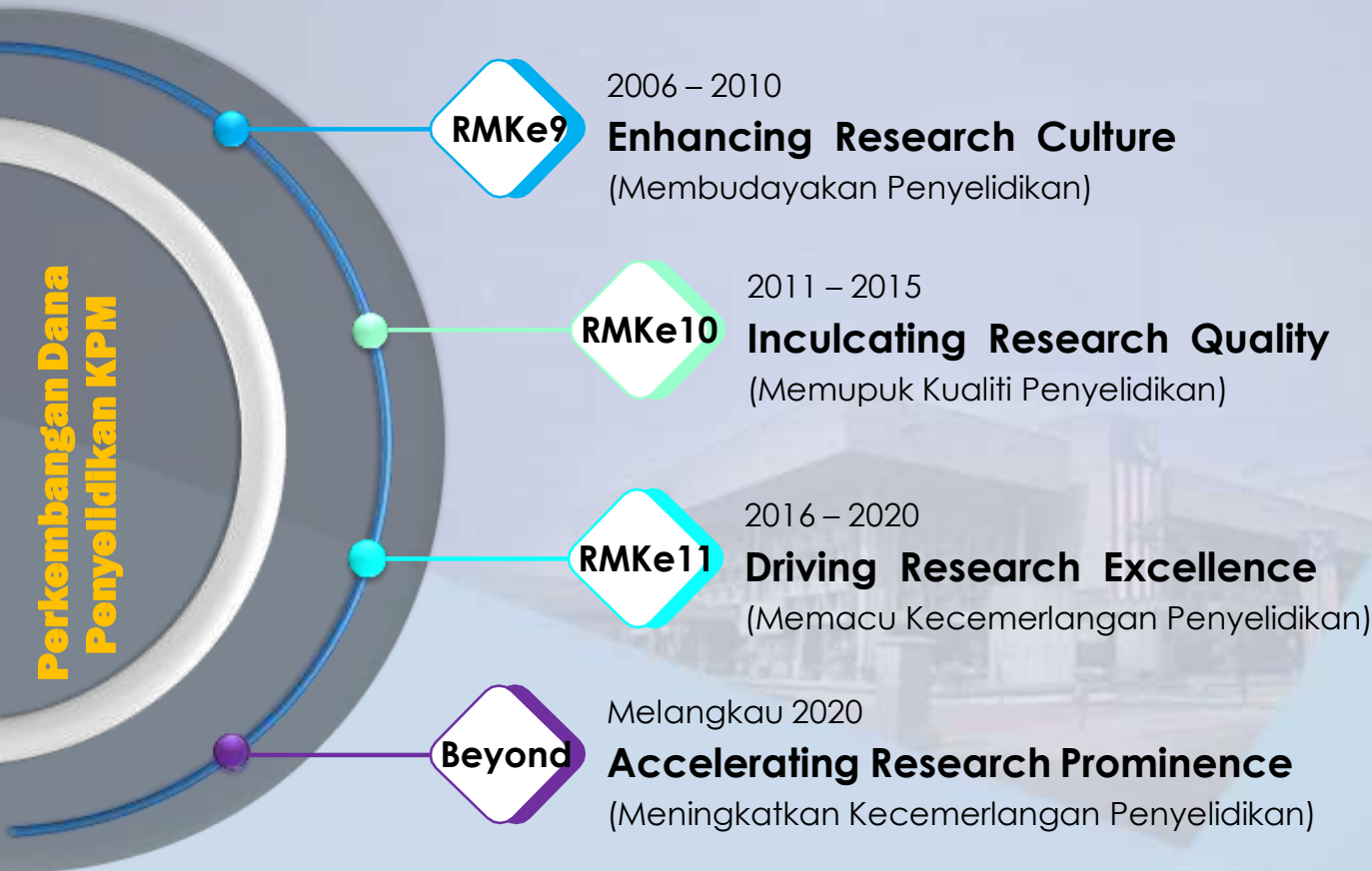


# Introduction to LRGS & TRGS Grants

Centre of Research Grant  
Management  
(Pusat Pengurusan Geran  
Penyelidikan (PPGP))  
PRESENTED BY  
NOOR HASNAH MOIN

