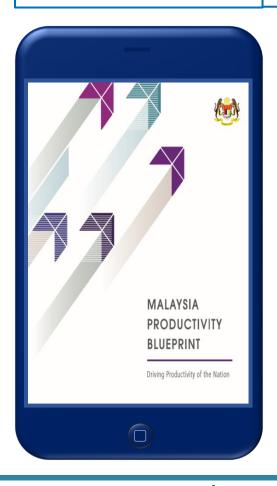
Policy monitoring by government



MALAYSIA PRODUCTIVITY BLUEPRINT

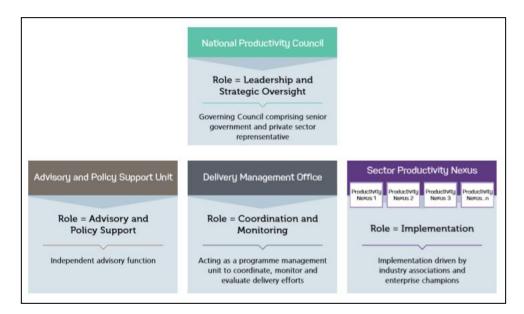
Unlocking the potential of productivity to propel economic growth

Productivity is a game changer in the Eleventh Malaysia Plan, 2016-2020 to propel Malaysia to become an advanced economy and inclusive nation.



"Economic growth during the Eleventh Malaysia Plan, 2016-2020, must be driven by more sustainable sources of growth, particularly improvements productivity. Targetted initiatives will be introduced at the national. sector and enterprise levels to ensure tangible and measurable productivity. improvements in Specific productivity targets will be set and the outcomes will be closely monitored."

Comprehensive, transparent and coordinated efforts via institutionalised governance mechanism



Source: Malaysia Productivity Blueprint







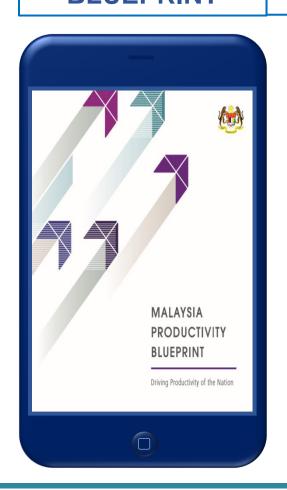


Policy monitoring by government



MALAYSIA PRODUCTIVITY BLUEPRINT

Sector Productivity Nexus will play a key role in supporting enterprises on the ground, simultaneously improving the visibility of the implementation progress





Agro-Food

Chemicals and Chemical Products

Machinery and Equipment

Electrical and Electronics

Retail and Food & Beverage

Tourism

Communication & Technology

Professional Services

Private Healthcare

Source: Malaysia Productivity Blueprint









Manual and references



The estimation of labour productivity are based on the recommendations from manual and references as listed below:

1	System of National Accounts (SNA) 2008
2	United Nations and The Organisation for Economic Co-operation and Development (OECD) Manual: Measuring Productivity
3	International Conference of Labour Statistician (ICLS)
4	Malaysian Standard Classification of Occupation (MASCO) 2020
5	Malaysian Standard Industrial of Classification (MSIC) 2008
6	Manual on Concepts and Methods - Survey of Economically Active Population, Employment, Unemployment, and Underemployment, ILO
7	Key Indicators of The Labour Market (KILM) 9th Edition 2015, ILO
8	Measuring Informality - A Statistical Manual on The Informal Sector and Informal Employment, ILO





Measurements of labour productivity



Productivity is defined as the ratio of output (goods and services) to inputs (labour, hours worked and capital), measuring how efficiently inputs are used to produce output.

Productivity can be measured by Single Factor Productivity and Multifactor **Productivity**

> The choice between them depends on the purpose of productivity measurement and the availability of data.

Single Factor Productivity (SFP)

> SFP is a synonym for partial productivity measure. It relates output to one particular type of input.

Multifactor Productivity (MFP)

> MFP reflects the overall efficiency with which labour and capital inputs are used together in the production process.







Single factor productivity (SPF)



Labour productivity (LP) can be measured by 3 approaches.

It measures how efficiently labour input is used in the production process.

Labour Productivity

Output **Labour Input**

Output

Real value added

Labour input

Employment/ total hours worked/ jobs



How productive labour is used to generate output



If productivity rises, it takes fewer hours of work for the economy to produce the same amount of output.



How much output produced based on the number of jobs





Commonly used measurement



Labour productivity per hour worked

is the most commonly used in measuring labour productivity



How productive labour is used to generate output











Provide a better picture of labour productivity developments in the economy, as it eliminates differences in the full time/part time composition of the workers.





Labour productivity measurement

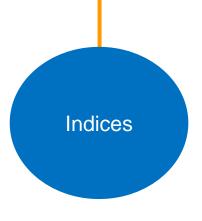


Measurement Unit

With the labour productivity level, we can measured the time series data over time by calculating the percentage change and indices.

Percentage change

Measuring percentage change in terms of year-on-year growth or quarter-on-quarter growth



Measuring percentage change from a base period





How to calculate percentage change?



Example: YOY annual percentage change

$$YOY(Q_n) = \left(\frac{Q_n}{Q_{n-1}} - 1\right) \times 100$$

where:

YOY (Qn)YOY

annual percentage change

Qn

level of quarter year n (current year)

Qn-1

level of quarter year n - 1 (previous year)

- With the level of labour productivity which has been calculated, the analysis of labour productivity is normally be measured by changes over time.
- As an example, year-on-year (YOY) annual percentage change may indicate how much labour productivity has changed over time from one reference quarter to another reference quarter.
- YOY annual percentage change can be calculated by dividing current level of labour productivity of corresponding quarter to the corresponding quarter of the previous year which is stated in the unit of currency per hour.





Components of labour productivity



There are six variables of labour productivity







Data sources





Main data sources of the statistics produced by **Department of Statistics Malaysia**



Gross **Domestic Product**



Labour Force **Statistics**



Economic Census





Annual Economic Statistics



Quarterly Services **Statistics**



Informal Sector Workforce **Statistics**



Quarterly **Employment Statistics**

Administrative Data:

- **Employment Statistics** in Financial Activity by Central Bank of Malaysia
- **Public Servant** Statistics by Public Service Departments
- Foreign Workers by Ministry of Home Affairs

Statistics

Manufacturing

Monthly



Questionnaire: Labour Force Survey



			STB / G&U / SI
1	Sulit selepas data diisi		Confidential when filled with data
ang d ledark	ak 1969), kendungan acal selidik tarima adalah gujum dan tidak bolah	JABATAN PERANGKAAN MALAYSIA DEPARTMENT OF STATISTICS, ANILAYSIA	Under the provisions of the Statistics Act 1965 (Revised 1969), the contents of the spestionnaire received are CONFIDENTIAL and sell of the string disappet to any person or institution outside the Department.
1		IRUH / GAJI & UPAH / SEK RIES & WAGES / INFORMA	
		PENGENALAN I INTRODUCTIO	N
(11)	2021. Tujuan utama lalah untuk n	eleksenakan Survei Tenaga Buruh / Gaj nengumpul maklumat bagi analisis sta yala is conducting the Labour Force / Sal	tiatik.
		to collect information for statistical analy	
(2)	for year 2021. The main objective is Maklumat yang dikumpul mengik di bewah Akta ini mengkahendak atau anggaran terbalik kepeda J SULIT dan tidak boleh dihebahku	s to collect information for statistical analy out penuntukan di bawah Akta Penungka di mana-mana mapondan di Malaysia u labatan. Mengikut Akta ini, kandunga an kapada sesiapa atau mana-mana ini	eris. ser, 1965 (Disemak - 1989). Seksyen 5 ntuk memberikan maktumat sebeniar n soal salidik yang ditarina adalah sittusi di luar Jebatan ini. Semantara
(2)	for year 2021. The main objective is Maklumat yang dikumpul mengik di bawah Akta ini mengkahandal satau anggaran terbalik kapada SULIT dan tidak bolah dihebahik itu, Sekayun 7 di bawah Akta yan kerjasarna kepada penyiasatan ya The information isi pathared under negaraw engordent in Maklaysia tri.	to collect information for statistical analy ut penurtuhan di bawah Akta Perungkian in anan-mara responden di Malaysia usa labatan. Mengikut Akta ini, kandungan in kepada sosiapa atau mana-mara ini na param mempenuntuhkan denda kepada ang dijalankan. Inip provisions of the Slatistics Act, 1966 provisia actai information or best assimula	nisi. 1965 (Disemak - 1989), Seksyen 5 rindik memberikan maklumat sebenar in soal selidik yang ditarima adalah sitiksal di kua jabatan ini. Sementara a responden yang gagal memberikan (Mavase - 1989), Section 5 of the Act
(2)	for year 2021. The main objective is Makhimat yang dikurnyui mengikah di benelh Akta ini mengkahandah atau anggaran terbalik supada. J SULIT dan tidak bolah dishebahia ini, Saksyan T di bawah Akta yan kerjasarna kepada penyiasatan yi The information in pathared under neguran rasportient in Makayais in hat the conductor of the individual hat the conductor of the individual.	to collect information for statistical analy ut peruntuhan di bawash Akta Perungkah in mena-mana responden di Mallyat in hara-mana responden di Mallyat ha kapada wasiapa atau mana-mana na kapada wasiapa atau mana-mana na saran mempenuntuhkan danda kapada nan diplatankan hara patama saran dan dan dan haran diplatankan haran saran dan dan dan dan dan haran dan dan dan dan dan dan dan saran dan dan dan dan dan dan dan dan saran dan dan dan dan dan dan dan dan saran dan dan dan dan dan dan dan dan dan saran dan dan dan dan dan dan dan dan dan d	citi. w., 1995 (Disemak - 1999), Seksyen S srinki memberikan maklumat sebenar n soal salelik yeng idanima adalah sitibad di kara Jahafata ini. Sementerar a responden yang gagai memberikan (Resumat - 1989), Section 5 of bris Act si to the Department. The Act alputates of division of confusion of the property present or statisticism of division of the property present or statisticism.
	for year 2021. The main objective is a distinct yang dikumpul mengili di bawah Akta ini mengkahandak atau anggaran terhalik kepada atau anggaran terhalik kepada atau anggaran terhalik kepada SULIT dan tidak bolah dihakah kila. Sekayam 7 di bawah Akta yang kerjasanan kepada penyisasatan yi The information is gathered under requirer responderin Melayahan di terhali file conference di Melayahan di Kelayahan	to collect information for statistical analy ut peruntuhan di bawash Akta Perungkah in mena-mana responden di Mallyat in hara-mana responden di Mallyat ha kapada wasiapa atau mana-mana na kapada wasiapa atau mana-mana na saran mempenuntuhkan danda kapada nan diplatankan hara patama saran dan dan dan haran diplatankan haran saran dan dan dan dan dan haran dan dan dan dan dan dan dan saran dan dan dan dan dan dan dan dan saran dan dan dan dan dan dan dan dan saran dan dan dan dan dan dan dan dan dan saran dan dan dan dan dan dan dan dan dan d	reis. 1965 (Disemak - 1989), Seksyen 5 nick remberikan maklumat sebenar in soal salidik yang ditarima adalah sitikusi di kua jabatan ini. Sementara a responden yang gagal memberikan in nesponden yang gagal memberikan se is trihe Department. The Act alipulatus be divulped to any person or institution the persetty to the respondent that could the persetty to the respondent that could be desired.
(2)	for year 2021. The main objective is Makhimat yang dikumpul mengili di bawah Akta ini mengkahandak atau anggaran terhalik kapada u SULIT dan tidak bolah dihakah kala ising asama terhalik kapada SULIT dan tidak bolah dihakah kala yang kepisaran kapada penyiawatan yi The information is pathered under requirer responder in Makipa dan diselektiva di bara dan dan dan dan dan dan dan dan dan da	to collect information for statistical analy ut peruntuhan di bawah Akta Perungkah in mena-man rapponden di Malya labatan. Mengikut Akta Mi, kandungapa labatan. Mengikut Akta Mi, kandungapa na kapada wasipa atau mana-mang gaarna mempenntukkan danda kapada ang diplankan. The provisions of the Sitestatic Act, 1260 telepantan sand sandara sandara and collection of the sandara sandara and collection of the sandara sandara perungkah sandara sandara perungkah sandara perungkah sandara perung	reis. 1965 (Disemak - 1989), Seksyen 5 nick remberikan maklumat sebenar in soal salidik yang ditarima adalah situsai di uara babatan ini. Sementara a responden yang gagai mamberikan in nick reise of the soal o
	for year 2021. The main objective is Makliumat yang dikumpul mengigi di bawah Akta ini mengkahandak atau anggaran terbalik kepada i SULIT dan tidah bolah dibakahandak atau anggaran terbalik kepada i SULIT dan tidah bolah dibakahali itu, Sakayem 7 di bawah Akta yan Kepisawana kepada penyiawatan yi The information isi gahanda dalapada tropital dan dibakahali itu dan dan dibakahali itu dan dan dibakahali itu dan dibakahali itu dan dan dibakahali itu	to collect information for statistical analy ut peruntuhan di bawah Akta Perungkah in mena-man rapponden di Malya labatan. Mengikut Akta Mi, kandungapa labatan. Mengikut Akta Mi, kandungapa na kapada wasipa atau mana-mang gaarna mempenntukkan danda kapada ang diplankan. The provisions of the Sitestatic Act, 1260 telepantan sand sandara sandara and collection of the sandara sandara and collection of the sandara sandara perungkah sandara sandara perungkah sandara perungkah sandara perung	rota. sen, 1965 (Disemak - 1969), Sekayen S rinuk memberikan maklumat sebenar n toda saletik yang diserima adalah stitusi di kua pidabata ini. Sementara a rasponden yang gagai memberikan. (Revised - 1969), Section S of this Act to the Department. The Act appulates to divulped in any person or restriction the pensity to the rasponsites that could the pensity to the rasponsites that could kumpul dalam soal selidik ini adalah saltonnaire is accurate.
(2)	for year 2021. The main objective is Makliumat yang dikumpul mengigi di bawah Akta ini mengkahandak atau anggaran terbalik kepada i SULIT dan tidah bolah dibakahandak atau anggaran terbalik kepada i SULIT dan tidah bolah dibakahali itu, Sakayem 7 di bawah Akta yan Kepisawana kepada penyiawatan yi The information isi gahanda dalapada tropital dan dibakahali itu dan dan dibakahali itu dan dan dibakahali itu dan dibakahali itu dan dan dibakahali itu	is collect information for statistical analy ut penutrulan di bawah Akta Perangja di mana-mana, responden di Mallaysia ushatan. Mengikut Akta isi, kandunga in kapada wasipa atau mana-mang in kapada wasipa atau mana-mang di inang dijalankan. In provincia da salah di inang dijalankan. In provincia da salah di salah di salah di salah di salah di salah di salah di salah di salah di salah di salah di dialah manadah di gi biat the information collected in the que ana sorval ini amat dibangsi.	rota. sen, 1965 (Disemak - 1969), Sekayen S rinuk memberikan maklumat sebenar n toda saletik yang diserima adalah stitusi di kua pidabata ini. Sementara a rasponden yang gagai memberikan. (Revised - 1969), Section S of this Act to the Department. The Act appulates to divulped in any person or restriction the pensity to the rasponsites that could the pensity to the rasponsites that could kumpul dalam soal selidik ini adalah saltonnaire is accurate.
(2)	for year 2021. The main objective is Makliumat yang dikumpul mengigi di bawah Akta ini mengkahandak atau anggaran terbalik kepada i SULIT dan tidah bolah dibakahandak atau anggaran terbalik kepada i SULIT dan tidah bolah dibakahali itu, Sakayem 7 di bawah Akta yan Kepisawana kepada penyiawatan yi The information isi gahanda dalapada tropital dan dibakahali itu dan dan dibakahali itu dan dan dibakahali itu dan dibakahali itu dan dan dibakahali itu	is to collect information for statistical analy us peruntuhan di bawah Akta Peranglia di mana-mana responden di Milaligalia u lahatan. Mengikut Akta isi, kandunga ulahatan. Mengikut Akta isi, kandunga ng qalarakan. Ing palama manana in ga yarra mangeruntukkan danda isipada ga qarra mangeruntukkan danda sipada pang qilalarikan. Ing Salatistica Akt. 1966 provide actual information of basif salama salama are CORPIDENTIFAL and salama salama are CORPIDENTIFAL and salama salama mamastikan makhumat yating di gilast the information collected in this que can souvei ini smat difinangal. Lectess of fino survey is very insch appre-	rota. sen, 1965 (Disemak - 1969), Sekayen S rinuk memberikan maklumat sebenar n toda saletik yang diserima adalah stitusi di kua pidabata ini. Sementara a rasponden yang gagai mamberikan. (Revised - 1969), Section S of this Act to the Department. The Act appulates to divulped in any person or restitution the pensity to the rasponited that could the pensity to the rasponited that could kumpul dalam soal selidik ini adalah saltonnaire is accurate.

