

Taklimat Glosari MyRA Pindaan 2016



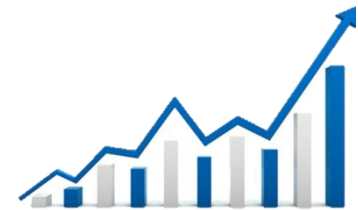
Prof. Dr. Phua K.K
Bahagian Pembangunan Institusi (BPI)

Objektif Bengkel

- **Memberi penerangan dan kefahaman kepada semua Ketua Jabatan dan Pegawai Sumber KPI PTJ mengenai perubahan dan kriteria baru di dalam Glosari MyRA (Pindaan Tahun 2016)**
- **Memberi kefahaman tentang tatacara penyediaan dan kemasukan data KPI PTJ melalui Sistem KPI-MS (Key Performance Indicator Monitoring System)**



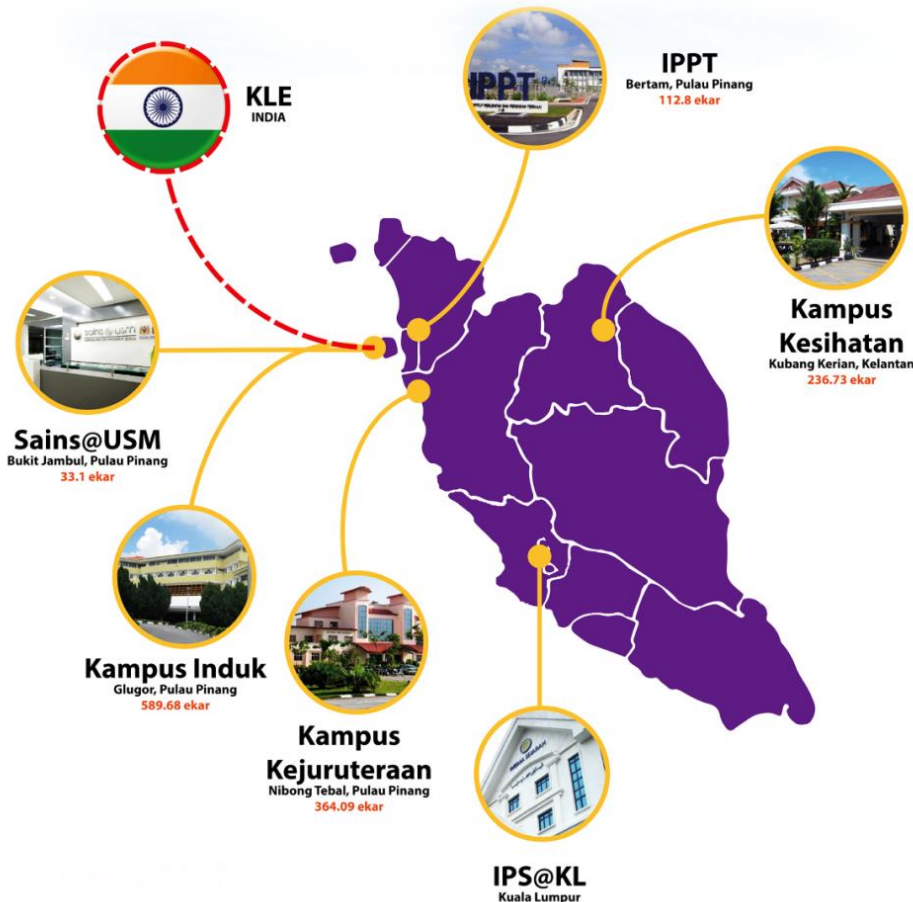
Program



- **Ucapan Aluan Oleh TNC R&I**
 - ◆ Profesor Dato' Muhammad Jantan
- **Taklimat Rumusan Pindaan Glosari MyRA Tahun 2016**
 - ◆ Prof. Dr. Phua K.K.
- **Sesi Taklimat Glosari MyRA Pindaan 2016 (Audit 2017)**
 - ★ Puan Faizah Binti Md Zain
- **Sesi Penerangan KPI-MS**
 - ★ Prof. Dr. Phua K.K.
- **Sesi Q&A dan Penutup**

12/10/2016, DPU Pulau Pinang

USM at a Glance



9,680 Staf

- Akademik: **2,055**
- Pentadbiran dan Sokongan: **7,625** (termasuk Hospital USM)