# Fasa-fasa Dana Penyelidikan



DOKUMEN INI ADALAH UNTUK RUJUKAN BUKAN UNTUK EDARAN ATAU PENERBITAN SEMULA

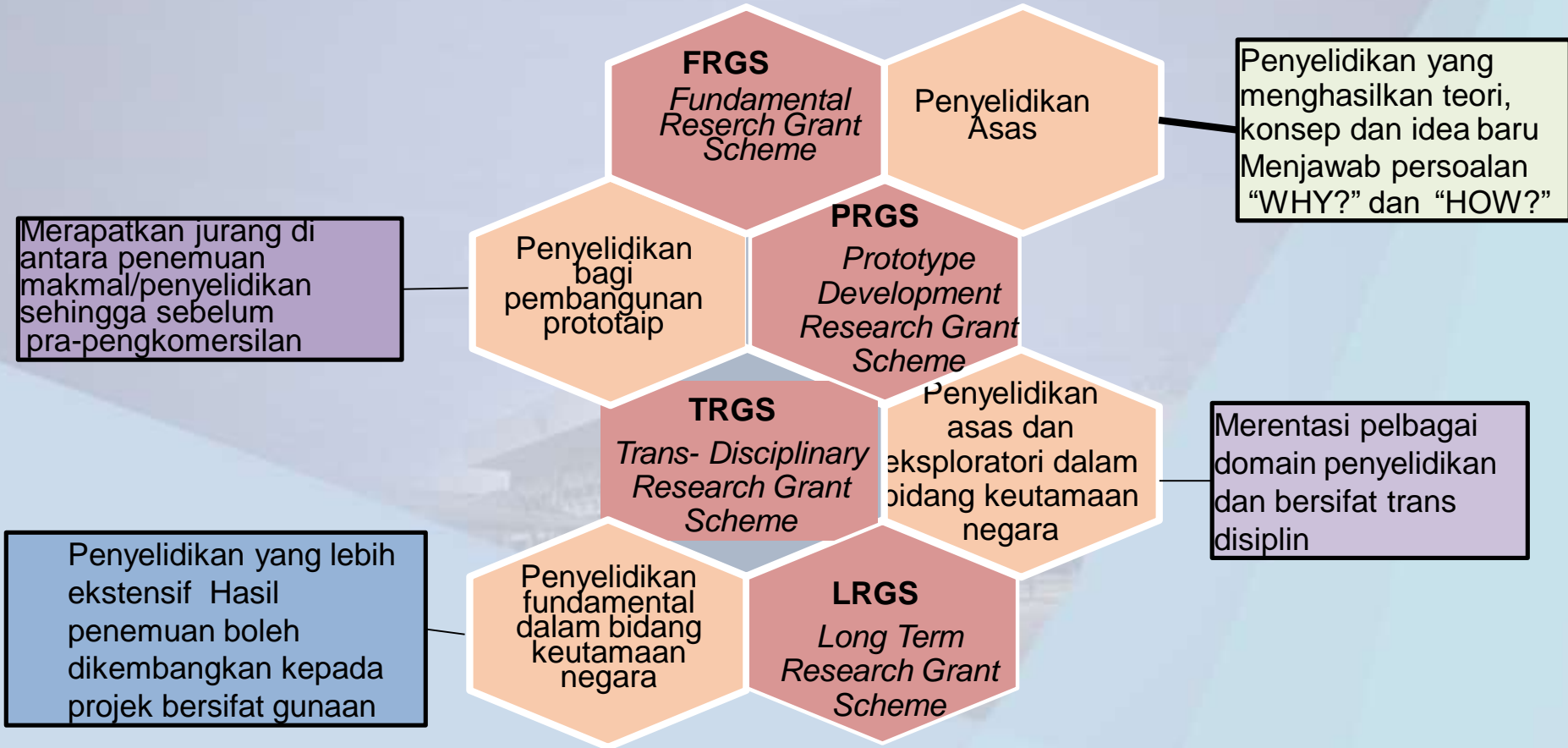
Existing schemes with revised implementation:

- **Request for proposal for large funding schemes (TRGS & LRGS)**

**based on areas of national/regional Importance**



# GRANTS OFFERED BY KPM



# DOMAINS (Previously Clusters)

**Research Domains  
2019 - 2020**



- ' Pure and Applied Science
- ' Technology & Engineering
- ' Social Science
- ' Information & Communication Technology
- ' Clinical & Health Science
- ' Arts & Applied Arts
- ' Natural and Cultural Heritage



# RESEARCH DOMAINS

## KLUSTER PENYELIDIKAN (RESEARCH CLUSTER)

Sains Tulen dan Gunaan (Pure and Applied Science)	Teknologi dan Kejuruteraan (Technology and Engineering)	Sains Kesihatan dan Klinikal (Clinical and Health Science)	Sains Sosial (Social Science)	Sastera dan Sastera Ikhtisas (Arts and Applied Arts)	Warisan Alam dan Budaya (Natural and Cultural Heritage)	Teknologi Maklumat dan Komunikasi (Information and Communication)
<ul style="list-style-type: none"> <li>- Biokimia (Biochemistry)</li> <li>- Bioteknologi (Biotechnology)</li> <li>- Biologi (Biology)</li> <li>- Kimia (Chemistry)</li> <li>- Sains Bahan (Materials Science)</li> <li>- Matematik dan Statistik (Mathematics and Statistics)</li> <li>- Fizik (Physics)</li> <li>- Geologi (Geology)</li> <li>- Geosains (Geoscience)</li> </ul>	<ul style="list-style-type: none"> <li>- Kejuruteraan (Engineering)</li> <li>- Mekanikal dan Pembuatan (Mechanical and Manufacturing)</li> <li>- Kejuruteraan Kimia dan Proses (Chemical and Process Engineering)</li> <li>- Elektrik dan Elektronik (Electrical and Electronic)</li> <li>- Aeroangkasa (Aerospace)</li> <li>- Bahan dan Polimer (Material and Polymer)</li> <li>- Awam dan Struktur (Civil and Structural)</li> <li>- Teknologi (Technology): <ul style="list-style-type: none"> <li>- Tenaga (Energy)</li> <li>- Teknologi Hijau (Green Technology)</li> <li>- Pembinaan dan Bahan Binaan (Construction and Construction Materials)</li> <li>- Infrastruktur dan Pengangkutan (Infrastructure and Transportation)</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>- Sains Perubatan Asas (Basic Medical Sciences)</li> <li>- Kajian Klinikal (Clinical Studies)</li> <li>- Perubatan (Medicine)</li> <li>- Pembedahan (Surgery)</li> <li>- Onkologi (Oncology)</li> <li>- Perubatan Komuniti (Community Medicine)</li> <li>- Perubatan Pencegahan (Preventive Medicine)</li> <li>- Sains Kesihatan (Health Science)</li> <li>- Pergigian (Dental)</li> <li>- Mikrobiologi Perubatan (Medical Microbiology)</li> <li>- Kejururawatan (Nursing)</li> <li>- Parasitologi (Parasitology)</li> <li>- Patologi (Pathology)</li> <li>- Farmasi (Pharmacy)</li> <li>- Farmakologi (Pharmacology)</li> </ul>	<ul style="list-style-type: none"> <li>- Antropologi (Anthropology)</li> <li>- Psikologi (Psychology)</li> <li>- Sosiologi (Sociology)</li> <li>- Sains Politik (Political Science)</li> <li>- Perniagaan (Termasuk Perakaunan, Kewangan, Pemasaran) (Business (Including Accounting, Finance, Marketing))</li> <li>- Pengurusan (Tingkah laku Organisasi, Keusahawanan) (Management (Organisational Behaviour, Entrepreneurship))</li> <li>- Geografi (Geography)</li> <li>- Ekonomi (Economics)</li> <li>- Komunikasi (Communication)</li> <li>- Kajian Etnik (Ethnography)</li> </ul>	<ul style="list-style-type: none"> <li>- Bahasa dan Linguistik (Language and Linguistic)</li> <li>- Kesusasteraan (Literature)</li> <li>- Agama (Religion)</li> <li>- Falsafah (Philosophy)</li> <li>- Ketamadunan (Civilization)</li> <li>- Sejarah (History)</li> <li>- Seni (Art)</li> <li>- Budaya (Culture)</li> <li>- Pendidikan (Education)</li> <li>- Polisi dan Undang-Undang (Policies and Law)</li> <li>- Alam Bina (Built Environment)</li> <li>- Alam Sekitar (Environment)</li> </ul>	<ul style="list-style-type: none"> <li>- Pelancongan (Tourism)</li> <li>- Alam Sekitar (Environment)</li> <li>- Perhutanan (Forestry)</li> <li>- Pertanian (Agriculture)</li> <li>- Marin (Marine)</li> <li>- Arkeologi (Archaeology)</li> <li>- Geosains (Geoscience)</li> <li>- Kajian Etnik (Ethnography)</li> <li>- Alam Bina Built (Environment)</li> <li>- Budaya (Culture)</li> <li>- Kepelbagaian Biologi (Biodiversity)</li> <li>- Kulineri (Culinary)</li> <li>- Perubatan Alternatif (Alternative Medicine)</li> </ul>	<ul style="list-style-type: none"> <li>- Perisian (Software)</li> <li>- Kecerdasan Buatan (Artificial Intelligence)</li> <li>- Rangkaian Komputer (Computer Networks)</li> <li>- Sistem Maklumat (Information System)</li> <li>- Teori Pengkomputeran (Theory of Computation)</li> <li>- Rekabentuk Perkakasan (Hardware Design)</li> </ul>