INDE	NTIFICATION OF EMPLOYED HOUSEHOLD MEMBERS	OFFICE USE
S1	Did you work at least ONE HOUR during the (Reference Week) for pay or profit or for family gains? (Include own account work). Work include:	
	 i) Online sales activities such as selling clothes, accessories, cup cakes, etc. ii) Assist family members to operate their enterprises/ businesses iii) Activities carried out at home (home-based) such as folding boxes, shelling of prawns, sending school children and sewing beads 	\$1
	Yes 1 Proceed to S3 and onwards No 2	
S2	Although you did not work during the reference week, do you have any employment, work on farm, enterprise or other family enterprise to return to? Yes 1 Proceed to S6 and onwards No 2 Proceed to S9 and onwards	\$2
\$3	How many hours did you work during the reference week (including extra work, secondary occupation, third occupation and others)? Hour If 30 hours or more, proceed to S7	\$3
S4	What was the reason for working less than 30 hours during the reference week? Insufficient work: In the nature of the job: Retired: Old age: Housework/ family/ community responsibilities: On leave: Illness/ injury: Weather condition:	\$4



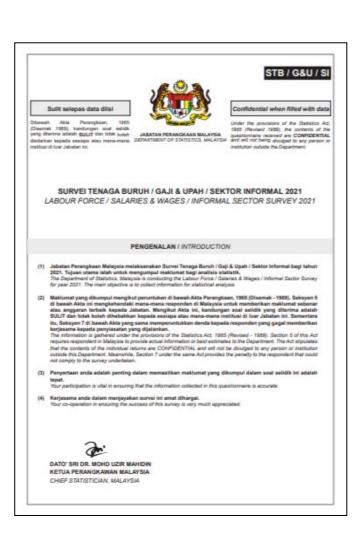






Questionnaire: Labour Force Survey (cont'd)





LAB	OUR FORCE PARTICULARS (ONLY FOR THE MEMBER	AGED	15 YEARS AND OVER) JR 4	LFS-3/3			
	PRINCIPAL C	CCUF	PATION				
S18	Occupation i) What is your principal occupation?	S21	Is the establishment or the organisation you are working at registered with the Companies Commission of Malaysia (CCM), Local Authorities (LA) or other related authorities? Yes No	1			
	ii) Describe your duties/ nature of your occupation?		In the process of registration	3 🔲			
		S22	Do you have a written contract or oral agreement wi employer?	th your			
S19	Industry i) What is the name of your establishment or the		Yes. Written contract Yes. Oral agreement No	1			
	establishment which you are employed? (If any)	S23	Where is your place of work?				
	Telephone:		At your home (no special work space) Work space inside or attached to your home Factory, office, workshop, shop, kiosk, etc. (independent from home) Home or workplace of client (except construction) Employer's home				
	iii) Specify the address of the establishment or where is your usual state/ country of work place? a) State code		Construction site Market or bazaar stall Street stall (separate from the dwelling) Market/ Bazaar/ Stall (festival season only) No fixed location (mobile) Plantation, farms, estates, shades, sea etc. (agricultural related)	06			
	b) Country code		Fig. 1.				
S20	Status in employment. Were you a/ an? Employer 1 Unpaid Family Worker 5 Government Employee 2 Paid Apprentice or Trainee 6 Private Employee 3 Others (Specify):	\$24	Do you work in a Full time Part time	1			







Questionnaire: Quarterly Employment Survey



	4			Sulit selepas diisi nbal when filled with data
	JABATAN PERA DEPARTMENT OF I GUNA TENAGA/G ERLY EMPLOYMENT	AJI & UPAH S	YSIA SUKU TA	
	SUKU PERTAMA/	FIRST QUARTER	R 2021	
Islaton/ Pho	ne. 03-8571 0211/0219/0220 b-meV S-meit e	(obedmin@stats.gov.my Lam	en Webl Webste: on	reidoam.gov.my
Nombor am (NEWSSID), name Seriel number (NEWSSID), name	ns gerfolutien den slemet poz. of esteblishment and goalel eddresz.	Nomber Pendath Registration for	eren Syanketi Pems mber of Companyl 2	eggen (23M) after lemilen Lehezz (CCM) er ehterz 0007
Sile catation nombor an, name den alems Please siele the seriel number, name and a	t sywrikat ande dalam semus sund-menyund. ddraz o'i your company in all comagondence.	Begi webereng pertanyaan, For engulesi, glease contact: No. Int./ Tel. No. : No. Int./ Fer No. : b-mai/ 5-mai/ :	arle hubungs	
		Emel/ Emel/		
Jabatan Perangkaan Malay Tujuan utama survei ini lai pembangunan sumber mai The Department of Slassosto SURVEY. The main objectio obevolpment policies and pil. Maskumat dikumpul meng mengkehendaki mana-ma terbak kepada Jabatan. yang sama memperulut The information is gathered operating in Malaysia to pro-	, Malaysia has been given the respo- ie of this survey is to collect inform inning. Ilkut peruntukan di bawah Akta na pertubuhan yang beroperasi Mengikut Akta Ini, kandungan i sesiapa atau mana-mana Initak kkan denda kepada responden under the provisions of the Statistics die actual information or pest estimati	uk menjalankan SURVEI ng diperlukan oleh Kera nsibility to conduct me Q alton required by the G di Malayala unfuk m soal selidik perfubu usi di luar Jabatan it yang gagal memberl Act, 1035 (flexised-108).	ajaan bagi peng UARTERLY EM overnment for t Naemak-1989). emberikan ma han yang dib ni. Sementara kerjasama k O). Section 5 of der the Act, the o	ggubalan dasar dan perancangan PLOYMENT/SALARIES & WAGES the formulation of human resource Sakayen S di bawah Akta Ind kilumat aebenar atau anggaran arima adalah SULIT dan Italian anggaran sultan sultan anggaran sultan sultan pagada survel yang dijalantan this Act requires all establishments contents of the individual returns are contents of the individual returns are
Jabatan Perangkaan Malay Tujuan utama survei ini lai pembangunan sumber mai The Department of Stassost SURVEY. The main objectio development policies and pil Maskiumat dikumpul men mengkehendaki man-ma terbalik kepada Jabatan. Jabatan Jahan Sampenulai The information is gathered operating in Malaysia to pro CONFIDENTIAL and will not penalty to respondent that is penalty to respondent that is	sh untuk mengumpil maklumat ya usula. Alalaysia has been gilven the respore or of this survey is to collect intro- mong. Biguit peruntukan di bawah Akta na perfubuhan yang beroperaal Mengikut Akta Ini, kandungan seelapa atau mana-mana Inatif kkan denda kapada responden under the provisions of the Statistics de actual information or best estima be divulged to any person or instituto it o comply to the survey understawa.	uk menjalankan SURVEI ng diperlukan oleh Kara nsibility to conduct the Q albon required by the G di Malaysta unfuk m soal sellidik pertubu usi di luar Jabatan it yang gagal memberl Act, 1055 (Revised-1036 s to the Department. Uno noutside the Department	ajaan bagi peng UARTERLY EM overnment for t ilsemak-1989). emberikan ma ihan yang dit il. Sementara kerjasama k oj. Section 5 of der the Act, the o	gubalan dasar dan perancangan FLOY/IPD/TSALARIES & WAGES he formulation of human resource. Sekayen 5 dl bawah Akta ini khumat sebenar atau anggaran erima adalah SULIT dan tidak flu, sekayen 7 dl bawah Akta sepada survel yang dijalankan, tris Act requires ail estabitoments contents of the huldusal refums are cotton 7 under the same Act provides
Jabatan Perangkaan Malay Tujuan utama survel ini lai The Department of Statistics SURVEY. The main object development policies and pix Maklumat dikumpul men mengkehendaki mana-ma tertalik kepada Jabatan boleh dihabahkan kepadi yang sama mengenumat	sh untuk mengumpil maklumat ya luala, sa mangungi maklumat ya luala, sa da	uk menjalankan SURVEI ng diperlukan oleh Kera ng diperlukan oleh Kera nabibity to conduct the dy abiton required by the G Derangkaan, 1955 (D di Malaysia untuk me a soal selidik pertubu usi di luar Jabatan ir yang gagal memberi sa to the Department. Uni o outside the Department o outside the Department is ebagai panduan bagi ment as a guide for comp	ajaan bagi peng UARTERLY EM overnment for t ilsemak-1989). emberikan ma ihan yang dit il. Sementara kerjasama k oj. Section 5 of der the Act, the o	gubalan dasar dan perancangan FLOY/IPD/TSALARIES & WAGES he formulation of human resource. Sekayen 5 dl bawah Akta ini khumat sebenar atau anggaran erima adalah SULIT dan tidak flu, sekayen 7 dl bawah Akta sepada survel yang dijalankan, tris Act requires ail estabitoments contents of the huldusal refums are cotton 7 under the same Act provides
Jabatan Perangkaan Malay Tujuan utama survel ini lai The Department of Statistics SURVEY. The main object development policies and pix Maklumat dikumpul men mengkehendaki mana-ma tertalik kepada Jabatan boleh dihabahkan kepadi yang sama mengenumat	sh untuk mengumpil makhumat ya wakumia na been jisen the reson kaleurjan ha been jisen the reson jiskut peruntukan di bawah Akta na pertubuhan yang beropersal mengikut Akta lini, kandungan seelapa sita uman-aman Institu seelapa sita uman-aman Institut seelapa sita uman-aman seelapa sita uman-aman Institut seelapa sita uman-aman Inst	uk menjalankan SURVET ng dipertukan oleh Kara nasibiliy to conduct the Q auton required by the So Perangkan, 19 Perangkan, 19 Perangkan, 19 G Maleysia untuk mise soal seldits pertubu pada gagai mengan yang gagai mendan hagi ment as a guide for comp ment as a guide for comp uuch appreciated.	ajaan bagi peng UARTERLY EM overnment for t ilsemak-1989). emberikan ma ihan yang dit il. Sementara kerjasama k oj. Section 5 of der the Act, the o	gjubalan dasar dan perancangan FLYOVIRCHT/TSALAHES S MWGGE be formulation of human resource Seksyen 5 dl bawah Akta Int klumat seberar atau anggaran ertima adalah SULIT dan Ibdak flit, seksyen 7 di bawah Akta flit, seksyen 7 di bawah Akta titis Act requires ail estationmento concents of the number of the section production of the same Act provides a soal selidik Int. Boonaire.
1. Jabatan Perangkaan Malay Tujuan utama surval ini lai Tujuan utama surval ini lai The Department of Statistics SURVEY. The main objection development policies and pit Quantum programment of Statistics and pit Quantum programment of Statistics and pit of the programment of Statistics and pit Quantum programment of Statistics and pit Quantum programment of Statistics and pit of the Statistics of Statistics and Statistics	the unbut mengumpiù makhumat ya ushi yalin kao ben jihen tha resou se of mis suney is si collect informong: gikut peruntukan di bawah Akta na pertubuhan yang beropersal mengikut Akta Init, kandungan selapa silan mana-mana Initih selapa silan mana-mana Initih selapa silan mana-mana Initih mengikut Akta Init, kandungan selapa silan mana-mana Initih to carbai him mana-mana Initih mengularan personal mana-mana Initih mengularan personal mana-mana-mana Initih mengularan personal mana-mana-mana Initih mengularan personal mana-mana-mana Initih mengularan personal mana-mana-mana Initih mengularan personal mana-mana-mana-mana Initih mengularan	w menjalankan SURVED ng diperlukan oleh Kara nasibiliy to conduct the Q adaron required by the G Perangkaan, 1955 (0 if Malaysia untuk soal selidit, pertubu soal selidit, pertubu soal selidit, pertubu soal selidit, pertubu selidi kara Jababan soal selidi kara Jabab	ajsan bagi peng UARTERLY EM UARTERLY EM UISEmak-1983). emberikan ma han yang dih II. Sementara Kerjasana K. Kerjasana A Kerjasana K. Kerjasana A Meanwhile, Se Meanwhile, Se Meanwhile, Se Khot Cate: 1 April: Khi/ Cate: 1 April:	gjubalan dasar dan perancangan PLOYMENTISALARIES & WAGES Per formulation of human resource Seksyan 5 di bawah Akts Ini Aktumat seberari atasu anggaran erima adalah SULIT dan tidak fitti, seksyan 7 di bawah Akta gada survel yang dijalankan. Di bawah Akta pada survel yang dijalankan pada survel yang dijalankan. Concortest of he halloksal retum ser coton 7 under the same Act provides soal selidik Ini. Donnaire. **REGUNAAN PEJABEAT OPFICE USE MED BURNAAN PEJABEAT MED BURNAAN PEJABEAT OPFICE USE MED BURNAAN PEJABEAT OPFICE USE MED BURNAAN PEJABEAT OPFICE
1. Jabatan Parangkaan Malay Tujuan utama survei ini lai penbangunan eumber mai The Department of Statistics SURVEY. The main object oevelopment policies and pil Maklumat dikumpul meny mengkehendaki mana-ma tina dikumpul meny mengkehendaki yang asma memperuntul The intomation is gathered occilification in gathered occilification in gathered penalty to respondent mar ele Salia basa dokumen "KONS Please read the attached 'O Lerig Tatanta rokum (ALA-Wa) DATO' SRI DR. MOHO UZIR MA KETUA PERANOKAWAN MAL CHIEF TOTAT TOWN (ALA-WA) DATO' SRI DR. MOHO UZIR MA KETUA PERANOKAWAN MAL CHIEF TOWN TOWN MAL Tandakan (') salah salul Tok (') en penalty documental mengaku bahawa Januari da	sh untuk mengumpil maklumat ya Wales. Sa has been giyen the respo Wales. Sa has been giyen the respo Manguer Sa Gollect Inhouse Manguer Sa Gollect Inhouse Manguer Sa Gollect Inhouse Mengikut Akta Init. kandungar Mengikut Akta Init. kandungar	w menjalankan SURVEE ng diperlukan oleh Kara ng diperlukan oleh Kara nsibility to conduct the Q Perangkaan, 1965 (0 Malayata untuk m soal selidin, payata untuk m yang gapal memberl Act, 1005 (Reischaft, 1004) so to	ajaan bagi peng LARTERLY EM VARTERLY EM V	gjubalan dasar dan perancangan FLOVMENTISALARIES 8 WAGES Per formulation of numan resource Seksyan 5 di bawah Akta Ini kkumat seberara datu anggaran efitas adalah SULIT dan tidak fita, Seksyan 7 di bawah Akta eda bayada survel yang dijalankan. Controllers of the numan ecitor 7 under the same Act provides soal selidik Ini. MERCHANAN PEJABAT GHOLE GERE MERCHANAN PEJABAT GHOLE MERCHANAN PEJABAT GHOLE MERCHANAN PEJABAT GHOLE MERCHANAN PEJABAT GHOLE MERCHANAN PEJABAT GHOLE MERCHANAN PEJABAT GHOLE MERCHANAN PEJA
1. Jabatan Parangkaan Malay Tujuan dama survei int lai penbangunan aumber man The Department of Statistics SURVEY. The main object on the penbangunan surber man The Department of Statistics SURVEY. The main object of the penalth of the penalth of the main object of the penalth of the main object of the penalth of the penalth of the dischard of the penalth of the p	sh untuk mengumpil makhumat ya kaleusih aka ben jisen the resor kaleusih aka ben jisen the resor jistut peruntukan di bawah Akta na pertubuhan yang beropersal mengukut Akta lini, kandungan keelapa sita mana-mana Institu mengumpil yang beropersal mengukut Akta lini, kandungan keelapa sita mana-mana Institu mengumpil yang beropersal mengumpil yang beropersal be akusi intomation or best estimate best post propertion or per per per per per per per per	w menjalankan SURVED ng diperlukan oleh Kara nasibiliy to conduct the Q adaton required by the G di Malaysia untuk se soal seldits perfubu sel oleh separatipus di di Malaysia untuk se soal seldits perfubu sel oleh separatipus di mara Jabahan ser sel on be-parament oleh sel oleh separatipus sel oleh sel oleh sel sel o	ajaan bagi peng LARTERLY EM VARTERLY EM V	gjubalan dasar dan perancangan FLOVMENTISALARIES 8 WAGES Per formulation of numan resource Seksyan 5 di bawah Akta Ini kkumat seberara datu anggaran efitas adalah SULIT dan tidak fita, Seksyan 7 di bawah Akta eda bayada survel yang dijalankan. Controllers of the numan ecitor 7 under the same Act provides soal selidik Ini. MERCHANAN PEJABAT GHOLE GERE MERCHANAN PEJABAT GHOLE MERCHANAN PEJABAT GHOLE MERCHANAN PEJABAT GHOLE MERCHANAN PEJABAT GHOLE MERCHANAN PEJABAT GHOLE MERCHANAN PEJABAT GHOLE MERCHANAN PEJA
1. Jabatan Parangkaan Malay Tujuan dama survei int lai peribangunan aumber man The Department of Statistics SURVEY. The main object on the peribangunan aumber man The Department of Statistics SURVEY. The main object of the peribangunan dama the peribangunan dama the peribangunan dama tempulangunan mangkahendaki anan-ma boleh dibebahkan kepada yang aama memperuntut The information of gathered of CONFIDENTIAL and will not penalty to respondent that fine additional control of the second of	sh untuk mengumpil maklumat ya lekujayih ako ben jisen ha resoo kof nika suney is di collect informong- gikut peruntukan di bawah Akta na pertubuhan yang beroperala Mengikut Akta Init, kandungan selapa siau mana-mana Initi to carbayi bir berakhan or best estima be adusi initima mana-mana Initima perdubuhan Decimpi selapa siau berakhan sunya pengakuan Decimpi se one: Pengakuan Decimpi se one: pengakuan Decimpi pertubuhan caya adalah hak milik peneriti is an individual proprebanlapatherises matak / Mana-mana Initima pengakuan Decimpi pertubuhan caya adalah hak milik peneriti is an individual proprebanlapatherises matak / Mana-mana matak / Mana-mana matak / Mana-mana-mana matak / Mana-mana-mana-mana matak / Mana-mana-mana-mana matak / Mana-mana-mana-mana-mana matak / Mana-mana-mana-mana matak / Mana-mana-mana-mana-mana matak / Mana-mana-mana-mana matak / Mana-mana-mana-mana-mana-mana-mana-mana-	uk menjalankan SURVET ng dipertukan oleh Kara ndabiliy to conduct the Q adalom required by the Q Perangkaan, 1955 (0 If Maleysia untuk se soal seldits perangkaan, 1955 (0 If Maleysia untuk se soal seldits perangkaan sendar jama and sendar perangkaan sendar jama and sendar jama and sendar jama sendar jama and sendar jama and sendar jama sendar jama and sendar jama	ajaan bagi peng LARTERLY EM VARTERLY EM V	gjubalan dasar dan perancangan FLOYMENTISALARIES & WAGES Per formulation of human resource Seksyan 5 di bewah Akta Ini Kahumat sebenari atasu anggaran setima adalah SULIT dan tidak filih, Seksyan 7 di bewah Akta pada survel yang dijalankan, nun human sebenari atasu anggara dasapada survel yang dijalankan, nun human sebagan da dasabanherian human da sesabanherian cidon 7 under the same Act provides soala selidik ini. KEDUNAAN PEABAT DONNAIN KEDUNAAN PEABAT CHARLES MERITAN DESARTA MERITA
Jabatan Perangkaan Malay Trijuan utama survei in ila trijuan utama trijuan kepada survei in ila trijuan survei ila	sh untuk mengumpil maklumat ya sekata sa bengilen the resor kelasi sa been giyen the resor kelasi sa been giyen the resor minang. gikut peruntukan di bawah Akta na pertubuhan yang beroperala selapa sia mana-mana Institu sa selapa sia mana-mana Institu selapa sia mana-mana-mana Institu selapa sia mana-mana-mana Institu selapa sia mana-mana-mana Institu selapa sia sia sia sia sia sia sia sia sia si	uk menjalankan SURVED ng diperlukan oleh Kara nasibiliy to conduct the Q adaron required by the G di Malayeta untuk soal seldits pertubu soal seldits pertubuk soal seldits so	ajaan bagi peng LARTERLY EM VARTERLY EM V	gubalan dasar dan perancangar PLOYINEVITSALARIES & WAGES Per Romuliston of human resource Seksyan 5 dl bawah Akta in Kikumat seberar atasi anggara situma dasaha SULIT dan bdal fitu, Seksyan 7 di bawah Akta Nu Seksyan 7 di bawah Akta Nu Seksyan 6 di seksyangan Survet yang distankan nibin Act requires at establiomento COON 7 under the same Act provides acata establichemento MEDUNAAN PEJABAT DONNAINE MEDUNAAN PEJABAT DONNAINE MEDUNAAN PEJABAT DONNAINE MEDUNAAN PEJABAT DONNAINE MEDUNAAN PEJABAT MEDUNAAN P