32,033 Pelajar

- Ijazah Kedoktoran: **3,825**
- Sarjana: **6,390**
- Ijazah Sarjana Muda (Penuh Masa): **14,901**
- Ijazah Sarjana Muda (Jarak Jauh): **6,741**
- Diploma: **176**

1,794 Pelajar Antarabangsa

- Ijazah Kedoktoran: **1,245**
- Sarjana: **406**
- Ijazah Sarjana Muda (Penuh Masa): **143**

335 Program Akademik

- Ijazah Kedoktoran: **16 Program**
- Sarjana: **243 Program**
- Ijazah Sarjana Muda (Penuh Masa): **71 Program**
- Ijazah Sarjana Muda (Jarak Jauh): **4 Program**
- Diploma: **1 Program**

327 Bidang Penyelidikan

- Ijazah Kedoktoran & Sarjana

13 Pusat Pentadbiran

26 Pusat Pengajian

54 Pusat Kecemerlangan / Perkhidmatan

3 Pusat Kecemerlangan Tinggi Negara (HiCoE)

19 Makmal Berakreditasi

Statistik staf pada 30 September 2016.

Statistik enrolmen pelajar Ijazah Pertama pada sem 1, sidang akademik 2016/2017 (30 Sept. 2016).

Statistik enrolmen pelajar Ijazah Tinggi yang Aktif (termasuk pelajar berstatus aktif, diberi cuti dengan kebenaran, penangguhan pengajian, tamat pengajian, diberhentikan, menarik diri dan gagal) dalam tempoh Januari - September 2016.

Data sehingga : **September 2016**

KEPENTINGAN DAN IMPAK MyRA

03 RANGKING GLOBAL

Menyumbang kepada prestasi Rangking Global USM

- QS-WUR, QS-WUR by Field, QS-WUR by Subjects
- CWUR : The Centre for World University Ranking (Leiden)
- Times Higher Education World University Ranking (THE)
- Academic Ranking of World University (Shanghai Jiao Tong)
- US News Ranking

02 PEMANTAUAN R-D-C (Keunggulan Global)

Menilai pencapaian serta memantau prestasi universiti tempatan dalam aktiviti penyelidikan, pembangunan dan pengkomersilan (R&D&C) secara tahunan

01 AGENDA NASIONAL

Kerajaan Malaysia kini memberi keutamaan dalam aktiviti penyelidikan dan pembangunan yang dilakukan oleh universiti tempatan sebagai satu usaha untuk membangunkan ekonomi negara

04 PPM-PT

Menyokong kepada pelaksanaan Pelan Pembangunan Pendidikan Malaysia (Pengajian Tinggi) (PPM-PT) melalui Lonjakan berikut :

- L2 : Kecemerlangan Bakat Pendidikan Tinggi
- L6 : Kelestarian Kewangan
- L7 : Ekosistem Inovasi
- L8 : Penyampaian Pendidikan Tinggi yang Ditransformasi
- L9 : Kesohoran Global

05 USM APEX 2020

Membantu menzahirkan kecemerlangan USM melalui APEX USM 2020:

- KFA 1 : Pelajar
- KFA 2 : Staf
- KFA 3 : Penyelidikan Global
- KFA 6 : Kewangan
- KFA 7 : Kelestarian

QS WORLD UNIVERSITY RANKING BY SUBJECTS 2016



22
QS Ranking
by Subjects:
(Top 300)

20
QS Ranking
by Subjects:
(Top 200)

**USM rank No. 1 in
MALAYSIA : 13 Subjects**

Overall Performance :

13 Subjects 
2 Subjects 
7 Subjects 

Welcome to Top 200 in 2016

- Biological Sciences
- Chemistry
- Mathematics
- Communication & Media Studies
- Economics & Econometrics
- Statistics & Operational Research

43%
increase
from 2015

1 **Subject**
#46 Chemical Engineering *

8 **Subjects**
Environmental Sciences *
Architecture / Built Environment *
Computer Science & Information Systems
Electrical and Electronic Engineering
Mechanical, Aeronautical & Manufacturing
Pharmacy & Pharmacology *
Development Studies
Education and Training *