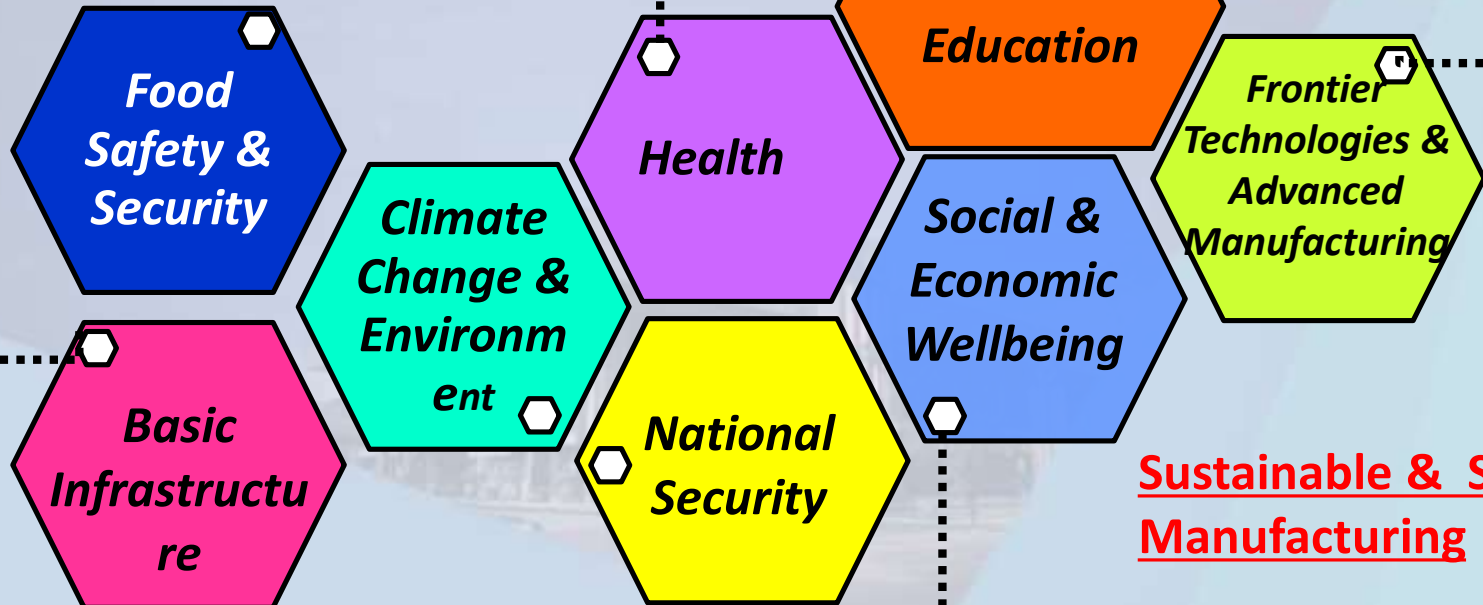
# RESEARCH CLUSTERS (National Priority Areas)