Sila nyatal	kan da	ta bagi setiap l	kategori pekerj	aan. Sekiranya	angka yang ter	pat tidak dapat	diberi, sila kem al figures, please	ukakan angga	ran yang muna	sabah.	
Kategori pekerjaan Occupation categories		Pengurus Managers	Profesional Professionals	Juruteknik dan Profesional Bersekutu Technicians and Associate Professionals	Pekerja Sokongan Perkeranian Clerical Support Workers	Pekerja Perkhidmatan dan Jualan Service and Sales Workers	Pekerja Mahir Pertanian, Perhutanan, Penternakan, dan Perikanan Skilled Agricultural, Forestry, Livestock and Fishery Workers	Pekerja Kemahiran dan Pekerja Pertukangan yang Berkaitan Craft and Related Trades Workers	Operator Mesin dan Loji, dan Pennasang Plant and Machine Operators and Assemblers	Pekerja Asas Elementary Occupations	Jumlah Total
DEVED IA AN 8 VEVOCONO		01	02	03	04	05	06	07	80	09	10
PEKERJAAN & KEKOSONG	AN/ E	MPLOYMEN	I & VACANC	IES							
Pekerja Employees	4 £										
Kekosongan Vacancies	B 05										
Pengambilan Hires	0 g										
Pemberhentian/ Separations											
Berhenti Quits	D 94										
Diberhentikan Layoffs	E 05										
Lain-lain Others	F 06										
PEKERJA BERGAJI & JAM	BEKE	RJAI PAID E	MPLOYEES &	& HOURS WO	DRKED						
Pekerja Sepenuh Masa Full-Time Employees	g 23										
Pekerja Separuh Masa Part-Time Employees	H 24										
Jumlah Hari Bekerja Sebulan Total Days Worked Per Month	1 25										
Jam Bekerja Sehari¹ Hours Worked Per Day¹	J 26										
Jumlah Jam Bekerja Lebih Masa ² Total Overtime Hours Worked	ж 2810										
¹Jam Bekerja Sehari bagi seoran ²Jumlah Jam Bekerja Lebih Masa	g peke a bagi s	rja/ Hours Worl sebulan bekerj	ked Per Day for a untuk semua	a worker. pekerja/ Total	Overtime Hours	Worked for a m	onth worked for a	all workers.			