4 **Subjects**
Linguistic
Civil & Structural Engineering
Material Sciences *
Business & Management Studies

7 **Subjects**
English Language and Literature
Biological Sciences *
Chemistry
Mathematics *
Communication & Media Studies
Economics & Econometrics
Statistics & Operational Research

**QS WORLD
UNIVERSITY
RANKINGS**
by subject
2016

Rank 151-200

Rank 101-150

Rank 51-100

Top 50

*** Lead Malaysia
Rank No. 1
in Top 200**



USM : GLOBAL RANKINGS 2016



Rank :262

Rank :432

USM, UTM scholars among most cited

MAJOR RECOGNITION: Success attributed to dedicated groups, world-class facilities

O.C. YEON
oeyon@nt.com.my

FOUR academicians from two local universities have been listed among the Most Cited Researchers in the latest Shanghai Academic Ranking of World Universities 2016 by Subjects.

Representing various fields of engineering, three of these top researchers hail from Universiti Sains Malaysia (USM), while the fourth is from Universiti Teknologi Malaysia (UTM).

USM's most cited researchers are Professor Dr Bassim H. Hameed and Professor Dr Lee Keat Teong from the USM School of Chemical Engineering, and Professor Dr Hanafi Ismail from the USM School of Materials and Mineral Resources Engineering.

UTM's deputy Vice-Chancellor (Research and Innovation) Professor Dr Ahmad Fauzi Ismail was also listed as one of the Most Cited Researchers for Chemical Engineering.

Bassim was cited as being top in the field of Chemical Engineering and Environmental Science and Engineering. Hanafi is in the field of Chemical Engineering and Lee in the field of Energy Science and Engineering.

Bassim said he was both proud and honoured to have been recognised for his research work in Chemical Engineering and Environmental Science and Engineering by the Shanghai Jiao Tong Academic World University Rankings.

Before this, he was listed by Thomson Reuters as among the World's Most Influential Scientific Minds and also the Highly Cited Researcher for 2015 and 2014 in the field of Engineering.

"I wish to express my sincere appreciation to the Ministry of Higher Education (MOHE), Ministry of Science, Technology & Innovation (MOSTI) and USM for granting me funds to make my research possible," said Bassim, who hails from Iraq.

"I also want to acknowledge the excellent works and contributions of my Postdoctoral Fellows, postgraduate students, researchers, international collaborators and the members of my Reaction Engineering & Adsorption (READ) research group who showed tremendous commitment throughout my 17 years with USM."

Giving his advice to USM's young researchers, Bassim said: "They need to be focused in conducting good research that is relevant to global issues such as environment, energy, climate change, water security etc, and avoid conducting research solely because of their personal interests."

"They should also publish their results in the top ISI indexed journals in their fields."

Meanwhile, Hanafi said that with the available facilities at the Science and Engineering Research Centre (SERC) on USM's Engineering Campus in Nibong Tebal and the cohort of young lecturers in service there, USM hopes to produce more world-class researchers.

"The young lecturers should always be positive and persevere in their efforts. As in any situation, they need to make teaching in research as their core business and be ready



Malaysia's most cited research scholars (clockwise from top left) Professor Dr Bassim H. Hameed, Professor Dr Hanafi Ismail, Professor Dr Lee Keat Teong and Professor Dr Ahmad Fauzi Ismail.

to cooperate with others in their research," he said.

Lee, who is director of the USM Research Country and Management Office (RCMO) and director of the USM International Collaborations Office, said that it has always been his

objective to share his findings with other researchers in his field around the world, with the hope that it will contribute to the advancement of science within his field of expertise.

"To the young researchers, find a niche that you are passionate about, and work all out to develop yourself to be recognised as an expert in that niche; do not let intermediate stumbling blocks or failures discourage you," he said.

"Continue to persevere and one day you will be duly recognised by your peers."

Professor Dr Phua Xia Kien, director of the USM Institutional Development Division, called this ranking result a great accomplishment for USM as three out of four researchers from Malaysian universities who were listed came from USM.

"This is especially when the annual Academic World University Rankings (ARWU) is considered among the most prestigious in the ranking system for academics and research output," he said,

adding that USM's academicians have been producing world-class impactful research that have contributed to the development of the institution and the nation.