## Good Health & Wellbeing

- Health & wellbeing of B40
- Health & wellbeing of ageing society

## Quality Education

- Future Education
- Quality Education Provision for Vulnerable Communities



## Affordable & clean energy

- Affordable and clean energy system

## Societal Harmony & Happiness

- Migrants & refugees in Malaysian society
- Drug abuse
- Ethnic Harmony

## Sustainable & Smart Manufacturing

# SPECIFIC CALL FOR PROPOSALS

NO	CLUSTERS	CALL FOR PROPOSALS
1,2	Frontier Technologies & Advanced Manufacturing	Artificial Intelligence (AI) and Internet of Everything (IOE)
		Smart Manufacturing
3,4	Basic Infrastructure	Developing Affordable and Clean Energy (ACE) Systems
		Towards Secure and Sustainable Water Resiliency
5	Food Safety & Security	Enhancing Sustainable Food Security
6,7	Health	Good Health and Wellbeing of Ageing Population
		Good Health and Wellbeing of B40
8,9	Education & Knowledgeable Civil Society	Quality Education Provision for Vulnerable Communities
		Realising Education 4.0 Values Enhancement in Shaping The Future Generation
10, 11, 12	Social & Economic Wellbeing	Society Free of Drug Abuse
		Ethnic Harmony



# Criteria of TRGS & LRGS

## TRGS

- ☐ Involves 3 different DOMAINS within the same Institution
- ☐ Pengecualian diberi untuk kes-kes tertentu yang melibatkan maksimum satu (1) domain dari Universiti Awam lain.

## LRGS

- ☐ Involves at least 3 different Institutions

# Key Performance Indicator

DP KPM	FRGS	TRGS	LRGS
SILING PERMOHONAN	RM250,000	RM1.5 juta	RM3 juta
TEMPOH MAKSIMUM	3 tahun	3 tahun	3-5 tahun
KPI	<ul style="list-style-type: none"> <li>Projek 3 tahun</li> <li>✓ 1 PhD @ 2 sarjana mod penyelidikan sepenuh masa @ gabungan kedua-duanya</li> <li>Projek 2 tahun</li> <li>✓ 1 sarjana mod penyelidikan sepenuh masa</li> <li>2 jurnal diindeks</li> </ul>	<ul style="list-style-type: none"> <li>4 PhD mod penyelidikan sepenuh masa) atau 8 sarjana mod penyelidikan sepenuh masa</li> <li>8 jurnal diindeks (2 Q1)</li> <li>1 IP</li> </ul>	<ul style="list-style-type: none"> <li>10 PhD</li> <li>50 jurnal diindeks (10 Q1)</li> <li>3 IP</li> </ul>

# TRGS: ELIGIBILITY

QUALIFICATION OF APPLICANT	Academician		Malaysian Research Fellow
	Permanent	Contract	
	<ul style="list-style-type: none"> <li>If contract <b>MUST</b> have Malaysian permanent Co-Researcher from the <b>same</b> institution</li> </ul>		<ul style="list-style-type: none"> <li><b>MINIMUM 1</b> year contract</li> <li><b>MUST</b> have permanent Co-Researcher from the <b>same</b> institution</li> </ul>
	<ul style="list-style-type: none"> <li>PI with existing active TRGS must provide an evidence of 100% completion.</li> <li>The evidence <b>MUST</b> be shown in Mygrants Monitoring Module and verified by PPGP (RMC).</li> </ul>		
	<ul style="list-style-type: none"> <li>1 proposal only can be submitted.</li> </ul>		
	<ul style="list-style-type: none"> <li><b>Research related to human/animal – PI MUST attach the copy of application to the Ethic Committee as an evidence.</b></li> </ul>		