Questionnaire: Quarterly Services Survey



JABATAN PERANGKAAN MALAYSIA DEPARTMENT OF STATISTICS, MALAYSIA WWW. dosm.gov.my Sila bust satu salinan untuk rekod tuan Please make a copy for you record SULUT SELEPAS DATA DIISI CONFIDENTIAL WHEN FILLED WITH DATA SURVEI PERKHIDMATAN SUKU TAHUNAN QUARTERLY SURVEY OF SERVICES SUKU TAHUN KEDUA 2021 SECOND QUARTER 2021 Feoto: SUKU TAHUN KEDUA 2021 SECOND QUARTER 2021 Jika nama dan alamat di bawah tidak tepat, sila pinda if the making address below is incorrect, please amend accordingly Bagi sebarang portanyaan, sila hubungi: For any enquiries, please confact: Sila catatkan nombor rujukan pertubuhan ini dalam semua surat-menyurat Please state the reference number of this establishment in all correspondence Nendakkah dilengkapkan dan dikembalikan tidak lewat dari / To be compilede and returned not later than Dipkettif / Objective ujuan survel ini dilaksanakkan adalah untuk mendapatkan statistik pernilagaan dan ekonomi digital dalam pelbagai industri sektor perthidmata talaysia. Mahumat yang dikumpul akan digunakan secara meluas untuk mengelusrakan indikator ekonomi sepertif. Keluaran Dalam Negerif. KONK), Satratisti in membaruh pinka kerjana dan orapinasa ilah termanukan indikator ekonomi sepertif Keluaran Dalam Negerif. KONK), Satratisti in membaruh pinka kerjana dan orapinasa ilah termanukan indikator ekonomi sepertif. Keluaran Dalam Negerif. KONK), Satratisti in membaruh pinka kerjana dan orapinasa ilah termanukan indikator ekonomi sepertif. Keluaran Dalam Negerif. Keluaran Dalam Nege
SURVEI PERKHIDMATAN SUKU TAHUNAN QUARTERLY SURVEY OF SERVICES SUKU TAHUN KEDUA 2021 SECOND QUARTER 2021 Fe002 Jilka nama dan alamat di bawah tidak tapat, sila pinda If the making address below is incorrect, pilasse amend accordingly Bila lengkap dan kembalikan kepada: Pilasse compishe and return Please state the enterence number of the establishment in all correspondence Bila lengkap dan kembalikan kepada: Pilasse compishe and return Please state the enterence number of the establishment in all correspondence Nendaktah dilengkapkan dan dikembalikan tidak tewat dan! To be compisted and returned not later than Objektif / Objective Ujuan survel ini dilaksanakan adalah untuk mendapatkan statistik perniagaan dan ekonomi digital dalam pelbagai industri sektor perthidmatal slatysis. Malturan yang dikumpul akan digunakan secara meluas untuk mengeluarkan indikator ekonomi seperti Keluaran Dalam Negeri K CDNK). Satistik ini membartu pihak kerajaan dan organisaal lain termasuk komuniti perniagaan datam merancang dan membuat keputusan. CDNK, Satistik ini membartu pihak kerajaan dan organisaal lain termasuk komuniti perniagaan datam merancang dan membuat keputusan. CDNK, Satistik ini membartu pihak kerajaan dan organisaal lain termasuk komuniti perniagaan datam merancang dan membuat keputusan. CDNK, Satistik ini membartu pihak kerajaan dan organisaal lain termasuk komuniti perniagaan datam merancang dan membuat keputusan. CDNK, Satistik ini membartu pihak kerajaan dan organisaal lain termasuk komuniti perniagaan datam merancang dan membuat keputusan. Kusas Perumdangan / Legal Authority Satistik sat
SUKU TAHUN KEDUA 2021 SECOND QUARTER 2021 F6002 Jika nama dan alamat di bawah tidak tepat, sila pinda if the maiing address below is recorrect, please amend accordingly Bila tengkap dan kembalikan kepada: Please complete and refurm Bila tengkap dan kembalikan kepada: Please complete and refurm Bila tengkap dan kembalikan kepada: Please complete and refurm Bila tengkap dan kembalikan kepada: Please complete and refurm Bila tengkap dan kembalikan kepada: Please complete and refurm Bila tengkap dan kembalikan kepada: Please complete and refurm Bila tengkap dan kembalikan kepada: Please complete and refurm Bila tengkap dan kembalikan kepada: Please conflect: Bila tengkap dan kembalikan kepada: Please conflection and refurmation and decomplete and tengkap dan kembalikan pelibagai industri sektor perkhidmata telectoria suarda; please conflection and tengkap digita economy in a variety of industries in services sector. The information of other organisations as well as businanty authority Bakkumat yang dikumpul adalah mengkut peruntukan di bawah Akta Perangkaan 1965 (Disemak - 1995). Seksyen 5 di bawah Akta jeng mengben and anan-tenap perlokaba yang beperapasi (Malaya) untuh memberikan malumat sebenar atau anggaran tertusik kepada Jabatan. Mengkut Akta ara Jabatan ini. Sementra: iti, Seksyen 7 di bawah Akta yang sama menyatakan bahawa responden boleh diikanakan denda sekirampa gementrakan lenda sekirampa generativan denda sekirampa generativan denda sekirampa generativan denda sekirampa generativan denda sekirampa generativan den
SUKU TAHUN KEDUA 2021 SECOND QUARTER 2021 Jilka nama dan alamat di bawah tidak tepat, sila pinda Jilka nama dan alamat di bawah tidak tepat, sila pinda Jilka nama dan alamat di bawah tidak tepat, sila pinda Jilka nama dan alamat di bawah tidak tepat, sila pinda Jilka nama dan alamat di bawah tidak tepat sila pinda Jilka nama dan alamat di bawah tidak tepat dan decordingly Sila catatkan nombor nujukan pertubuhan ini dalam semua surat-menyurat Please complete and return Bagi sebarang pertanyaan, sila hubungi : For any enquires, please contact: Sila catatkan nombor nujukan pertubuhan ini dalam semua surat-menyurat Please sidar the reference number of his erisbishimmeri in al correspondence Please sidar the reference number of his erisbishimmeri in al correspondence To be completed and returned not later than Objektif / Objective Ujuan survei ini dilaksanakan adatah untuk mendapatkan statistik perniagaan dan ekonomi digital dalam pelbagai industri sektor perkhildmata balapisa. Malamat yang dikumpul akan digurukan secara meluas untuk mengeluarkan indikator ekonomi seperti Keluaran Dalam Negeri K CONK). Satatish ini membaria pihak kerajaan dan organisasi lain termasuk komunili perniagaan dan merancang dan membuat keputusan. Depat ini perniagan dalam perniagan dan denomi digital dalam pelbagai industri sektor perkhildmata balapisa. Malamat perniagaan dan sekonomi seperti Keluaran Dalam Negeri K CONK). Satatish ini membaria pihak kerajaan dan organisasi lain termasuk komunili perniagaan dan merancang dan membuat keputusan. Masa perundangan / Legal Authority Kuasa Perundangan / Legal Authority Kuasa Perundangan / Legal Authority Kuasa Perundangan / Legal Authority Sakumat yang dikumpula dalah mangikut peruntukan di bawah Akta Pernagkaan 1965 (Disemak - 1999). Seksyen 5 di bawah Akta ini menghen ara-dan perubahahan yang diserorasi di Malayais untuk memberikan malahunat sebenar atasa anggaran tertasik kepada Jabatan. Mengikut Akta ara Jabatan ini. Sementara ini, Seksyen 7 di bawah Akta yang sama menyataka
Jika nama dan alamat di bawah tidak tepat, sila pinda If the mailing address below is incorrect, please amend accordingly Sila lengkap dan kembalikan kepada: Please complete and return Bagi sebarrang pertanyaan, sila hubungi: Por any enquires, please contact: Sila catatikan nombor rujukan pertubuhan ini dalam samua surat-menyurat Please state the reference number of this establishment in all correspondence Hendakkiah dilengkapkan dan dikembalikan tidak lewat dari! To be completed and returned not later than Objektif / Objective Ujuan survei ini dikakanakan adalah untuk mendapatkan statistik perniagaan dan ekonomi digital dalam pelbagai industri sektor perkhildmata latigasia. Malumat yang dikumpul akan digunakan secara meliusu untuk mengeluarkan indikator ekonomi seperti Kehaaran Dalam Negeri K ODKN, Satistik ini membarita pihak kerajaan dan organisasi lani termasuk komuniti perniagaan dalam merancang dan membat keputusan. COKN, Satistik ini membarita pihak kerajaan dan organisasi lani termasuk komuniti perniagaan dalam merancang dan membat keputusan. Odi pertingkan satistik sa
Bila catalkan nombor rujukan pertubuhan ini dalam semua surat-menyurat Sila catalkan nombor rujukan pertubuhan ini dalam semua surat-menyurat Please complete and return Bagi sebarang pertanyaan, sila hubungi: For any enquines, please contact: Sila catalkan nombor rujukan pertubuhan ini dalam semua surat-menyurat Please sittle the reference number of his exisiolatiment in al correspondence Hendakkah dilengkapkan dan dikembaliahan tidak lewat dari / To be completed and returned not later than Objektif / Objective ujuan survei ini dilaksanakan adalah untuk mendapatkan statistik perniagaan dan ekonomi digital dalam pelbagai industri sektor perthilimata labayak. Mahumat yang dikumpul akan digurukan secara meluas untuk mengeluarkan indikator ekonomi seperti Keluaran Dalam Negeri K CONK). Satatik ini membartu pihak kerajaan dan organisasi lain termasuk komuniti perniagaan dalam merancang dan membuat keputusan. Per pupose of tila survey is to dehan distilatios of kalapis bushassas and digila economy is a variety of industries in services satori. The informa of other organisations as well as business organismy and decision making. Kuasa Perundangan / Legal Authority Salaman yang disumpul adalah mengikut peruntukan di bawah Akta Perangkaan 1985 (Disemak - 1995). Seksyen 5 di bawah Akta ini menghen mahumat sebenar atau anggaran tertasik kepada Jabatan. Mengikut Akta ara Jabatan ini. Sementara iti, Seksyen 7 di bawah Akta yang sama menyatakan bahawa responden boleh dikenakan denda sekiranya generikan.
Bagi sebarang pertanyaan, sila hubungi : For any enquiries, please confact : Bila catafikan nombor nujukan pertubuhan ini dalam semua surat-menyurat Please state the reference number of this establishment in all correspondence Hendakkish dilengkapkan dan dikembalikan tidak lewat dari / To be completed and returned not larer than Dejektif Objective ujuan survei ini dilaksanakan adalah untuk mendapatikan statistik perniagaan dan ekonomi digital dalam pelibagai industri sektor perkhidmata stapisa. Mahamat yang dikumpul akan digunakan secara meluas untuk mengebarkan indikator ekonomi seperti Kaluaran Dalam Negeri K DNK), Sulateki ini membaria pihak berajian dan onganisasi iani termasuk homunili perniagaan dalam merancang dan membari keputusan. DNK sulateki ini membaria pihak berajian dan onganisasi iani termasuk homunili perniagaan dalam merancang dan membari keputusan. DNK sulateki ini membaria pihak berajian dan onganisasi iani termasuk homunili perniagaan dalam merancang dan membari heputusan. DNK sulateki ini membaria pihak berajian dan onganisasi iani termasuk homunili perniagaan dalam merancang dan membari services sector. The informa olehor organisasiona service is bowah ata services sector. The informa olehor organisasiona service sector. The informa olehor organisasiona service sector. The informa collector is used estensively in the production of a range of economic indicators such as disosa Domestic Product (GDP). These statistics helip the governor olehor organisasi dalam menglikan ana-mana pertuhahan yang beroperusa di Malaysia untuk memberikan mahlumat sebenar atau anggaran tertasik kepada Jabatan. Mengikut Akta ar Jabatan ini. Sementrar iti, Seksyen 7 di bawah Akta yang sama menyatakan bahawa responden boleh dilikanakan denda sekiranya generikan.
For any enquiries, please contect: Please state the reference number of this establishment in all correspondence Hendaklah dilengkapkan dan dikembalikan tidak lewat dari / Delektif Objective Ujuan survei ini dilaksanakan adalah untuk mendapatkan statistik perniagaan dan ekonomi digital dalam pelibagai industri sektor perthidmata halipyian survei ini dilaksanakan adalah untuk mendapatkan statistik perniagaan dan ekonomi digital dalam pelibagai industri sektor perthidmata halipyian survei ini dilaksanakan adalah untuk mendapatkan statistik perniagaan dan ekonomi digital dalam pelibagai industri sektor perthidmata halipyian survei ini dilaksanakan sadatan adalah untuk mendapatkan surtuk mengalusrikan indilator ekonomi seperdi Kaluaran Dalam Negeri K. Delektif Josistik ini membarik pihak kerajaan dan organisasi inin hermasuk komunili perniagaan dalam merancang dan membari keputusan. Delektif is used estensively in the production of a range of economic midicators surch as Gross Domestic Product (GDP). These statistics helipi the governor dither organisations as well as businesse and nadigal economy in a variety of industries in services sector. The information of other organisations as well as businesse and nadigal economy in a variety of industries in services sector. The information of other organisations as well as businesse community in planning and decision making. Kuasa Perundangan I Legal Authority takumat yang diskumpul adalah mengikut peruntukan di bawah Akta Perangkaan 1965 (Disemak - 1999). Seksyen 5 di bawah Akta ini menghen ana-mana pertichahan yang disperukan di Malipyaia untuk memberham makumat sebenar atau anggaran tertaih kepuda Jabatan. Mengikut Akta ar Jabatan ini. Sementara iti, Seksyen 7 di bawah Akta yang sama menyatakan bahawa responden boleh dilikanakan denda sekiramya generikan.
For any enquiries, please contect: Please state the reference number of this establishment in all correspondence Hendaklah dilengkapkan dan dikembalikan tidak lewat dari / Delektif Objective Ujuan survei ini dilaksanakan adalah untuk mendapatkan statistik perniagaan dan ekonomi digital dalam pelibagai industri sektor perthidmata halipyian survei ini dilaksanakan adalah untuk mendapatkan statistik perniagaan dan ekonomi digital dalam pelibagai industri sektor perthidmata halipyian survei ini dilaksanakan adalah untuk mendapatkan statistik perniagaan dan ekonomi digital dalam pelibagai industri sektor perthidmata halipyian survei ini dilaksanakan sadatan adalah untuk mendapatkan surtuk mengalusrikan indilator ekonomi seperdi Kaluaran Dalam Negeri K. Delektif Josistik ini membarik pihak kerajaan dan organisasi inin hermasuk komunili perniagaan dalam merancang dan membari keputusan. Delektif is used estensively in the production of a range of economic midicators surch as Gross Domestic Product (GDP). These statistics helipi the governor dither organisations as well as businesse and nadigal economy in a variety of industries in services sector. The information of other organisations as well as businesse and nadigal economy in a variety of industries in services sector. The information of other organisations as well as businesse community in planning and decision making. Kuasa Perundangan I Legal Authority takumat yang diskumpul adalah mengikut peruntukan di bawah Akta Perangkaan 1965 (Disemak - 1999). Seksyen 5 di bawah Akta ini menghen ana-mana pertichahan yang disperukan di Malipyaia untuk memberham makumat sebenar atau anggaran tertaih kepuda Jabatan. Mengikut Akta ar Jabatan ini. Sementara iti, Seksyen 7 di bawah Akta yang sama menyatakan bahawa responden boleh dilikanakan denda sekiramya generikan.
For any enquiries, please contect: Please state the reference number of this establishment in all correspondence Hendaklah dilengkapkan dan dikembalikan tidak lewat dari / Delektif Objective Ujuan survei ini dilaksanakan adalah untuk mendapatkan statistik perniagaan dan ekonomi digital dalam pelibagai industri sektor perthidmata halipyian survei ini dilaksanakan adalah untuk mendapatkan statistik perniagaan dan ekonomi digital dalam pelibagai industri sektor perthidmata halipyian survei ini dilaksanakan adalah untuk mendapatkan statistik perniagaan dan ekonomi digital dalam pelibagai industri sektor perthidmata halipyian survei ini dilaksanakan sadatan adalah untuk mendapatkan surtuk mengalusrikan indilator ekonomi seperdi Kaluaran Dalam Negeri K. Delektif Josistik ini membarik pihak kerajaan dan organisasi inin hermasuk komunili perniagaan dalam merancang dan membari keputusan. Delektif is used estensively in the production of a range of economic midicators surch as Gross Domestic Product (GDP). These statistics helipi the governor dither organisations as well as businesse and nadigal economy in a variety of industries in services sector. The information of other organisations as well as businesse and nadigal economy in a variety of industries in services sector. The information of other organisations as well as businesse community in planning and decision making. Kuasa Perundangan I Legal Authority takumat yang diskumpul adalah mengikut peruntukan di bawah Akta Perangkaan 1965 (Disemak - 1999). Seksyen 5 di bawah Akta ini menghen ana-mana pertichahan yang disperukan di Malipyaia untuk memberham makumat sebenar atau anggaran tertaih kepuda Jabatan. Mengikut Akta ar Jabatan ini. Sementara iti, Seksyen 7 di bawah Akta yang sama menyatakan bahawa responden boleh dilikanakan denda sekiramya generikan.
For any enquiries, please contect: Please state the reference number of this establishment in all correspondence Hendaklah dilengkapkan dan dikembalikan tidak lewat dari / Delektif Objective Ujuan survei ini dilaksanakan adalah untuk mendapatkan statistik perniagaan dan ekonomi digital dalam pelibagai industri sektor perthidmata halipyian survei ini dilaksanakan adalah untuk mendapatkan statistik perniagaan dan ekonomi digital dalam pelibagai industri sektor perthidmata halipyian survei ini dilaksanakan adalah untuk mendapatkan statistik perniagaan dan ekonomi digital dalam pelibagai industri sektor perthidmata halipyian survei ini dilaksanakan sadatan adalah untuk mendapatkan surtuk mengalusrikan indilator ekonomi seperdi Kaluaran Dalam Negeri K. Delektif Josistik ini membarik pihak kerajaan dan organisasi inin hermasuk komunili perniagaan dalam merancang dan membari keputusan. Delektif is used estensively in the production of a range of economic midicators surch as Gross Domestic Product (GDP). These statistics helipi the governor dither organisations as well as businesse and nadigal economy in a variety of industries in services sector. The information of other organisations as well as businesse and nadigal economy in a variety of industries in services sector. The information of other organisations as well as businesse community in planning and decision making. Kuasa Perundangan I Legal Authority takumat yang diskumpul adalah mengikut peruntukan di bawah Akta Perangkaan 1965 (Disemak - 1999). Seksyen 5 di bawah Akta ini menghen ana-mana pertichahan yang disperukan di Malipyaia untuk memberham makumat sebenar atau anggaran tertaih kepuda Jabatan. Mengikut Akta ar Jabatan ini. Sementara iti, Seksyen 7 di bawah Akta yang sama menyatakan bahawa responden boleh dilikanakan denda sekiramya generikan.
For any enquiries, please contect: Please state the reference number of this establishment in all correspondence Hendaklah dilengkapkan dan dikembalikan tidak lewat dari / Delektif Objective Ujuan survei ini dilaksanakan adalah untuk mendapatkan statistik perniagaan dan ekonomi digital dalam pelibagai industri sektor perthidmata halipyian survei ini dilaksanakan adalah untuk mendapatkan statistik perniagaan dan ekonomi digital dalam pelibagai industri sektor perthidmata halipyian survei ini dilaksanakan adalah untuk mendapatkan statistik perniagaan dan ekonomi digital dalam pelibagai industri sektor perthidmata halipyian survei ini dilaksanakan sadatan adalah untuk mendapatkan surtuk mengalusrikan indilator ekonomi seperdi Kaluaran Dalam Negeri K. Delektif Josistik ini membarik pihak kerajaan dan organisasi inin hermasuk komunili perniagaan dalam merancang dan membari keputusan. Delektif is used estensively in the production of a range of economic midicators surch as Gross Domestic Product (GDP). These statistics helipi the governor dither organisations as well as businesse and nadigal economy in a variety of industries in services sector. The information of other organisations as well as businesse and nadigal economy in a variety of industries in services sector. The information of other organisations as well as businesse community in planning and decision making. Kuasa Perundangan I Legal Authority takumat yang diskumpul adalah mengikut peruntukan di bawah Akta Perangkaan 1965 (Disemak - 1999). Seksyen 5 di bawah Akta ini menghen ana-mana pertichahan yang disperukan di Malipyaia untuk memberham makumat sebenar atau anggaran tertaih kepuda Jabatan. Mengikut Akta ar Jabatan ini. Sementara iti, Seksyen 7 di bawah Akta yang sama menyatakan bahawa responden boleh dilikanakan denda sekiramya generikan.
For any enquiries, please contect: Please state the reference number of this establishment in all correspondence Hendaklah dilengkapkan dan dikembalikan tidak lewat dari / Delektif Objective Ujuan survei ini dilaksanakan adalah untuk mendapatkan statistik perniagaan dan ekonomi digital dalam pelibagai industri sektor perthidmata halipyian survei ini dilaksanakan adalah untuk mendapatkan statistik perniagaan dan ekonomi digital dalam pelibagai industri sektor perthidmata halipyian survei ini dilaksanakan adalah untuk mendapatkan statistik perniagaan dan ekonomi digital dalam pelibagai industri sektor perthidmata halipyian survei ini dilaksanakan sadatan adalah untuk mendapatkan surtuk mengalusrikan indilator ekonomi seperdi Kaluaran Dalam Negeri K. Delektif Josistik ini membarik pihak kerajaan dan organisasi inin hermasuk komunili perniagaan dalam merancang dan membari keputusan. Delektif is used estensively in the production of a range of economic midicators surch as Gross Domestic Product (GDP). These statistics helipi the governor dither organisations as well as businesse and nadigal economy in a variety of industries in services sector. The information of other organisations as well as businesse and nadigal economy in a variety of industries in services sector. The information of other organisations as well as businesse community in planning and decision making. Kuasa Perundangan I Legal Authority takumat yang diskumpul adalah mengikut peruntukan di bawah Akta Perangkaan 1965 (Disemak - 1999). Seksyen 5 di bawah Akta ini menghen ana-mana pertichahan yang disperukan di Malipyaia untuk memberham makumat sebenar atau anggaran tertaih kepuda Jabatan. Mengikut Akta ar Jabatan ini. Sementara iti, Seksyen 7 di bawah Akta yang sama menyatakan bahawa responden boleh dilikanakan denda sekiramya generikan.
Please state the reference number of this establishment in all correspondence Hendaklah dilengkapkan dan dikembalikan tidak lewat dari! To be completed and returned not later than Digkettif / Objective ujuan survel ini dilaksanakkan adalah untuk mendapatikan statistik perniagaan dan ekonomi digital dalam pelbagai industri sektor perthidmata lalaysia. Mahfumat yang dikumpul akan digunakan secara melusa untuk mengelusrkan indikator ekonomi sepertif. Keluaran Dalam Negerif. Koluaran Dalam Negerif. Neg
Please state the reference number of this establishment in all correspondence Hendaklah dilengkapkan dan dikembalikan tidak lewat dari! To be completed and returned not later than Digkettif / Objective ujuan survel ini dilaksanakkan adalah untuk mendapatikan statistik perniagaan dan ekonomi digital dalam pelbagai industri sektor perthidmata lalaysia. Mahfumat yang dikumpul akan digunakan secara melusa untuk mengelusrkan indikator ekonomi sepertif. Keluaran Dalam Negerif. Koluaran Dalam Negerif. Neg
Please state the reference number of this establishment in all correspondence Hendaklah dilengkapkan dan dikembalikan tidak lewat dari! To be completed and returned not later than Digkettif / Objective ujuan survel ini dilaksanakkan adalah untuk mendapatikan statistik perniagaan dan ekonomi digital dalam pelbagai industri sektor perthidmata lalaysia. Mahfumat yang dikumpul akan digunakan secara melusa untuk mengelusrkan indikator ekonomi sepertif. Keluaran Dalam Negerif. Koluaran Dalam Negerif. Neg
Hendaklah dilengkapkan dan dikembalikan tidak lewat dari / To be completed and returned not later than Objektif / Objective Ujuan survei ini dikakanakan adalah untuk mendapatkan statistik pernilagaan dan ekonomi digital dalam pelbagai industri sektor perrhiidmata dalapisa. Rakumar, yang dikumpul akan digunakan secara meluas untuk mengeluarkan indikator ekonomi seperti Kehaaran Dalam Negeri K ODNI). Satistik ini membarian pihak kerajaan dan organisasi lani termasuk komuntili perniagaan dalam merancang dan membari keputusan. Den pupose of tika survey is to obstan statistics of Malaysia bulansesea and digital economy is a variety of industries in services sector. The informa olitector is used estensively in the production of a range of economic indicators surch as Gross Domestic Product (GDP). These statistics help the governir of other organisations as well as business community in planning and decision making. Kussa Perundangan / Legal Authority Kussa Perundangan / Legal Authority Kussa Perundangan / Legal Authority Satistics August of Satistics August of Malaysia unital memberikan malbumat sebenar atsa anggaran tertasik kepada Jabatan. Mengikut Akta ari imenghen ana-enara perbulahah yang berperunda (Malaysia unital memberikan malbumat sebenar atsa anggaran tertasik kepada Jabatan. Mengikut Akta ari Jabatan ini. Sementara iti, Seksyen 7 di bawah Akta yang sama menyatakan bahawa responden boleh dilkenakan denda sekiranya gementiman.
To be completed and netured not later than Dijektiff (Dijective ijuan survei ini dilaksanakan adalah untuk mendapatkan statistik perniagaan dan ekonomi digital dalam pelbagai industri sektor perkhidmata talayaia. Kahtumat yang dikumpul akan dijunakan secara melusas untuk mengelusrkan indistor ekonomi sepertif Keluaran Dalam Negerif KOLINK, Satististi ini membartu pinak terajaan dan organissai ain termasuk komunili perniagaan adalam merancang dan membatu sebaputaan. Ne purpose of this survey is to obtain statistics of Malaysia businesses and digital economy in a variety of industries in services sector. The informa- bielected is used extensively in the production of a range of economic indicators such as Gross Domestic Product (GDP). These statistics help the governor other organisations as well as business community in planning and decision making. Kuasa Perundangan I Legal Authority kutusas Perundangan I Legal Authority taktumat yang dikumpul adalah mengikut peruntukan of bawah Akta Perangkaan 1965 (Disemak - 1989). Seksyen 5 di bawah Akta ini menghen statistumat yang dikumpul adalah mengikut peruntukan of bawah hasa mengatan sebenar stas jangaran seriala kepada Jakisas. Mengidi pikata andungan soal seldiki pertubuhan itu, Seksyen 7 di bawah Akta yang sama menyatakan bahawa responden boleh dikanakan denda sekiranya gemberi maklumat yang dipertukuan.
To be completed and netured not later than Dijektiff (Dijective ijuan survei ini dilaksanakan adalah untuk mendapatkan statistik perniagaan dan ekonomi digital dalam pelbagai industri sektor perkhidmata talayaia. Kahtumat yang dikumpul akan dijunakan secara melusas untuk mengelusrkan indistor ekonomi sepertif Keluaran Dalam Negerif KOLINK, Satististi ini membartu pinak terajaan dan organissai ain termasuk komunili perniagaan adalam merancang dan membatu sebaputaan. Ne purpose of this survey is to obtain statistics of Malaysia businesses and digital economy in a variety of industries in services sector. The informa- bielected is used extensively in the production of a range of economic indicators such as Gross Domestic Product (GDP). These statistics help the governor other organisations as well as business community in planning and decision making. Kuasa Perundangan I Legal Authority kutusas Perundangan I Legal Authority taktumat yang dikumpul adalah mengikut peruntukan of bawah Akta Perangkaan 1965 (Disemak - 1989). Seksyen 5 di bawah Akta ini menghen statistumat yang dikumpul adalah mengikut peruntukan of bawah hasa mengatan sebenar stas jangaran seriala kepada Jakisas. Mengidi pikata andungan soal seldiki pertubuhan itu, Seksyen 7 di bawah Akta yang sama menyatakan bahawa responden boleh dikanakan denda sekiranya gemberi maklumat yang dipertukuan.
Objektif / Objective ujuan survei ini dilaksanakan adalah untuk mendapatkan statistik perniagaan dan ekonomi digital dalam pelbagai industri sektor perkhidmata salaysia. Mahumat yang dikumpul akan digunakan secara meluas untuk mengeluarkan indikator ekonomi seperti Kehizara Dalam Negeri K. OKINS, Satistis iti membarian plaha kerajana dan onganisasi lain temasuka komunitip perniagan adalam merancang dan membatik seputusan. Ne puppos of this survey is to oldain sististics of Malaysia businesses and digital economy in a variety of industries in services sector. The information of a sured attentively in the production of a range of econome industries such as Giossi Domestic Product (GDP). These statistics help the governing of their organisations as used as business community in planning and decision making. Kuasa Perundangan I Legal Authority Musas Perundangan I Legal Authority Suksana yang diskumpul adalah mengkut perundakan di bawah Akta Perangkaan 1965 (Disemak - 1989). Seksyen 5 di bawah Akta ini menghen bana-mana pertubuhan yang beropersal di Malaysia untuk memberikan maktumat sebenar atau anggaran terbaik kepada Jabatan. Mengikat Akta andungan sola seladik pertubuhan 7 individu yang diserima adalah SULIT dan diska belah dibebahan kepada sestipa atau aman-mana instituar Jabatan ini. Sementara itu, Seksyen 7 di bawah Akta yang sama menyatakan bahawa responden boleh diikanakan denda sekiranya gemberi maklumat yang diperiukan.
ujuan survei ini dilaksanakan adalah untuk mendapatkan statistik perniagaan dan ekonomi digital dalam pelbagai industri sektor perkhidmata lalaysia. Maklumat yang dikumpul akan digunakan secara meluas untuk mengeluarkan indikator ekonomi seperti Keluaran Dalam Negeri K. (MCNK). Satistiki in membantuh pilak kerajana dan organisasi lain temasuki konuntili perniagan adalam merancang dan membatik seputuaan. he purpose of this survey is to obtain statistics of Malaysia businesses and digital economy in a variety of industries in services sector. The informational data of the organization of a range of economic indicators such as Gloss Domestic Product (GDP). These statistics help the governi of other organizations as seri data business community in pilaming and decision making. Kuasa Perundangan I. Legal Authority Kuasa Perundangan I. Legal Authority Legal Authority Legal Authority and dalah mengukit perundakan di bawah Akta Perangkaan 1965 (Disemak - 1989). Seksyen 5 di bawah Akta ini menghen bana-mana pertubuhan yang beropersal di Malaysia untuk memberikan maklumat sebenar stas anggaran terhalik kepada Jabatan. Mengikas daki andungan sola ladisik pertubuhan 1 dindividu pang diterima adalah SULIT dan idah boleh dihebahan kepada salabatan. Mengikas daki ara Jabatan ini. Sementara itu, Seksyen 7 di bawah Akta yang sama menyatakan bahawa responden boleh dikanakan denda sekiranya gemberi maklumat yang diperiukan.
lalaysia. Mahfumat yang dikumpul akan digunakan secara meluas untuk mengeluarkan indikator ekonomi sepertif. Keluaran Dalam Negerif. Kolusran Dalam Negerif.
he purpose of this survey is to obtain statistics of Malaysis businesses and digital economy in a variety of industries in services sector. The informa- plected is used extensively in the production of a range of economic indicators such as Gross Domestic Product (GDP). These statistics help the governor of other organisations as well as business community in planning and decision making. Kuasa Perundangan I Legal Authority Latitude yang dikumpul adalah mengikut peruntukan of bawah Akta Perangkaan 1985 (Disemak - 1989). Seksyen 5 di bawah Akta ini mengiken akan-mara pertuhbah yang beroperal of Malaysia ontan makiabi Perangkaan 1985 (Disemak - 1989). Seksyen 5 di bawah Akta ini mengiken akan-mara pertuhbah yang beroperal of Malaysia ontan makiabi Perangkaan 1985 (Disemak - 1989). Seksyen 5 di bawah Akta ini mengiken akan-mara pertuhbah yang beroperal of Malaysia ontan makiabi Perangkaan 1985 (Disemak - 1989). Seksyen 5 di bawah Akta ini mengiken akan-mara pertuhbah yang beroperan di Malaysia busiah Akta yang sama menyatakan bahawa responden boleh dilkanakan denda sekiranya g
he purpose of this survey is to obtain statistics of Malaysis businesses and digital economy in a variety of industries in services sector. The informa- plected is used extensively in the production of a range of economic indicators such as Gross Domestic Product (GDP). These statistics help the governor of other organisations as well as business community in planning and decision making. Kuasa Perundangan I Legal Authority Latitude yang dikumpul adalah mengikut peruntukan of bawah Akta Perangkaan 1985 (Disemak - 1989). Seksyen 5 di bawah Akta ini mengiken akan-mara pertuhbah yang beroperal of Malaysia ontan makiabi Perangkaan 1985 (Disemak - 1989). Seksyen 5 di bawah Akta ini mengiken akan-mara pertuhbah yang beroperal of Malaysia ontan makiabi Perangkaan 1985 (Disemak - 1989). Seksyen 5 di bawah Akta ini mengiken akan-mara pertuhbah yang beroperal of Malaysia ontan makiabi Perangkaan 1985 (Disemak - 1989). Seksyen 5 di bawah Akta ini mengiken akan-mara pertuhbah yang beroperan di Malaysia busiah Akta yang sama menyatakan bahawa responden boleh dilkanakan denda sekiranya g
ollected is used estensively in the production of a range of economic indicators such as Gross Domestic Product (GDP). These statistics help the government of other organisations as well as business community in planning and decision making. Kuasa Perundangan I Legal Authority Lationary and disumpul adalah mengikut peruntukan di bawah Akta Perzugkaan 1985 (Disemak - 1989). Seksyen 5 di bawah Akta ini mengiken atau-miana pertuhbahan yang beroperati di Malaysia untuk memberham makhunat sebenar atau anggaran tertaih kepada Jabatan. Mengikut Akta ini mengiken atau-miana pertuhbahan yang beroperati di Malaysia untuk memberham makhunat sebenar atau anggaran tertaih kepada Jabatan. Mengikut Akta ini mengiken atau-mian pertuhbahan yang diserukan. Lationary di Sementara itu, Seksyen 7 di bawah Akta yang sama menyatakan bahawa responden boleh dilkanakan denda sekiranya gementeriman.
nd ofter organisations as well as business community in planning and decision making. Kuasa Perundangan i Legal Authority Makumat yang dikumpul adalah mengikut peruntukan di bawah Akta Perangkaan 1965 (Disemak - 1989). Seksyen 5 di bawah Akta Inri menghen kanan-anan pertubuhan yang beropersai di Malaysia untuk memberikan maktumat sebenar atau anggaran terbaik kepada Jabatan. Mengikut Aktitanan-andrugan soal selaliki pertubuhan 1 individu yang diterbam adalah SULIT dan tidak boleh dibebahan kepada sesipa atau aman-andangan soal selaliki pertubuhan 1 individu yang diterbam adalah SULIT dan tidak boleh dibebahan kepada sesipa atau aman-andenungan soal selaliki pertubuhan 1 individu yang diterbam adalah SULIT dan tidak boleh dibebahan kepada sesipa atau aman-antermatikan individual yang diserbakan selaliki pertubuhan 1 individual yang diserbakan bahawa responden boleh dikanakan denda sekiranya gember makumat yang diserbakan.
Kuasa Perundangan / Legal Authority Laktumat yang dikumpul adalah mengikut peruntukan di bawah Akta Perangkaan 1985 (Disemak - 1999), Seksyen 5 di bawah Akta ini menghen ana-mana perbuhaha yang berpersari di Malayala uniah memberikan mahlumat sebanar atau anggaran terbasik kepada Jabatan. Mengikut Akta ana-mana perbuhaha yang berpersari di Malayala uniah memberikan mahlumat sebanar atau anggaran terbasik kepada Jabatan. Mengikut Akta ar Jabatan ini. Sementara itu, Seksyen 7 di bawah Akta yang sama menyatakan bahawa responden boleh dikenakan denda sekiranya generikan
laklumat yang dikumpul adalah mengikut peruntukan di bawah Akta Perangkaan 1965 (Disemak - 1995). Seksyen 5 di bawah Akta ini menghen kana-mana pertubuhan yang beropersei di Malayaisa untuk memberikan maklumat sebenar atau anggaran terbaik kepada Jabatan. Mengikut Akta andrugan soal selidik pertubuhan 7 indiriduk jang diterma adalah SULIT dan tidak boleh dibenahkan kepada sesipa atau mama-mana institu kar Jabatan ini. Sementara itu, Seksyen 7 di bawah Akta yang sama menyatakan bahawa responden boleh dikanakan denda sekiranya g emberi maklumat yang diperiukan.
nan-man pertubuhan yang beroperasi di Malaysia untuk memberikan maklumat sebenar atau anggaran terbaik kepada Jabatan. Mengikut Aktan andungan soal selikih pertubuhan 1 individu yang diterma adalah SULIT dan tidak boleh dibebahan kepada sesipa atau man-asu ar Jabatan ini. Sementara itu, Seksyen 7 di bawah Akta yang sama menyatakan bahawa responden boleh dikanakan denda sekiranya g emberi maklumat yang diperiukan.
ar Jabatan ini. Sementara itu, Seksyen 7 di bawah Akta yang sama menyatakan bahawa responden boleh dikenakan denda sekiranya g semberi maklumat yang diperlukan.
semberi maklumat yang diperlukan.
he information is gathered under the provisions of the Statistics Act 1965 (Revised - 1989). Section 5 of this Act requires all establishments operation
falaysia to provide actual information or best estimates to the Department. The Act stipulates that the contents of the establishment / individual returns
ONFIDENTIAL and will not be divulged to any person or institution outside this Department. Meanwhile, Section 7 of the same Act provides a penalty sh
te respondent failed to furnish the required information.
<u>a.</u>
ATO' SRI DR. MOHD UZIR MAHIDIN
ETUA PERANGKAWAN MALAYSIA HIFF STATISTICIAN, MALAYSIA
Plengakuan / Declaration
Penyata ini adalah lengkap dan betul sepanjang pengetahuan dan kepercayaan saya.
This return is complete and correct to the best of my knowledge and belief.
andatangan E-mei
Ignature Email
Telefon
Telephone
lama Laman web