"An outstanding achievement in the

citations is essential as an acknowledgement of the efforts in research and innovation, leading to academic writings published in various journals and cited by other academicians all over the world," said USM Vice-Chancellor Professor Datuk Dr Omar Osman.

He said that explained the success of the three USM academicians being listed as Most Cited Researchers by ARWU and also in the world rankings as an acknowledgement on the achievements of the scientists and scholars in the country.

Furthermore, it could serve as a guideline as it is conducted by those utilising widely-accepted methodologies and thus would be transparent and comprehensive.

"The achievements of USM in relation to the citations in research journals has so far been maintained within the past five years, to be the best in the country and among the best at the international stage," said Omar.

Ahmad Fauzi said it was a great honour to be included among the Most Cited Researchers.

"This achievement is thanks also to the concerted efforts and dedication of everyone in the Advanced Membrane Technology Research Center (AMTEC), including academic staff, students and Post-Doctoral Fellows as well as the technical personnel and our national and international collaborators," he said.

"To me, publication is one of the most impactful media for scientific and applied research outcome communication."

"It is a versatile platform for communicating ideas and scientific findings which can be potentially applied or commercialised for the benefits of communities, industries and wealth creation of countries."

"It also serves as a branding strategy in this borderless world."

"I encourage scientists and researchers to publish their high quality research findings in high impact journals."

"At the same time, state-of-the-art research approaches will ensure the R&D products to be applied or marketed in the right and short time."

"It is also important to complete the research cycle where the research is structured to start from fundamental research and progressively advanced to applied, prototyping, pilot plant, demonstration and, ultimately, commercialisation."

The ARWU International Advisory Board was established in November 2011 to provide its team with global and academic perspectives on the current practice and future projects of ARWU.

It comprises world-renowned scholars, topically researchers and higher education leaders. The ARWU International Advisory Board Meeting is held every two years.

THE MOST CITED RESEARCHES SHANGHAI ACADEMIC RANKING OF WORLD UNIVERSITIES (ARWU)

by Elsevier 2016



Prof. Dr. Bassim H. Hameed
Chemical Engineering & Environmental Science



Prof. Dr. Hanafi Ismail
Chemical Engineering



Prof. Dr. Lee Keat Teong
Energy (Science & Engineering)

CONGRATULATIONS

RESEARCHERS	SUBJECTS	INSTITUTION
Hameed, Bassim H	Chemical Eng	USM
Ismail, Hanafi	Environmental Sci & Eng	
Ismail, Ahmad Fauzi	Chemical Eng	USM
Lee, Keat Teong	Energy Sci & Eng	USM
Ismail, Hanafi	Chemical Eng	USM
Ismail, Ahmad Fauzi	Chemical Eng	UTM





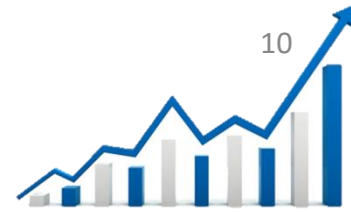
DRAF AKHIR GLOSARI MyRA[®] I & II (PINDAAN 2016)

**Mesyuarat Jawatankuasa Universiti Penyelidikan Bil.3/2016,
6 September 2016 (Selasa), Jabatan Pendidikan Tinggi,
Kementerian Pendidikan Tinggi**



Definisi Penting Glosari MyRA Pindaan 2016

- | | |
|--|---|
| 1) Buku Penyelidikan | 9) Ijazah Tinggi |
| 2) Cuti Belajar Staf Akademik | 10) Ijazah Tinggi Mod Penyelidikan |
| 3) Enrolmen Pelajar (Ijazah Pertama & Ijazah Tinggi) | 11) Karya asli |
| 4) Full Time Equivalent (FTE) Staf Akademik Aktif | 12) Komuniti |
| 5) Full Time Equivalent (FTE) Staf Akademik S&T Aktif | 13) Pelajar Aktif |
| 6) Full Time Equivalent (FTE) Pelajar | 14) Projek Penyelidikan Aktif |
| 7) Felo Pasca-doktoral | 15) Staf akademik |
| 8) Ijazah Pertama | 16) Staf Akademik Aktif |

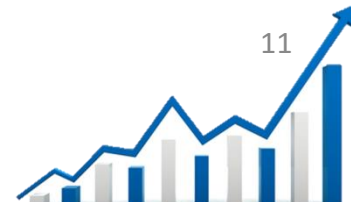


○ Badan Bukan Kerajaan (*NGO*) Antarabangsa diterima sebagai keahlian untuk Jaringan dan Jangkauan

- ✦ Badan Bukan Kerajaan (*NGO*) Antarabangsa diambilkira sebagai salah satu KPI dalam Seksyen G3 (MyRA® I) dan G2 (MyRA® II) : Keahlian di dalam Badan Profesional/Persatuan di peringkat Antarabangsa.