# Additional Criteria

- Program Leader (Head) Must be a Malaysian Citizen.
- Program Leader (Head) Must be a permanent academician & must lead one of the subprograms (Projects).
- Minimum two(2) sub-programs must be lead by Malaysian Citizen.
- Applicant must lead **ONLY ONE** Sub-Program
- Must Involves at least three (3) Domains **MUST BE** Transdisciplinary.
- PI with existing TRGS from previous cycle must achieve 100% completion.
- Staff on sabbatical (overseas or local) is not allowed to be the program/project leader. However he/she can be a member.

# TRGS Project Assessment

- The research must be able to produce new/enhanced ideas/theory/concepts/methodology/model/processes; or
- The research is encouraged to include the humanities and social aspects (but not a must)



# LRGS: ELIGIBILITY

QUALIFICATION OF APPLICANT	Academician		Malaysian Research Fellow
	Permanent	Contract	
	<ul style="list-style-type: none"> <li>If contract <b>MUST</b> have Malaysian permanent Co-Researcher from the <b>same</b> institution</li> </ul>		<ul style="list-style-type: none"> <li><b>MINIMUM 1</b> year contract</li> <li><b>MUST</b> have permanent Co-Researcher from the <b>same</b> institution</li> </ul>
	<ul style="list-style-type: none"> <li>PI with existing active LRGS must provide an evidence of 100 % completion.</li> <li>The evidence <b>MUST</b> shown in Mygrants Monitoring Module and verified by PPGP (RMC).</li> </ul>		
	<ul style="list-style-type: none"> <li>1 proposal only can be submitted.</li> </ul>		
	<ul style="list-style-type: none"> <li><b>Research related to human/animal – PI MUST attach the copy of application to the Ethic Committee as an evidence.</b></li> </ul>		

# Additional Criteria for LRGS (Pindaan Tahun 2018)

- Must be Multi-Disciplinary involving the 3 corpus: Science & Technology and Social Science Humanities (a must).
- Program Leader (Head) Must be a Malaysian Citizen.
- Program Leader (Head) Must be a permanent academician & must lead one of the subprograms (Projects).
- Minimum two(2) sub-programs must be lead by Malaysian Citizen.
- The research must be fundamental that can produce new theories, new ideas and futuristic innovative designs in the respective niche area that is strategic to push the boundary of knowledge; and Must be Cutting Edge; and
- Strategically pushing the boundary of knowledge towards research excellence especially;
- Research related to Humanities and Society to upgrade National and Regional Societal Values; or
- Research that has potential to contribute to the National Strategic Agenda.
- Staff on sabbatical (overseas or local) is not allowed to be the program/project leader. However he/she can be a member

# Governance of Research Funds

## TADBIR URUS DANA PENYELIDIKAN, KEMENTERIAN PENDIDIKAN MALAYSIA

BIL.	PERKARA	PERINGKAT KELULUSAN							
		FRGS	TRGS	PRGS	ERGS	RAGS	RACER	NRGS	LRGS
1.	Perubahan Skop / Objektif	JPT (*dalam tempoh 6 bulan pertama penyelidikan)							
2.	Pertukaran Ketua Program	-	JPT	-	-	-	-	JPT	JPT
3.	Pertukaran Ketua Projek	RMC	JPT	RMC	RMC	RMC	RMC	JPT	JPT
4.	Penambahan Ahli	RMC	JPT	RMC	RMC	RMC	RMC	JPT	JPT
5.	Pelanjutan Tempoh Pertama (maksimum enam (6) bulan)	RMC	JPT	RMC	RMC	RMC	RMC	JPT	JPT
6.	Pelanjutan Tempoh Kedua (maksimum enam (6) bulan)	JPT, KPM	JPT	Tidak dibenarkan (Fasa 1/2016)	JPT	Tidak dibenarkan	Tidak dibenarkan	JPT	JPT