		HAGIAN C: BILANGAI UMBER OF PERSONS			;				
JUMLAH PEKERJA DAN GAJI & UPAH TOTAL NUMBER OF PERSONS ENGAGED	SUKU TAHUN PERTAMA 2021 / FIRST QUARTER 2021 1 Januari - 31 Mac 2021					A 2021 / SECOND QU oril - 30 Jun 2021	ARTER 2021		
AND SALARIES & WAGES	Januari	Januari Februari Mac		1	April	Mei	Jun		
3.1 Jumlah pekerja bulanan Total monthly number of persons engaged									
	F0021a	F0021b	F00	21c	F0022a	F0022b	F0022c		
3.2 Jumlah pekerja (pada akhir suku tahun) Total number of persons engaged (as at end of quarter)									
1 at and at dament		L	F00	21d			F0022d		
3.3 Jika jumlah pekerja suku tahun ini meningkat atau menurun sekurang-									
kurangnya 30% berbanding suku tahun sebelumnya, sila nyatakan sebab.									
If total number of persons engaged for this quarter increased or decreased at least 30% from the previous quarter, please provide reason.	SUKU TAHUN KEDUA 2021 / SECOND QUARTER 2021								
3.4 Jumlah pekerja dan gaji & upah (pada akhir suku tahun) Total number of persons engaged and salaries & wages (as at end of quarter)	Kategori pekerja Category of workers		Lelaki <i>Male</i>	Perempuan Female	Jumlah Total	Total Salar	aji & upah * ries & wages !M)		
			16	17	18	1	19		
	(a) Pemilik yang beker keluarga tidak berg Working proprietors family workers	jaji							
	(b) Pekerja bergaji (se Paid employees (full	penuh masa) I-time) 02							
	(c) Pekerja bergaji (sai Paid employees (pai	mbilan) rt-time) 03							
	(d) Jumlah (a+b+c) Total (a+b+c)	99							









Questionnaire: Monthly Manufacturing Survey



				JPSF	P-04-AK-SPB	i-01-S-001 Pin.2/2017
	PENYIASATAN PEMBUATAN BULANAN		RUJUKAN / RE	FERENCE	105	
رجي	MONTHLY MANUFACTURING SURVEY JABATAN PERANGKAAN MALAYSIA DEPARTMENT OF STATISTICS, MALAYSIA	oltor feurrighoun	BULAN/ MONTH	2017	SULIT SELEI DIIS CONFIDENTI FILLED WIT	I AL WHEN
PEMBUATA	N SUSU PEKAT, TEPUNG DAN SEJAT					
Manufacture	of condensed, powdered and evaporated milk					
If	Jika alamat pos dibawah tidak tepat, sila pinda the mailing address below is incorrect, please amend accordingly			barang pertan or enquiries, ple	yaan sila hubu ease contact:	ngi:
Please	atkan nombor rujukan pertubuhan ini dalam semua surat-men state the reference number of this establishment in all correspondi	lence	levetova pada 40	hh hulan yan	n harikutnuc	
S	ila lengkapkan borang bagi bulan yang berkenaan dan kemba Borang ini juga boleh dilengkapkan mela				g berikutnya.	
	Please complete this form for the reference month of This form also can be completed via	and return by	the 10th of the follow			
ialah untuk n The Departm to collect infor 2. Maklumat ya mana pertub soal selidik y	angkaan Malaysia telah diberikan tanggungjawab untuk menjalar nengumpul maklumat yang diperlukan oleh Kerajaan bagi penggu ent of Slatistos, Malaysia, has been given the responsibility to commission makkon required by the Government for the formulation of economic po ng dikumpul adalah mengikut peruntukan di bawah Akta Perangk uhan yang beroperasi di Malaysia untuk memberikan maklumat si rang diterima adalah kultri dan tidak boleh dihebahkan kepada se	nkan PENYIAS abalan dasar d a the MONTHL'y olicies and plant aan, 1965 (Dis ebenar atau at esiapa atau ma	ATAN PEMBUATAI an perancangan eke ' MANUFACTURING ning . emak - 1989). Seksj nggaran terbaik kep ana-mana institusi d	onomi. SURVEY. The yen 5 dibawah kada Jabatan. M Ii luar Jabatan	main objective of akta ini, menghe Mengikut Akta in ini. Sementara it	f the survey is endaki mana- i, kandungan
The information	ta yang sama memperuntukkan denda kepada responden yang ga on is gathered under the provisions of the Statistics Act, 1968 (Revised il Information or best estimates to the Department. Under the Act, the Institution outside this Department. Meanwhile, Section 7 under the as	d - 1989). Secti contents of the	on 5 of this Act requi	res all establish re CONFIDENT	ments operating i	e divulged to
	RAHAN MENGISI SOAL SELIDIK" yang dikepilkan sebagai pandua he attached "INSTRUCTIONS FOR COMPLETING THE QUESTIONN			form.		
	uan dalam menjayakan Penyiasatan ini amatlah dihargai. ation in ensuring the success of this Survey is very much appreciated.					
KETUA PER	IZIR MAHIDIN IANGKAWAN MALAYSIA FISTICIAN, MALAYSIA	Tarikh / Date	: 14 FEBRUARI 20	017		

Name of establishment: Month:							
(Please provide the informati	on above if	you are	sending via fax or	e-mail)			
QUESTION 4 : EMPLOYMENT AND SALARIES & WAGES FOR			Number of work	43			
THE MONTH		40	41	42			
		Male	Female	Total	Salaries & wages		
Category of workers	-	(1)	(2)	(3) = (1)+(2)	payments, including bonuses, other cash		
 Working proprietors, active business partners and unpaid family workers (all members of family and friends not receiving regular wages). 	01				allowances & overtime payments		
					(RM)		
2. Employees (full-time and part-time).	02						
3. Workers employed through labour contractors.	03						
4. Total [1+2+3]	04						
QUESTION 5a: NUMBER OF DAYS AND SHIFTS DURING THE	E MONTH						
50							
Number of days operated during the month							
Number of shifts in one day							
Number of hours in one shift							
QUESTION 5b: TOTAL OVERTIME MAN-HOURS DURING THE	MONTH						
Total overtime man-hours	Exa	ample:			ach day x 26 days ated for the month)		











adawiah.shabli@dosm.gov.my

THANK YOU







For More Info: www.dosm.gov.my www.mycensus.gov.my













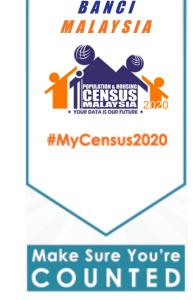


Training Course under the Statistical Capacity Building (StatCab) Programme for the Constituents of the National Statistical Systems of OIC Member Countries

GENERAL BUREAU OF STATISTICS (ABS) OF SURINAME

LABOUR PRODUCTIVITY **Session 2: Labour Productivity per Employment**

Rabi'atul'adawiah Shabli 13 - 15 September 2021 Malaysian Bureau of Labour Statistics (MBLS), Department of Statistics, Malaysia (DOSM)





20 OCT



2016 - 2030











Labour Productivity Estimation







www.dosm.gov.my





www.mycensus.gov.my





General approach of labour productivity estimation

















Quarterly labour productivity estimation is measured using the Single Factor **Productivity** method.