○ Pengiraan *Full Time Equivalent (FTE)* untuk Pelajar & Staf Akademik Separuh Masa

- ✦ *Full Time Equivalent (FTE)* bagi pelajar dan staf akademik dalam MyRA® perlu selari dengan istilah yang digunakan oleh Kementerian dan Universiti Awam dan diambilkira sebagai KPI dalam Seksyen A : Makluman Umum.



BIL.	CADANGAN PENAMBAHBAIKAN KPI GLOSARI MYRA®	SEKSYEN
1.	<i>Joint Publications</i> BAHARU - Bagi memperbaiki kedudukan Malaysia dalam Universitas 21 (U21), kolaborasi penerbitan bersama dijadikan salah satu KPI dalam Glosari MyRA® (PINDAAN 2016) : ○ Kolaborasi Kebangsaan Industri/Agensi/Institut Penyelidikan ○ Kolaborasi Antarabangsa ○ Kolaborasi antara Universiti Awam dan Universiti Awam (UA-UA), Universiti Awam dan Universiti Swasta (UA-US) dan Universiti Swasta dan Universiti Swasta (US-US)	Seksyen C1
2.	<i>Case study</i> BAHARU Kajian kes (<i>case study</i>) dimasukkan sebagai salah satu KPI di dalam Lain-lain Penerbitan (<i>Other publications</i>)	Seksyen C1f
3.	<i>Graduate On-Time (GOT) – MyRA® II</i> TAMBAHBAIK Bagi <i>Graduate On-Time (GOT)</i>, jumlah pengajian dalam tempoh 7 semester atau 42 bulan diambilkira.	Seksyen D1



CADANGAN PENAMBAHBAIKAN GLOSARI MyRA® (PINDAAN 2016) - BENGKEL PEMURNIAN

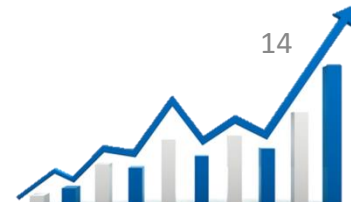
BIL.	CADANGAN PENAMBAHBAIKAN KPI GLOSARI MYRA®	SEKSYEN
4.	Geran Penyelidikan yang diterima/aktif dari agensi kerajaan/swasta/badan induk/antarabangsa untuk staff akademik Non S&T BAHARU Benchmark lebih rendah untuk staf akademik Non S&T berbanding S&T	Seksyen C
5.	CGPA Pelajar Ijazah Tinggi - MyRA® I TAMBAHBAIK CGPA bagi Pelajar Ijazah Tinggi dinaikkan kepada $CGPA \geq 3.5$ atau setara dengannya pada peringkat Ijazah Pertama.	Seksyen D4
6.	Spin-off Companies BAHARU - Syarikat terbitan yang terhasil berdasarkan inovasi universiti - Hanya untuk mengumpul data. Tiada markah diberikan	Seksyen E5
7.	Knowledge / Technology Diffusion/Assimilation (Social Innovation) TAMBAHBAIK Untuk meningkatkan kualiti jaringan dan jangkauan IPT dalam projek pemindahan ilmu dan teknologi bersama komuniti.	Seksyen G5

Tiada Perubahan



CADANGAN PENAMBAHBAIKAN GLOSARI MyRA® (PINDAAN 2016) - BENGKEL PEMURNIAN

BIL.	CADANGAN PENAMBAHBAIKAN KPI GLOSARI MYRA®	SEKSYEN
8.	<i>Journal subscribed – MyRA® I</i> BAHARU Jumlah jurnal yang dilanggan diambilkira sebagai KPI Glosari MyRA® (Pindaan 2016). - bagi menggalakkan IPT untuk menambah jurnal di dalam pangkalan data.	Seksyen H2c