# Governance of Research Funds (cont...)

## TADBIR URUS DANA PENYELIDIKAN, KEMENTERIAN PENDIDIKAN MALAYSIA

BIL.	ERKARA	PERINGKAT KELULUSAN							
		FRGS	TRGS	PRGS	ERGS	RAGS	RACER	NRGS	LRGS
7.	Permohonan Pindah Vot (Virement)	Sekali setahun. Amaun yang boleh dipinda tidak melebihi 50% daripada jumlah kelulusan asal mengikut vot.							
		RMC	JPT	JPT	RMC	RMC	Tidak dibenarkan	JPT	JPT
8.	Pembelian Peralatan Tiada dalam Proposal	JPT							
9.	Pengurusan Laporan Akhir (3 bulan selepas tamat tempoh)	Format Profil	Format Tesis	Format Profil	Format Profil	Format Profil	Format Profil	Format Tesis	Format Tesis
10.	Ketua Projek / Ahli Ke Luar Negara (Menghadiri Persidangan)	Kelulusan IPT / agensi tertakluk kepada kecukupan geran dan polisi IPT/ agensi							
		RMC	JPT	RMC	RMC	RMC	Tidak dibenarkan	JPT	JPT

Nota: Permohonan bagi Program TRGS/NRGS/LRGS perlu melalui Ketua Program

# Research Assistant

1. FRGS, TRGS & LRGS  
Graduate Research Assistant
2. PRGS  
Research Assistant (Non-Student)





# What happens when you are no longer working in UM



## 1. FRGS & PRGS

Can be negotiated to transfer to the New University if the new university has facilities to carry out the research. A new agreement has to be signed by the new university with JPT, KPM.

Decision to be made at TNC(P&I) level.

**“Transfer of grant to the new institution (for cases of PI has moved to a new institution in Malaysia) is allowed subject to agreement from various parties involved”**

## 2. TRGS & LRGS

New PI has to be appointed among the co-researchers from the same university.

# TRGS & LRGS : FINANCIAL REGULATION

VOTE	DESCRIPTION
V11000 Allowance for GRA only	<ul style="list-style-type: none"> <li>GRA full research with allowance RM 2,300 PhD and RM 1,800 Master.</li> <li>Please indicate total cost (including employer EPF) per month multiply by duration. e.g 1 PhD student <b>RM 2,553 X 12 months X 2 years = RM 61,272</b></li> </ul>
V21000 Travelling & Transportation	<ul style="list-style-type: none"> <li>Maximum 40% from total allocation (including 20% maximum for overseas trip).</li> <li>PI and Co-Researcher for attending conference (oral presentation).</li> <li>No overseas fieldwork.</li> </ul>
V24000 Rental	Instrument/ building space/ Transportation/ and any other items directly related to the project can be included.
V27000	<ul style="list-style-type: none"> <li>Please itemize - by unit.</li> </ul>

# TRGS & LRGS : FINANCIAL REGULATION

VOTE	DESCRIPTION
V28000 Maintenance and Minor Repair Services	Minor repair for existing lab, equipment related to the research.
V29000 Professional /Special Services	<ul style="list-style-type: none"><li>• Professional services, data processing, honorarium, consultation and expenses related to the project.</li><li>• No management fee.</li></ul>
V35000 Equipment	Not more than 40% of the total vote. The equipment must be related to the research.

# ROLE OF RESEARCHER/PI

1. Register in Mygrants System  
([mygrants.gov.my](http://mygrants.gov.my))
2. Update researcher profile and get verification from PPGP
3. DRAFT the proposal in the online system
4. Invite the Co-Researchers and ensure their acceptance
5. Submit the proposal



**Contact Info:**  
**Centre of Research Grant Management**  
**4<sup>th</sup> Floor, Research Management &**  
**Innovation Complex**  
**Phone No: 03-79674647/4522**  
**Fax No: 03-79674648**  
**<http://umresearch.um.edu.my/>**



thank  
you