This estimates is based on information of value added with total employment and total hours worked by economic activity.

The value added used at constant prices where it refers to the value of goods and services at 2015 prices.

Total employment refers to the overall number of employees in the reference period.

The methodology of estimating employment data are based on the calibration of household information and information of establishment.

Total hours worked are the aggregate number of hours actually worked during the period in employees and selfemployment jobs.

Labour productivity is derived from the ratio of the value added at constant prices with the total hours worked and total employment.









Recap: what is productivity?





https://www.youtube.com/watch?v=mRxICdUYaCs

Source: U.S. Bureau of Labor Statistics,





Labour Productivity (LP) per Employment









www.dosm.gov.my





www.mycensus.gov.my





Labour productivity per employment





Labour productivity per employment is measured as real value added per employment.

$$LP(E) = \frac{VA}{Emp}$$

LP(E) labour productivity per employment real value added VA number of employment **Emp**

Labour productivity per employment is measured as output (real value added) of goods and services per labour input ratio (number of employment).

Number of employment included persons who worked for pay or profit (or pay in kind).

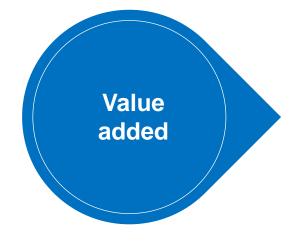
Include persons who were temporarily absent from work due to illness, maternity, holiday, training or labour dispute; and unpaid family workers who worked for at least one hour within a week.



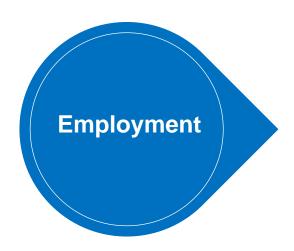


Components of LP per employment





The difference between output and intermediate consumption. It represents the value added of goods and services by economic activity.



All persons who engaged with the production, at any time reference week worked at least one hour for pay, profit or family gain (as an employer, employee, own-account worker or unpaid family worker).

Also considered as persons categorized as:

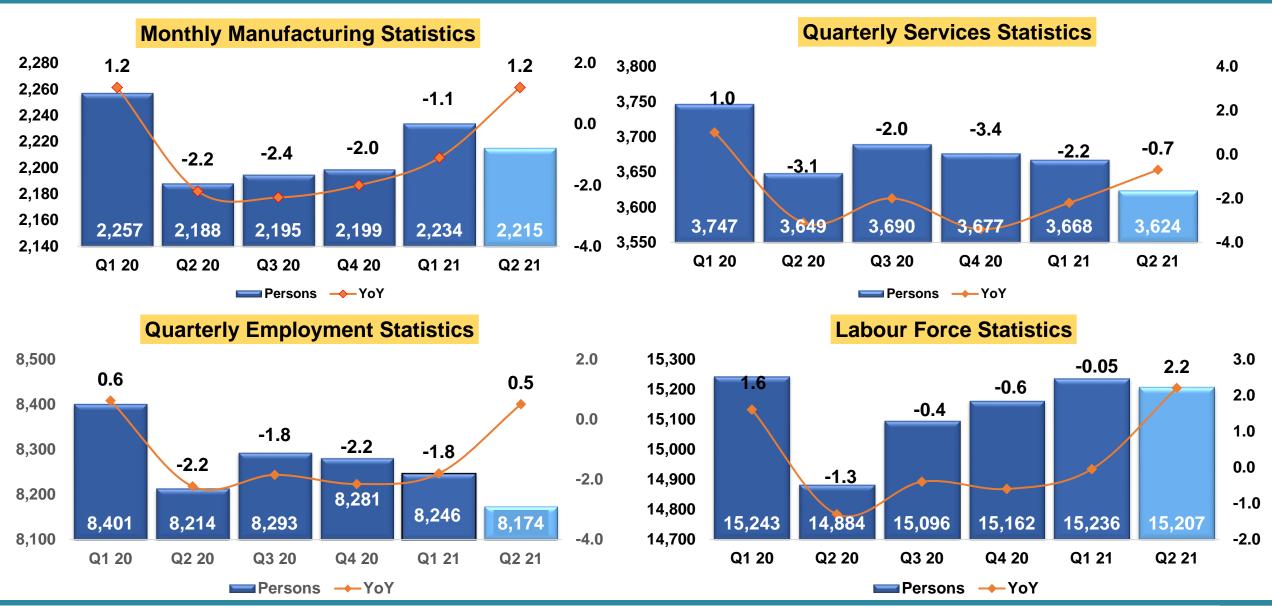
- did not work during the reference week because of illness, injury, disability, bad weather, leave, labour dispute and social or religious reasons but had a job, farm, enterprise or other family enterprise to return to.
- temporary lay-off with pay who would definitely be called back to work.
- worked less than 30 hours during the reference week because of the nature of their work or due to insufficient work and are able and willing to accept additional hours of work are considered underemployed.





Employment indicator









Panel data analysis





Labour productivity per employment is measured as real value added per employment.

$$LP(E) = \frac{VA}{Emp}$$

LP(E) labour productivity

per employment

real value added VA

number of employment **Emp**

What?

- 1. A type of longitudinal data where those data are collected at different points of time.
- 2. The type of longitudinal data used is the time series data.

Why?

- 1. Provide information on each establishment over time by time series dimensions.
- 2. This approach are observed in all time periods that can describe changes over time.

Advantages?

- Contains more information, more variability, and more efficiency.
- Can detect and measure statistical effects.
- 3. Can minimise the estimation biases that may arise from aggregating groups into a single time series.





Pairing Data Analysis





Labour productivity per employment is measured as real value added per employment.

$$LP(E) = \frac{VA}{Emp}$$

LP(E) labour productivity per employment VA real value added number of employment **Emp**

- 1. The analysis of a quantitative outcome based on paired samples in which matched couplings occur.
- 2. Each data set has the same number of data points.
- 3. Both of these data values must be attached or linked to one another and not considered separately.
- 4. This generates a data set in which each data point in one sample is uniquely paired to a data point in the second sample.
- 5. This method is to compare variables for overall establishment from the survey to draw any conclusion about the observed correlation.



Single Linear Regression (SLR)





Simple Linear Regression

The SLR model can be written as:

$$Y = B_o + B_1 X_n + \varepsilon$$

Where

- Y dependent variable
- X independant variable
- n reference period
- E error term

- 1. Ordinary Least Squares regression is commonly called as single/multiple linear regression.
- 1. Simple linear regression is a statistical method used to find out and study the best relationship between two continuous variables.
- 2. This method allows to estimate how a dependent variable changes as the independent variable change over time.
- 3. If the relationship between variable X and variable Y is strong and linear, then we conclude that particular independent variable is the effective input variable to predict dependent variable.





Estimation of employment





- Calibration between various employment sources namely from:
 - household approach;
 - establishment approach; and
 - administrative record
- 2. Using of Single linear regression
- 3. Estimation by economic activity

- 1. Based on census and surveys data as well as administrative data from various agencies.
- Include quarterly and annual estimates that covering number of employment by economic activities.
- 3. Using extrapolation methods.
- Using a bottom-up approach.
- Total employment is the sum of the employment estimates of all economic activity.
- Total employment for the reference quarter are based on the total employed persons published by Quarterly Report of Labour Force Survey.
- 7. Annual number of employment is derived from average of four quarters in the particular year.





Calculation of LP per employment





Labour productivity per employment is measured as real value added per employment.

$$LP(E) = \frac{VA}{Emp}$$

LP(E) labour productivity per employment VA real value added **Emp** total employment

Example: Labour Productivity per Employment

In Q1 2021, value added for Manufacturing sector was RM85.2 billion while total employment 2.3 million persons. Calculation of labour productivity per employment is as follows:

$$LP(E)_{Q121} = \frac{VA}{EMP}$$

$$LP(E)_{Q121} = \frac{RM 85.2 \text{ billion}}{2.3 \text{ million persons}}$$

$$LP(E)_{0121} = RM37,043 \text{ per person}$$

Based on the calculation, labour productivity per employment Manufacturing sector in Q1 2021 was RM37,043 per person. In other word, each employee in this sector produced RM37,043 value added in Q1 2021.





adawiah.shabli@dosm.gov.my

THANK YOU







For More Info: www.dosm.gov.my www.mycensus.gov.my













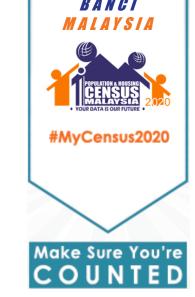


Training Course under the Statistical Capacity Building (StatCab)
Programme for the Constituents of the
National Statistical Systems of OIC Member Countries

GENERAL BUREAU OF STATISTICS (ABS) OF SURINAME

LABOUR PRODUCTIVITY Session 3: Labour Productivity per Hour Worked

Rabi'atul'adawiah Shabli 13 - 15 September 2021 Malaysian Bureau of Labour Statistics (MBLS), Department of Statistics, Malaysia (DOSM)





20 OCT



2016 - 2030











www.mycensus.gov.my

Labour Productivity per Hour Worked







www.dosm.gov.my





www.mycensus.gov.my





Concepts





Labour productivity per hour worked is the most appropriate **Single Factor**

- Labour productivity per hour worked is defined as the ratio of output (goods and services) to input (total working hours).
- Labour productivity by number of working hours reflects the amount of output produced within an hour based on the category of employees either in full time, part time or self-employed.
- The most appropriate single factor productivity input measurement is based on the number of hours worked.
- Average hours worked is defined as the total number of hours worked divided by the number of people in employment.
- Total hours worked for all employment during the reference period are the aggregate number of hours actually worked for a quarter.





Productivity





Components of LP per hour worked





Refers to the number of workers did not work (because of illness, injury, disability, bad weather, leave, labour dispute and social or religious reasons) during the reference period.



It is defined as the difference between total employment and employment leave. It also refers to the overall number of employees at the end of the reference period excluding the employees who did not work during the reference period because of illness, injury, disability, bad weather, leave, labour dispute and social or religion reason.



Defined as the number of hours worked per the number of people in employment. This employment refers to the employment hours worked or the overall number of employees at the end of the reference period.



Total hours worked is the result of multiplying average hours worked with the employment hours worked. It is defined as the aggregate number of hours actually worked during the reference period.







International definition of hours actually worked



International Definition of Hours Actually Worked, 10th ICLS (1962) - ILO

Box 1. International definition of hours actually worked, 10th ICLS (1962)

Statistics of hours actually worked should include --

- 1. hours actually worked during normal periods of work;
- 2. time worked in addition to hours worked during normal periods of work, and generally paid at higher rates than normal rates (overtime);
- 3. time spent at the place of work on work such as the preparation of the workplace, repairs and maintenance, preparation and cleaning of tools and the preparation of receipts, time sheets and reports;
- time spent at the place of work waiting or standing-by for such reasons as lack of 4. supply of work, breakdown of machinery, or accidents, or time spent at the place of work during which no work is done but for which payment is made under a quaranteed employment contract;
- 5. time corresponding to short rest periods at the workplace, including tea and coffee breaks.

Statistics of hours actually worked should exclude --

- hours paid for but not worked, such as paid annual leave, paid public holidays, 1. paid sick leave;
- meal breaks: 2.
- 3. time spent on travel from home to work and vice versa.

ILO (2000)









What is average hours worked (AHW)?





AHW is defined as the total number of hours worked during the reference period divided by the number of employment hours worked engaged in the production.

Head-counts the number of employment will hide changes in average hours worked.

Include:

- ✓ Normal periods of work;
- ✓ All types of employment by status of employment;
- ✓ Paid and unpaid overtime;
- ✓ Time spent for additional jobs;
- ✓ Time spent at the place of work on work; and
- ✓ Time corresponding to short rest periods at the workplace

Exclude:

- Meal breaks longer than 30 minutes;
- Time not worked because of public holidays
- Annual paid leave
- Own illness
- Injury and temporary disability
- Maternity leave
- Parental leave
- Schooling or training
- Slack work for technical or economic reasons
- Strike or labour dispute
- Bad weather
- Compensation leave and other reasons
- Time spent on travel from home to work and vice versa









How is average hours worked (AHW) estimated?





AHW is defined as the total number of hours worked during the reference period divided by the number of employment hours worked engaged in the production.

Head-counts the number of employment will hide changes in average hours worked.

- 1. Determine the number of employment who worked during the reference period.
- 2. Determine the total hours worked for the number of employment who worked during the reference period.
- 3. AHW by economic activity is obtained by dividing (2) with (1).
- 4. Verify the time series of AHW by economic activity.
- 5. If outliers of AHW by economic activity are found, there is a need for compiler to identify the outliers in raw database of LFS.
- 6. Re-estimate the AHW based on identified outliers from the raw data.





How is total hours worked calculated?





TOTAL HOURS WORKED

 $THW = AHW \times EMP (HW)$

THW **AHW EMP** (HW) total hours worked average hours worked employment hours worked

- Employment by economic activity must be minus with the employment leave during the reference period, which is at the quarterly basis.
- Employment leave is obtained from Labour Force Statistics Survey.
- Employment hours worked is obtained from the employment by economic activity deducted from employment leave.
- 4. As the average hours worked reported by Labour Force Survey Statistics is reported by weekly basis, the average hours worked for the reference period must be multiplied by 13 weeks during the quarter.
- 5. Total hours worked by economic activity is obtained by multiplying average hours work with employment hours worked.





Steps to estimate total hours worked



Steps to estimate total hours worked for hospital activities in Q2 2021

No.	Step	Calculation
1.	Determine the number of Employment Hours Worked in hospital activities.	There are 55,000 number of employment in Q2 2021.
2.	Determine the average hours worked per week for hospital activities for the reference period.	Average hours worked was 45.0 hours per week.
3.	Derive the average hours worked for the reference period, which is at quarterly basis.	Average hours worked for Q2 2021 = 45.0 X 13 weeks = 585.0 hours per quarter
4.	Derive total hours worked for reference period by multiplying the number of Employment Hours Worked in hospital activities with average hours worked for the reference period.	Total hours worked per quarter = Employment Hours Worked X Average hours worked per quarter = 55,000 X 585.0 = 32,175,000 hours





Calculation of LP per hour worked





Labour productivity per hour worked is measured as real value added per total hours worked.

$$LP(HW) = \frac{VA}{THW}$$

labour productivity LP(HW)

per hour worked

VA real value added

THW total hours worked

Example: Labour Productivity per Hour Worked

In the first quarter of 2021 (Q1 2021), value added for Manufacturing sector was RM85.3 billion while total hours worked was 1.7 billion hours. Calculation of labour productivity per hour worked is as follows:

$$LP(HW)_{Q121} = \frac{VA_{Q121}}{THW_{Q121}}$$

$$LP(HW)_{Q121} = \frac{RM85.3 \text{ billion}}{1.7 \text{ billion hours}}$$

$$LP(HW)_{Q121} = RM50.2 \text{ per hour}$$

Based on the calculation, labour productivity per hour worked for Manufacturing sector in Q1 2021 was RM50.2 per hour (each hour worked in this sector can produced RM50.2 value added during the quarter).