PENYELARASAN TOTAL SCORES (%) MyRA® I

GLOSARI MyRA® I & II (PINDAAN 2016)

Seksyen dan Kriteria Penilaian Baharu	MyRA® I (Pindaan 2014)	MyRA® I (Pindaan 2016)
Seksyen A : Maklumat Umum	-	-
Seksyen B : Kuantiti dan Kualiti Penyelidik	25%	25%
Seksyen C : Kuantiti dan Kualiti Penyelidikan	30%	30%
Seksyen D } Kuantiti dan Kualiti	10%	15%
Seksyen E } Pasca Siswazah	5%	
Seksyen E : Inovasi	10%	10%
Seksyen F : Khidmat Profesional dan Hadiah	7%	7%
Seksyen G : Jaringan dan Jangkauan	8%	10%
Seksyen H : Kemudahan Sokongan	5%	
100%		100%

Digabungkan



Perubahan



Jumlah Keseluruhan :

Markah maksimum yang boleh dicapai :

154.6 markah

171.5 markah

PENYELARASAN TOTAL SCORES (%) MyRA® I

GLOSARI MyRA® I & II (PINDAAN 2016)

★ Tiada pindaan pada *Total Scores (%)*

Seksyen dan Kriteria Penilaian Baharu	MyRA® II (Pindaan 2014)	MyRA® II (Pindaan 2016)
Seksyen A : Maklumat Umum	-	-
Seksyen B : Kuantiti dan Kualiti Penyelidik	15%	15%
Seksyen C : Kuantiti dan Kualiti Penyelidikan	35%	35%
Seksyen D : Kuantiti dan Kualiti Pasca Siswazah	10%	10%
Seksyen E : Inovasi	15%	15%
Seksyen F : Khidmat Profesional dan Hadiah	10%	10%
Seksyen G : Jaringan dan Jangkauan	12%	12%
Seksyen H : Kemudahan Sokongan	3%	3%

Jumlah Keseluruhan :

100%

100%

Markah maksimum yang boleh dicapai :

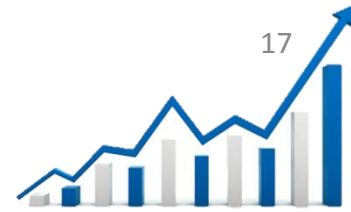
170 markah

152.5 markah

KPI BAHARU/DITAMBAHBAIK GLOSARI MyRA® I & II (PINDAAN 2016)

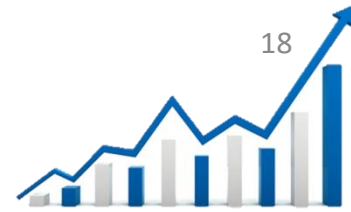
Seksyen C : Kuantiti dan Kualiti Penyelidikan (MyRA® I dan MyRA® II)

	KPI	Benchmark
C1 a(iii)	Kerjasama Penerbitan <i>Joint publications</i> • Kolaborasi Kebangsaan Industri/Agensi/Institut Penyelidikan • Kolaborasi Antarabangsa • Kolaborasi antara Universiti Awam dan Universiti Awam (UA-UA), Universiti Awam dan Universiti Swasta (UA-US) dan Universiti Swasta dan Universiti Swasta (US-US)	 0.3 no./staff



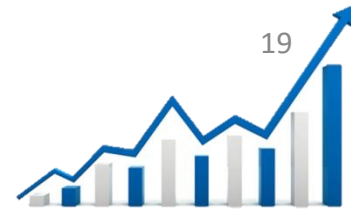
Seksyen C : Kuantiti dan Kualiti Penyelidikan (MyRA[®] I dan MyRA[®] II)

	KPI	Benchmark	
		MyRA [®] I	MyRA [®] II
C2 a(i)	Jumlah peruntukan yang diluluskan bagi projek baharu daripada Badan Kerajaan/Berkanun pada tahun yang dinilai <i>Total amount approved (pledged) for new projects from Government/Statutory Bodies in the year of assessment</i>	- (data collection)	- (data collection)
C2 a(ii)	Jumlah peruntukan yang diterima bagi projek aktif daripada Badan Kerajaan/Berkanun pada tahun yang dinilai <i>Total amount received (in bursary) for active projects from Government/Statutory Bodies in the year of assessment</i>	S&T : RM30,000 Non-S&T : RM12,000	S&T : RM60,000 Non-S&T : RM24,000