Exercises



Labour productivity per employment

Labour productivity per hour worked

SECTOR		VA	ЕМР			
SECTOR	Q220	Q121	Q221	Q220	Q121	Q221
Total	289,745	343,014	336,345	14,884	15,237	15,207
Agriculture	24,493	22,631	24,130	1,852	1,870	1,886
Mining & Quarrying	21,070	24,110	23,992	75	74	74
Manufacturing	64,508	81,779	81,699	2,506	2,604	2,577
Construction	8,976	13,797	12,589	1,364	1,391	1,390
Services	167,453	196,701	189,890	9,087	9,298	9,279

OF OTO D		VA	AHW				
SECTOR	Q220	Q121	Q221	Q220	Q121	Q221	
Total	289,745	343,014	336,345	44.2	44.4	44.3	
Agriculture	24,493	22,631	24,130	38.9	39.1	39.4	
Mining & Quarrying	21,070	24,110	23,992	41.5	41.3	41.4	
Manufacturing	64,508	81,779	81,699	44.5	44.2	43.9	
Construction	8,976	13,797	12,589	46.7	47.1	46.9	
Services	167,453	196,701	189,890	45.4	45.2	45.9	

Let's test your understanding. Please compute the labour productivity per employment and labour productivity per hour worked in terms of level, year-on-year growth and quarter-on-quarter growth for Q221.

Do email me the answer at adawiah.shabli@dosm.gov.my

Source: Department of Statistics, Malaysia







adawiah.shabli@dosm.gov.my

THANK YOU







For More Info: www.dosm.gov.my www.mycensus.gov.my















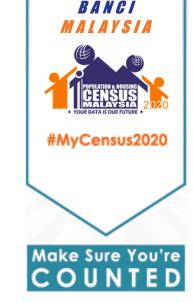
Training Course under the Statistical Capacity Building (StatCab) Programme for the Constituents of the National Statistical Systems of OIC Member Countries

GENERAL BUREAU OF STATISTICS (ABS) OF SURINAME

LABOUR PRODUCTIVITY **Session 4: Performance & Data Dissemination**

Rabi'atul'adawiah Shabli 13 - 15 September 2021 Malaysian Bureau of Labour Statistics (MBLS), Department of Statistics, Malaysia (DOSM)

www.dosm.gov.my





20 OCT



2016 - 2030











Labour Productivity Performance in Malaysia









www.dosm.gov.my





www.mycensus.gov.my

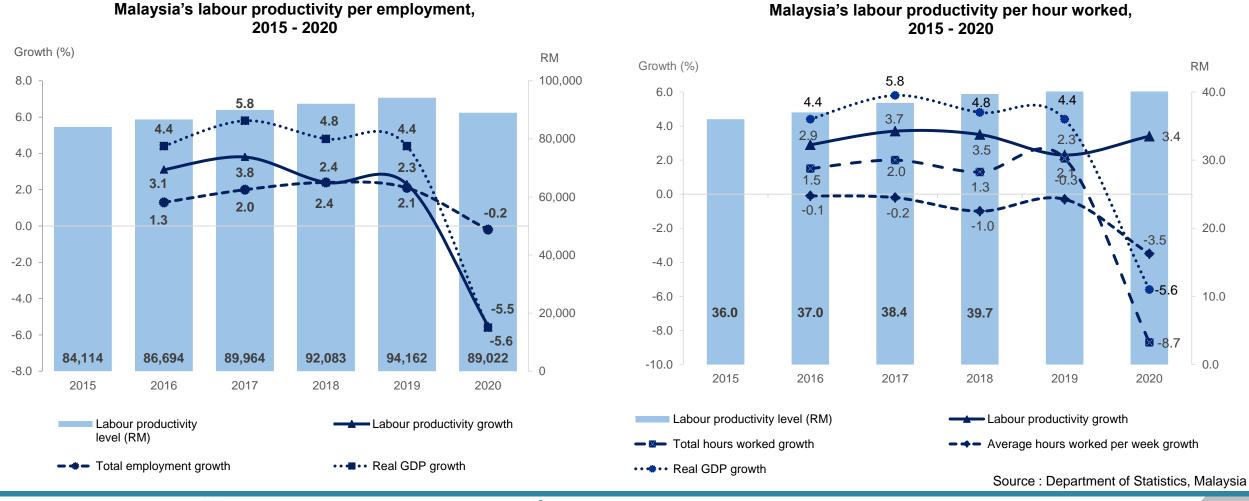




Labour productivity and economic growth



Labour productivity measured by value added per employment and value added per hour worked.







Productivity: international comparisons



Labour productivity per hour worked

World ranking

Faanamy	Ra	nk
Economy	2020	2019
Luxembourg	1	1
Norway	2	2
Denmark	3	4
Belgium	5	5
Switzerland	5	6
Russian Federation	56	56
Bulgaria	56	55
Malaysia	57	57
Costa Rica	58	60
Gabon	59	59

Rank among ASEAN countries

Foonemy	Ra	nk
Economy	2020	2019
Singapore	15	15
Malaysia	57	57
Thailand	83	84
Indonesia	91	91
Phillipines	93	95
Vietnam	99	100
Myanmar	116	120
Cambodia	125	124

Labour productivity per employment

World ranking

Foonomy	Ra	Rank				
Economy	2020	2019				
Luxembourg	1	1				
Singapore	2	2				
Ireland	3	3				
United States	4	4				
Kuwait	5	5				
•						
		•				
Bosnia & Herzegovina	49	48				
Chile	50	54				
Malaysia	51	49				
Gabon	52	51				
Russian Federation	53	53				

Rank among ASEAN countries

Faanamy	Ra	nk
Economy	2020	2019
Singapore	2	2
Malaysia	51	49
Thailand	80	79
Indonesia	92	92
Phillipines	94	95
Vietnam	98	100
Myanmar	112	117
Cambodia	121	121

Source: The Conference Board Total Economy Database™, 2021











Global Competitiveness Index (GCI)



2. GCI ranking by top 30 countries

1. Global Competitiveness Index (GCI) captures the determinants of long-term growth.

Provides a detailed map of the factors and attributes that drive productivity, growth and human development in the era of the Fourth Industrial Revolution

The 2019 edition covers 141 economies, which account for 99% of the world's GDP

It is a product of an aggregation of 103 individual indicators and it is organized into 12 pillars

_	(GCI Rank				
Economy	2019	2018	2017			
Singapore	1	3	2			
United States	2	2	3			
Hong Kong SAR	3	6	9			
Netherlands	4	4	4			
Switzerland	5	1	1			
Ireland	24	24	23			
United Arab Emirates	25	17	16			
Iceland	26	28	27			
Malaysia	27	23	25			
China	28	27	28			
Qatar	29	25	18			
Italy	30	43	44			

3. GCI ranking by **ASEAN** countries

Foonomy	GCI Rank						
Economy	2019	2018	2017				
Singapore	1	3	2				
Malaysia	27	23	25				
Thailand	40	32	34				
Indonesia	50	36	41				
Brunei Darussalam	56	58	58				
Phillipines	64	56	57				
Vietnam	67	55	60				
Cambodia	105	94	89				
Lao PDR	113	98	93				

Source: The Global Competitiveness Report 2019











National Target: Midterm Review of Eleventh Malaysia Plan

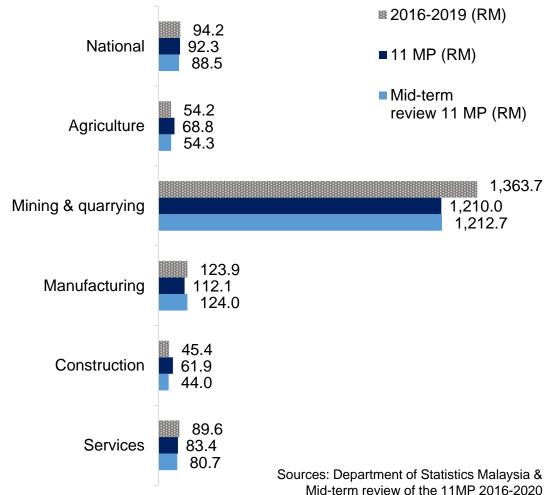


Midterm Review of Eleventh Malaysia Plan:

Labour productivity growth target 2020

	%	11 Malaysia Plan (MP)		erformance 2016-2019
(*	National	3.7	3.2	2.8
7	Agriculture	3.6	0.2	0.8
	Mining & quarrying	1.1	4.2	-0.4
	Manufacturing	2.6	3.9	2.6
	Construction	9.6	4.3	4.6
\$	Services	4.1	3.9	3.6

Labour Productivity Target by Economic Activity







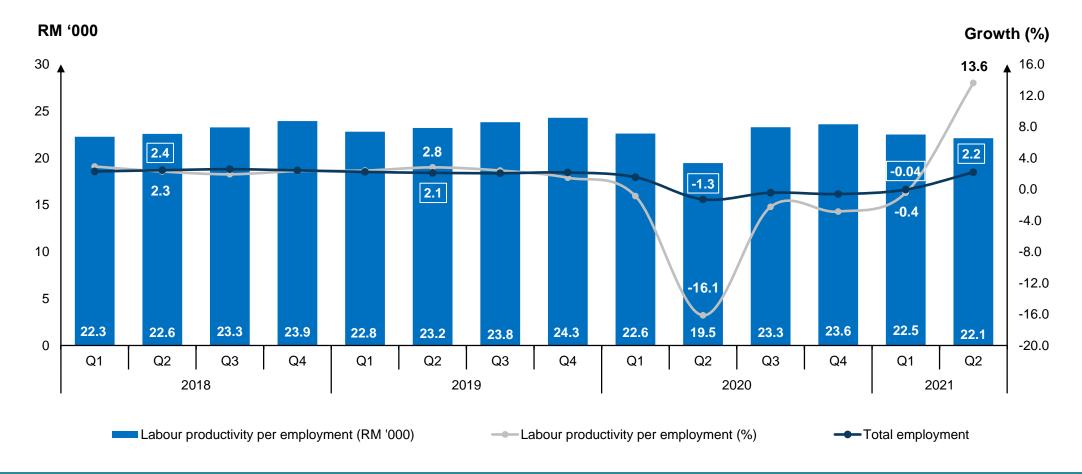




Labour productivity per employment



Labour productivity expressed as the ratio of value added per employment rebounded to 13.6 per cent in this quarter (Q1 2021: -0.4%) while employment improved 2.2 per cent as compared to negative 0.04 per cent in Q1 2021.







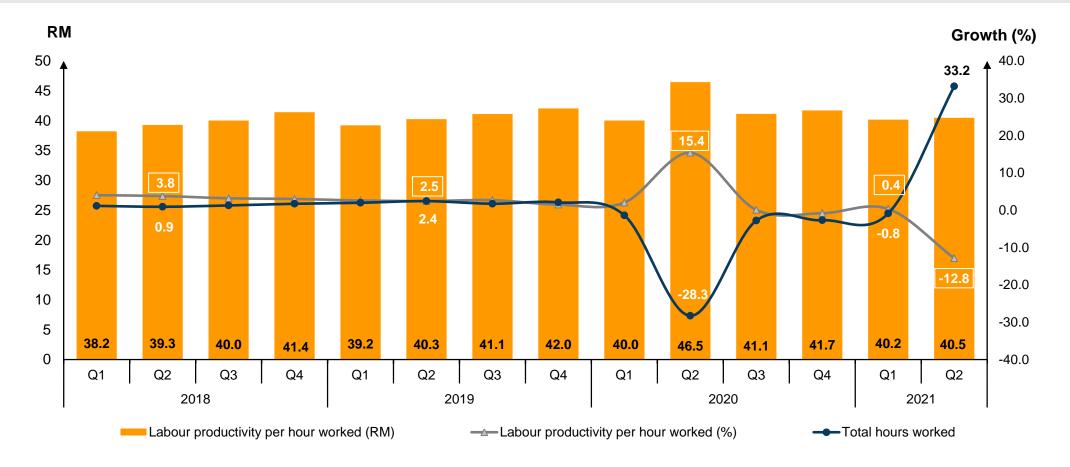




Labour productivity per hour worked



In the second quarter of 2021, Malaysia's labour productivity as measured by value added per hour worked fell by 12.8 per cent (Q1 2021: 0.4%). During this quarter, Malaysia's Gross Domestic Product surged 16.1 per cent from negative 0.5 per cent in previous quarter while hours worked increased 33.2 per cent (Q1 2021: -0.8%).







Labour productivity by 5 main sectors



SEKTOR	VA		ЕМР		LPEMP		THW		LPHW						
SEKTOR	Q220	Q121	Q221	Q220	Q121	Q221	Q220	Q121	Q221	Q220	Q121	Q221	Q220	Q121	Q221
Total	-17.2	-0.5	16.1	-1.3	-0.04	2.2	-16.1	-0.4	13.6	-28.3	-0.8	33.2	15.4	0.4	-12.8
Agriculture	0.9	0.2	-1.5	-0.5	-0.7	1.8	1.5	0.9	-3.3	-13.1	0.8	16.7	16.1	-0.7	-15.6
Mining & Quarrying	-20.8	-5.0	13.9	-3.5	-0.8	-0.2	-17.9	-4.2	14.1	-25.1	-2.5	22.6	5.8	-2.6	-7.1
Manufacturing	-18.3	6.6	26.6	-1.3	1.1	2.8	-17.3	5.5	23.2	-29.1	-1.4	32.3	15.2	8.1	-4.2
Construction	-44.5	-10.4	40.3	-6.3	-2.4	1.9	-40.7	-8.2	37.6	-42.7	-1.9	52.2	-3.1	-8.6	-7.8
Services	16.2	-2.3	13.4	-0.6	0.1	2.1	-15.7	-2.4	11.0	-28.5	-0.8	34.8	17.1	-1.5	-15.9

VA: Value Added EMP : Employment **LPEMP**: Labour Productivity per Employment

THW: Total Hours Worked LPHW: Labour Productivity per Hours Worked











Performance by 9 priority sub-sectors (Nexus)



1.	In 2017, to further boost growth in productivity, the Malaysia Productivity Blueprint (MPB)
	was launched in May, that highlighted the need for productivity to be addressed holistically at all levels to ensure a systemic change across economy.

2.	9 priority subsectors have been
	established; 5 on services, 3 on
	manufacturing and 1 on the
	agriculture sector.