Seksyen C : Kuantiti dan Kualiti Penyelidikan (MyRA[®] I dan MyRA[®] II)

	KPI	Benchmark	
		MyRA [®] I	MyRA [®] II
C2 b(i)	Jumlah peruntukan yang diluluskan bagi projek baharu daripada Industri /Badan Bukan Kerajaan pada tahun yang dinilai <i>Total amount approved (pledged) for the entire project for new projects from Industry/Non-Government Organization (NGO) in the year of assessment</i>	- (data collection)	- (data collection)
C2 b(ii)	Jumlah peruntukan bagi projek aktif yang diterima daripada Industri/Badan Bukan Kerajaan pada tahun yang dinilai <i>Total amount received (in bursary) for active projects from Industry/Non-Government Organization (NGO) in the year of assessment</i>	S&T : RM10,000 Non-S&T :RM6,000	S&T : RM20,000 Non-S&T :RM12,000

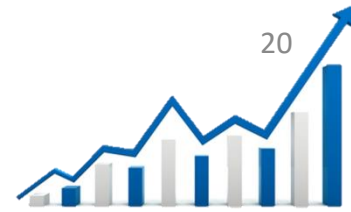


KPI BAHARU/DITAMBAHBAIK

GLOSARI MyRA[®] I & II (PINDAAN 2016)

Seksyen C : Kuantiti dan Kualiti Penyelidikan (MyRA[®] I dan MyRA[®] II)

	KPI	Benchmark	
		MyRA [®] I	MyRA [®] II
C2 c(i)	Jumlah peruntukan yang diluluskan bagi projek baharu daripada Badan/Agensi Antarabangsa pada tahun yang dinilai <i>Total amount approved (pledged) for new projects from International Bodies/Agencies in the year of assessment</i>	- (data collection)	- (data collection)
C2 c(ii)	Jumlah peruntukan bagi projek aktif yang diterima daripada Badan/Agensi Antarabangsa pada tahun yang dinilai <i>Total amount received (in bursary) for active projects from International Bodies/Agencies in the year of assessment</i>	S&T : RM10,000 Non-S&T : RM12,000	S&T : RM20,000 Non-S&T : RM24,000



KPI BAHARU/DITAMBAHBAIK GLOSARI MyRA[®] I & II (PINDAAN 2016)

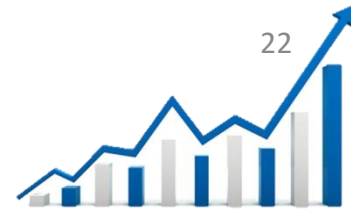
Seksyen D : Kuantiti dan Kualiti Pasca Siswazah (MyRA[®] I dan MyRA[®] II)

	KPI	Benchmark
D1 a(i)	Bilangan pelajar PhD (Mod Penyelidikan) Warganegara pada tahun yang dinilai <i>Total number of local PhDs (Research Mode) graduated in the year</i>	- (data collection)
D1 a(ii)	Bilangan pelajar PhD (Mod Penyelidikan) Bukan Warganegara pada tahun yang dinilai <i>Total number of International PhDs (Research Mode) graduated in the year</i>	- (data collection)



Seksyen E : Inovasi (MyRA[®] I dan MyRA[®] II)

	KPI	Penjelasan	Benchmark
E5	Syarikat Terbitan/ Syarikat Spin-off <i>Start-ups/Spin-Off Companies</i>		
	Jumlah syarikat terbitan/<i>spin-off companies</i> (mewakili bisnes, peluang pekerjaan baharu) yang terhasil berasaskan inovasi universiti <i>Number of start-ups /spin-off companies (representing new businesses, jobs) created based on university innovations</i>	Jumlah syarikat baharu yang mengkomersilkan inovasi universiti (rujuk pendaftaran syarikat dan perjanjian teknologi <i>know-how</i>). Nota: Antara indikator kemajuan syarikat terbitan termasuk peratus (%) pembayaran yuran pelesenan, perolehan dana <i>precomm</i> dan pelaburan, <i>paid up capital</i>, jualan unit dan jualan kasar.	- (data collection)



KPI BAHARU/DITAMBAHBAIK

GLOSARI MyRA[®] I & II (PINDAAN 2016)

Seksyen F : Khidmat Profesional dan Hadiah (MyRA[®] I dan MyRA[®] II)

		KPI	Penjelasan	Benchmark	
MyRA [®] I	MyRA [®] II			MyRA [®] I	MyRA [®] II
F5	F7	Jumlah perbelanjaan untuk pembangunan R&D <i>Expenditure towards R&D development</i>	Jumlah perbelanjaan yang digunakan untuk pembangunan penyelidikan adalah seperti berikut: ☐ Penggajian penyelidik/pengurusan penyelidikan ☐ Pembelian peralatan penyelidikan ☐ Pembangunan makmal penyelidikan	2% of R&D Expenditure	2% of R&D Expenditure



Seksyen G : Jaringan dan Jangkauan (MyRA[®] I dan MyRA[®] II)

MyRA [®] I	MyRA [®] II	KPI	Penjelasan	Benchmark
G6	G5	Pengetahuan/Projek Penyebaran Teknologi/Asimilasi (Inovasi Sosial) <i>Knowledge/Technology Diffusion Project/Assimilation (Social Innovation)</i>		-
G6 a(i)	G5 a(i)	Bilangan PROJEK BAHARU dengan kerjasama komuniti <i>Total number of new community-related research projects</i>	Bilangan projek baharu pemindahan ilmu dan teknologi dengan kerjasama Industri/Komuniti.	15
G6 a(ii)	G5 a(ii)	Bilangan PROJEK SAMBUNGAN dengan kerjasama komuniti <i>Total number of rolling community-related research projects</i>	Bilangan projek sambungan (<i>rolling projects</i>) pemindahan ilmu dan teknologi dengan kerjasama Industri/Komuniti. Nota Umum: Jenis projek yang sama tetapi memberi impak kepada komuniti yang berbeza dikira sebagai projek berasingan dan sebaliknya (pelbagai projek untuk satu komuniti).	15

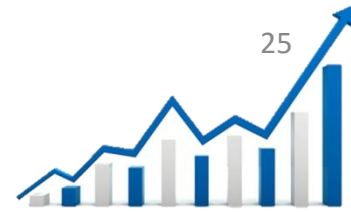


KPI BAHARU/DITAMBAHBAIK

GLOSARI MyRA[®] I & II (PINDAAN 2016)

Seksyen G : Jaringan dan Jangkauan

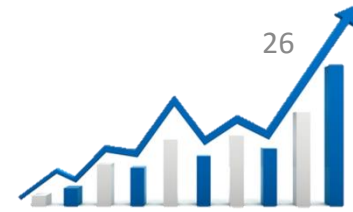
MyRA [®] I	MyRA [®] II	KPI	Penjelasan	Benchmark
G6b	G5b	Bilangan KOMUNITI yang menerima faedah daripada pengetahuan/Projek Penyebaran Teknologi <i>Total number of communities receiving/benefiting the knowledge/technology diffusion projects</i>	Bilangan komuniti yang menerima projek pemindahan ilmu dan teknologi. Nota Umum: - Bilangan komuniti/industri yang menerima/mendapat faedah daripada pengetahuan/Projek Penyebaran Teknologi - Komuniti yang dimaksudkan termasuk: - Masyarakat yang menggunakan program menggerakkan sumber dan kepakaran dengan Universiti - Masyarakat yang bekerjasama dengan agensi-agensi lain dan Universiti dalam pelaksanaan program - Pembiayaan program adalah secara bersama di antara Universiti/Sektor Awam/Sektor Swasta - Program komuniti menunjukkan perubahan positif dari segi pengetahuan/kemahiran/tingkah laku atau aspirasi	60



KPI BAHARU/DITAMBAHBAIK GLOSARI MyRA® I & II (PINDAAN 2016)

Seksyen H : Kemudahan Sokongan (MyRA® I sahaja)

	KPI	Penjelasan	Benchmark	
			MyRA® I	MyRA® II
H2c	Bilangan tajuk jurnal yang dilanggan <i>Total number of journal subscribed</i>	Bilangan tajuk jurnal dalam pangkalan data yang dilanggan.	1200k per institution	Tidak berkaitan



Terima Kasih



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