9 Priority Sub-sectors		per ment (%)	LP per Hour Worked (%)			
	2020	2019	2020	2019		
Total	-5.1	1.8	4.6	2.2		
Agro-Food	0.2	2.4	5.2	1.6		
Chemicals and Chemical Products	-4.0	-2.1	2.2	0.3		
Machinery and Equipment	-2.5	0.7	6.7	2.6		
Electrical and Electronics	4.0	1.3	16.0	2.8		
Retail and Food & Beverage	-10.7	3.3	-1.5	3.7		
Tourism	-49.8	5.4	-39.1	4.9		
ICT	2.8	1.0	12.3	2.1		
Professional Services	-10.1	6.1	0.9	5.9		
Private Healthcare	-8.3	2.1	-2.4	2.7		

Source: Department of Statistics, Malaysia

Labour Productivity Dissemination







www.dosm.gov.my





www.mycensus.gov.my

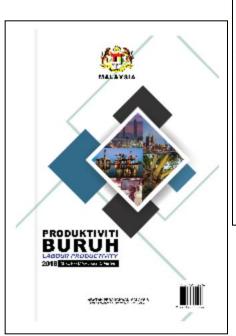


Quarterly publication



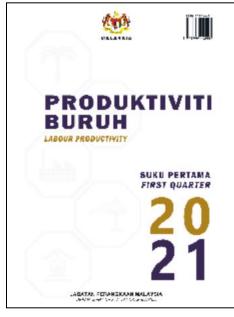
Labour productivity was first published by the Department of Statistics, Malaysia on 22 November 2017

















Components published



Produktiviti buruh tahunan, nilai ditambah per jam bekerja mengikut aktiviti ekonomi, 2015 - 2020

Annual labour productivity, value added per hour worked by economic activity. 2015 - 2020

Produktiviti buruh tahunan, nilai ditambah per jam bekerja mengikut aktiviti ekonomi, 2016 - 2020: Perubahan peratusan tahunan

Annual labour productivity, value added per hour worked by economic activity, 2016 - 2020: Annual percentage change

Produktiviti buruh tahunan, nilai ditambah per pekerja mengikut aktiviti ekonomi, 2015 - 2020

Annual labour productivity, value added per employment by economic activity,

Produktiviti buruh tahunan, nilai ditambah per pekerja mengikut aktiviti ekonomi, 2016 - 2020: Perubahan peratusan tahunan

Annual labour productivity, value added per employment by economic activity, 2016 - 2020: Annual percentage change

Produktiviti buruh tahunan, nilai ditambah per jam bekerja mengikut 9 subsektor keutamaan, 2017- 2020

Annual labour productivity, value added per hour worked by 9 priority sub-sectors, 2017 - 2020

Produktiviti buruh tahunan, nilai ditambah per jam bekerja mengikut 9 subsektor keutamaan, 2017- 2020: Perubahan peratusan tahunan

Annual labour productivity, value added per hour worked by 9 priority sub-sectors, 2017 - 2020: Annual percentage change

Produktiviti buruh tahunan, nilai ditambah per pekerja mengikut 9 subsektor keutamaan, 2017- 2020

Annual labour productivity, value added per employment by 9 priority sub-sectors, 2017 - 2020

Produktiviti buruh tahunan, nilai ditambah per pekerja mengikut 9 subsektor keutamaan, 2017- 2020: Perubahan peratusan tahunan

Annual labour productivity, value added per employment by 9 priority sub-sectors, 2017 - 2020: Annual percentage change

Produktiviti buruh suku tahunan, nilai ditambah per jam bekerja mengikut aktiviti ekonomi, ST1 2017 - ST2 2021

Quarterly labour productivity, value added per hour worked by economic activity, Q1 2017 - Q2 2021

Produktiviti buruh suku tahunan, nilai ditambah per jam bekerja mengikut aktiviti ekonomi, ST1 2017 - ST2 2021; Perubahan peratusan dari suku tahun yang sama tahun sebelumnya

Quarterly labour productivity, value added per hour worked by economic activity, Q1 2017 - Q2 2021: Percentage change from corresponding quarter of preceding year

Produktiviti buruh suku tahunan, nilai ditambah per pekerja mengikut aktiviti ekonomi, ST1 2017 - ST2 2021

Quarterly labour productivity, value added per employment by economic activity, Q1 2017 - Q2 2021

Produktiviti buruh suku tahunan, nilai ditambah per pekerja mengikut aktiviti ekonomi, ST1 2017 - ST2 2021: Perubahan peratusan dari suku tahun yang sama tahun sebelumnya

Quarterly labour productivity, value added per employment by economic activity. Q1 2017 - Q2 2021: Percentage change from corresponding guarter of preceding year

Keluaran Dalam Negeri Kasar (KDNK) tahunan mengikut aktiviti ekonomi pada harga malar 2015, 2015 - 2020

Annual Gross Domestic Product (GDP) by economic activity at constant 2015 prices, 2015 - 2020

Keluaran Dalam Negeri Kasar (KDNK) tahunan mengikut aktiviti ekonomi pada harga malar 2015, 2016 - 2020; Perubahan peratusan tahunan

Annual Gross Domestic Product (GDP) by economic activity at constant 2015 prices, 2016 - 2020: Annual percentage change 2015 - 2020

Keluaran Dalam Negeri Kasar (KDNK) suku tahunan mengikut aktiviti ekonomi pada harga malar 2015, ST1 2017 - ST2 2021

Quarterly Gross Domestic Product (GDP) by economic activity at constant 2015 prices, Q1 2017 - Q2 2021

Keluaran Dalam Negeri Kasar (KDNK) suku tahunan mengikut aktiviti ekonomi pada harga malar 2015, ST1 2017 - ST2 2021: Perubahan peratusan dari suku tahun yang sama tahun sebelumnya

Quarterly Gross Domestic Product (GDP) by economic activity at constant 2015 prices, Q1 2017 - Q2 2021: Percentage change from corresponding quarter of preceding year Jumlah jam bekerja tahunan megikut aktiviti ekonomi, 2015 - 2020

Annual total hours worked by economic activity, 2015 - 2020

Jumlah jam bekerja tahunan mengikut aktiviti ekonomi, 2016 - 2020: Perubahan peratusan tahunan

Annual total hours worked by economic activity, 2016 - 2020; Annual percentage change

Jumlah jam bekerja suku tahunan mengikut aktiviti ekonomi, ST1 2017 - ST2 2021 Quarterly total hours worked by economic activity, Q1 2017 - Q2 2021

Jumlah jam bekerja suku tahunan mengikut aktiviti ekonomi, ST1 2017 - ST2 2021: Perubahan peratusan dari suku tahun yang sama tahun sebelumnya

Quarterly total hours worked by economic activity, Q1 2017 - Q2 2021: Percentage change from corresponding quarter of preceding year

Pekerja tahunan mengikut aktiviti ekonomi, 2015 - 2020 Annual employment by economic activity, 2015 - 2020

Pekerja tahunan mengikut aktiviti ekonomi, 2016 - 2020: Perubahan peratusan tahunan

Annual employment by economic activity, 2016 - 2020: Annual percentage change

Pekerja suku tahunan mengikut aktiviti ekonomi, ST1 2017 - ST2 2021 Quarterly employment by economic activity, Q1 2017 - Q2 2021

Pekeria suku tahunan mengikut aktiviti ekonomi, ST1 2017 - ST2 2021: Perubahan peratusan dari suku tahun yang sama tahun sebelumnya

Quarterly employment by economic activity, Q1 2017 - Q2 2021: Percentage change from corresponding quarter of preceding year





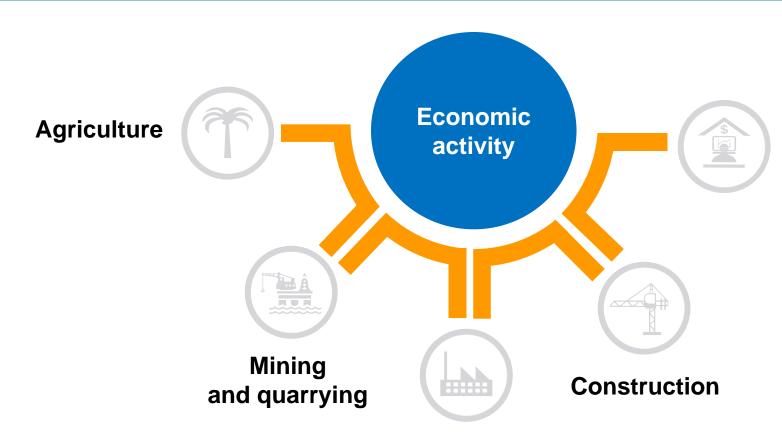






Level of dissemination





Services

- Utilities
- Wholesale and retail trade
- Food & beverages and accommodation
- Transportation and storage
- Information and communication
- Finance and insurance
- Real estate and business services
- Other services

- Vegetable and animal oils & fats and food processing
- Beverages and tobacco products
- Textiles, wearing apparel and leather products
- Wood products, furniture, paper products and printing

Manufacturing

- Petroleum, chemical, rubber and plastic products
- Non-metallic mineral products, basic metal and fabricated metal products
- Electrical, electronic and optical products
- Transport equipment, other manufacturing and repair







Level of dissemination (cont'd)



Level

Produktiviti buruh tahunan, nilai ditambah per jam bekerja mengikut aktiviti ekonomi, 2015 - 2020 Annual labour productivity, value added per hour worked by economic activity, 2015 - 2020								
		Aktiviti ekonomi Economic activity	2015	2016	2017	2018	2019*	2020°
1.		tanian riculture	25.2	25.1	25.6	25.7	25.8	26.3
2.	Perfembences des sensitivaries		541.2	553.6	540.2	558.3	556.3	549.1
3.		mbuatan nufacturing	45.5	47.2	48.9	50.5	51.7	55.3
	3.1	Minyak dan lemak daripada sayuran & haiwan dan prosesan makanan Vegetable and animal oils & fats and food processing	29.3	27.8	30.0	30.9	30.4	32.7
	3.2	Minuman dan produk tembakau Beverages and tobacco products	174.6	188.2	190.6	185.6	187.4	184.1
	3.3	Produk tekstil, pakaian dan kulit Textiles, wearing apparel and leather products	11.2	11.4	12.3	12.0	12.1	10.8
	3.4	Produk kayu, perabot, keluaran kertas dan percetakan Wood products, furniture, paper products and printing	22.2	24.1	25.8	26.6	28.3	30.8
	3.5	Produk petroleum, kimia, getah dan plastik Petroleum, chemical, rubber and plastic products	81.7	84.6	85.2	87.3	90.7	95.4
	3.6	Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products	38.5	39.5	38.7	40.6	41.7	40.4
	3.7	Produk elektrik, elektronik dan optikal Electrical, electronic and optical products	52.7	56.2	59.3	62.0	63.6	72.5
	3.8	Peralatan pengangkutan, pembuatan lain dan pembaikan Transport equipment, other manufacturing and repair	52.9	56.4	58.4	61.3	64.7	72.4
4.	Pambinaan		15.1	16.5	17.6	18.3	19.0	18.0
5.		khidmatan vices	33.5	34.3	35.7	37.5	38.6	39.8
	5.1	Utilities	137.5	139.8	147.0	151.7	156.8	167.8
	5.2	Perdagangan borong dan runcit Wholesale and retail trade	35.3	35.2	36.2	38.3	39.8	40.9
	5.3	Makanan & minuman dan penginapan Food & beverages and accommodation	11.7	12.2	12.7	12.9	13.1	10.9
	5.4	Pengangkutan dan penyimpanan Transportation and storage	34.7	35.0	37.3	39.0	40.6	36.1
	5.5	Maklumat dan komunikasi Information and communication	128.1	139.5	140.6	148.5	151.7	170.3
	5.6	Kewangan dan insurans Finance and insurance	96.7	99.5	101.6	105.3	108.1	119.5
	5.7	Hartanah dan perkhidmatan perniagaan Real estate and business services	21.4	22.0	23.0	24.3	25.5	23.7
	5.8	Perkhidmatan lain Other services	27.3	28.3	30.3	32.5	33.3	35.0
		duktiviti buruh bour productivity	36.0	37.0	38.4	39.7	40.7	42.0

Percentage change

	Aktiviti ekonomi Economic activity	2016	2017	2018	2019*	2020
1.	Pertanian Agriculture	-0.3	1.7	0.7	0.2	1.9
2.	Perlombongan dan pengkuarian Mining and quarrying	2.3	-2.4	3.3	-0.4	-1.3
3.	Pembuatan Manufacturing	3.6	3.6	3.3	2.5	7.0
	3.1 Minyak dan lemak daripada sayuran & haiwan dan prosesan makanan Vegetable and animal oils & fats and food processing	-5.2	8.1	2.8	-1.5	7.5
	3.2 Minuman dan produk tembakau Beverages and tobacco products	7.8	1.3	-2.6	1.0	-1.8
	Produk tekstil, pakaian dan kulit 3.3 Textiles, wearing apparel and leather products	2.2	7.5	-2.3	1.1	-10.
	3.4 Produk kayu, perabot, keluaran kertas dan percetakan Wood products, furniture, paper products and printing	8.7	7.1	3.3	6.4	8.6
	3.5 Produk petroleum, kimia, getah dan plastik Petroleum, chemical, rubber and plastic products	3.6	0.6	2.5	3.8	5.2
	3.6 Produk mineral bukan logam, logam asas dan produk logam yang direk: Non-metallic mineral products, basic metal and fabricated metal product		-2.0	4.8	2.8	-3.2
	3.7 Produk elektrik, elektronik dan optikal Electrical, electronic and optical products	6.7	5.5	4.6	2.5	14.0
	Peralatan pengangkutan, pembuatan lain dan pembaikan Transport equipment, other manufacturing and repair	6.7	3.6	4.9	5.6	11.0
4.	Pembinaan Construction	9.4	6.7	3.8	3.8	-5.1
5.	Perkhidmatan Services	2.3	4.3	5.0	2.8	3.2
	5.1 Utiliti Utilities	1.7	5.2	3.2	3.4	7.0
	5.2 Perdagangan borong dan runcit Wholesale and retail trade	-0.2	2.7	5.8	4.1	2.7
	5.3 Makanan & minuman dan penginapan Food & beverages and accommodation	4.5	3.5	2.0	1.5	-17.
	Pengangkutan dan penyimpanan 7.4 Transportation and storage	0.8	6.6	4.3	4.3	-11.
	5.5 Maklumat dan komunikasi Information and communication	8.9	0.8	5.6	2.1	12.
	5.6 Kewangan dan insurans Finance and insurance	3.0	2.0	3.7	2.7	10.
	5.7 Hartanah dan perkhidmatan perniagaan Real estate and business services	2.7	4.6	5.6	5.2	-7.4
	5.8 Perkhidmatan lain 6.8 Other services	3.7	6.9	7.1	2.5	5.3







Data dissemination



Press Statement

Infographic

Stats Alert



Embargo: Only to be published or disseminated at 1200 hour, Wednesday, 18th August 2021



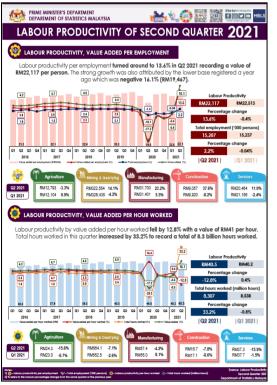
MEDIA STATEMENT FOR LABOUR PRODUCTIVITY, SECOND QUARTER OF 2021

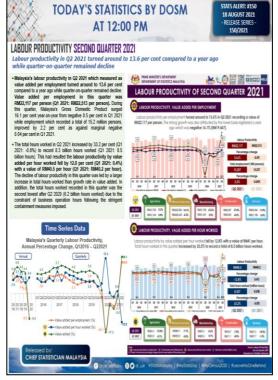
Labour productivity in Q2 2021 turned around to 13.6 per cent compared to a year ago while quarter-on-quarter remained decline

PUTRAJAYA, 18 AUGUST 2021 - Malaysia's labour productivity for second quarter of 2021 which measured as value added per employment turned around to 13.6 per cent compared to a year ago while quarter-on-quarter remained decline, the Department of Statistics, Malaysia (DOSM) reported today on the performance of Malaysia's labour productivity. The statistics is published in the report of LABOUR PRODUCTIVITY, SECOND QUARTER 2021 which presents statistics on labour productivity by economic activity, expressed as value added per employment and value added ner hour worked

According to the Chief Statistician Malaysia, Dato' Sri Dr. Mohd Uzir Mahidin, "After five consecutive quarters on the declining trends. Malaysia's labour productivity which measured as value added per employment rebounded to 13.6 per cent (Q1 2021: -0.4%) with a value of RM22,117 per person (Q1 2021: RM22,513 per person). The strong growth was also attributed by the lower base registered a year ago which was negative 16.1 per cent (RM19,467 per person). However, in comparisons with the preceding quarter, the labour productivity declined for the second quarter recording a smaller negative of 1.8 per cent (Q1 2021: -4.6%). During this quarter, Malaysia's Gross Domestic Product surged 16.1 per cent year-on-year from negative 0.5 per cent in Q1 2021 while employment which recorded a total of 15.2 million persons, improved by 2.2 per cent as against marginal negative 0.04 per cent in Q1 2021.

While elaborating on the performance of labour productivity measured by value added per hour worked, the Chief Statistician said, "The total hours worked in Q2 2021 increased by 33.2 per cent (Q1 2021: -0.8%) to record 8.3 billion hours worked (Q1 2021: 8.5 billion hours). This had resulted the labour productivity by value added per hour worked fell by 12.8 per cent (Q1 2021: 0.4%) with a value of RM40.5 per hour (Q1 2021: RM40.2 per hour). The decline of labour productivity in this quarter was led by a larger increase in total hours worked than growth rate in value

















Media pick-up



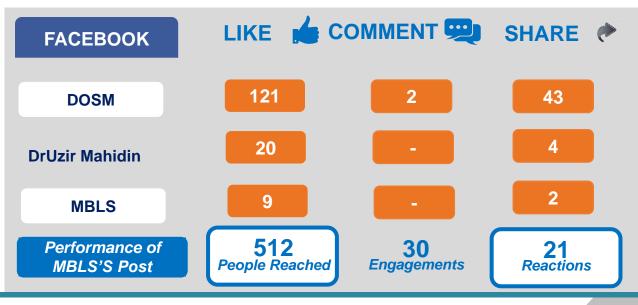














Data dissemination: video





Labour Productivity, Second Quarter of 2021



Malaysian Bureau of Labour Statistics telah menyiarkan episod Quarterly Labour Productivity.

lebih kurang 3 minggu yang lalu · 🐊

18 August 2021 (DOSM); Labour productivity in Q2 2021 turned around to 13.6 per cent compared to a year ago while quarter-onquarter remained decline.

Lihat Lagi

Komen

Seterusnya



Labour Market Review, 2Q 2021

Malaysian Bureau of Labour... 40 Paparan



Employment Statistics, Second Quarter of 2021

Malaysian Bureau of Labour... 94 Paparan

https://ms-my.facebook.com/mbls.statsmy/videos/618391695794819/









adawiah.shabli@dosm.gov.my

THANK YOU







For More Info: www.dosm.gov.my www.mycensus.gov.my











