



CHECKLIST

TRANSDISCIPLINARY RESEARCH UNIVERSITY (RUTrans) GRANT SCHEME APPLICATION
Senarai Semak Permohonan Skim Geran Universiti Penyelidikan Transdisiplinari (RUTrans)
 PROGRAM

NO. BIL	ITEM PERKARA	PLEASE CHECK SILA SEMAK		
	<i>Arahan kepada pemohon:- Sila kemukakan borang permohonan bersama dokumen sokongan dalam 1 salinan keras dan 1 salinan lembut (emel: rcmo@usm.my) /Please submit 1 hard copy and 1 soft copy (email to rcmo@usm.my) of the application form together with supporting documents</i>	Pemohon	JK Penyelidikan PTJ	RCMO
1	Completed Application Form <i>Borang Permohonan yang telah lengkap</i>			
2	Approval of Human/ Animal Ethical or Biosafety approval <i>Kelulusan Etika Manusia/ Haiwan atau 'Biosafety'</i> <input type="checkbox"/> Applicable <input type="checkbox"/> Not Applicable			
3	Flow Chart of Program and Project Activities <i>Carta alir aktiviti program</i>			
4	Gantt Chart of Program & Project Activities <i>Carta Gantt aktiviti program and projek</i>			
5	Milestones and Dates <i>Sasaran pencapaian dan tarikh</i>			
6	Justification of budget details <i>Justifikasi butiran bajet</i>			
7	Quotation of equipment(if applicable) <i>Sebut harga peralatan (sekiranya perlu)</i>			
8	Related evidence <i>Bahan bukti berkaitan</i>			
9	Applicant's CV <i>Butiran Ringkas Pemohon (Sila rujuk Lampiran A)</i>			
10	Co-researchers' CV <i>Butiran Ringkas Penyelidik bersama (Sila rujuk Lampiran A)</i>			
11	Signature of applicant's and Co-Researchers <i>Permohonan ditandatangani oleh pemohon dan Penyelidik Bersama</i>			
12	* Recommendation of PTJ's Evaluation Committee (Team Leader) <i>Saranan Jawatankuasa Penilaian Peringkat PTJ (Ketua Pasukan)</i>			
13	** Endorsement of Dean/ Director of PTJ's (Team Leader) <i>Kelulusan Dekan/ Pengarah PTJ (Ketua Pasukan)</i>			

Nota - * Untuk dipenuhi oleh Pengerusi Jawatankuasa Penilaian PTJ (JKPTJ)

** Untuk dipenuhi oleh Ketua PTJ

TRANSDISCIPLINARY RESEARCH UNIVERSITY (RUTrans) GRANT SCHEME APPLICATION
Borang Permohonan Skim Geran Universiti Penyelidikan Transdisiplinari (RUTrans)

One (1) hard copy and soft copy of this form must be submitted to the Research Creativity & Management Office (RCMO) USM. Form must be completed and with PTJ's endorsement. [Incomplete form will be rejected].

Satu salinan cetak dan salinan digital borang ini perlu diserahkan ke RCMO, USM. Borang perlu dilengkapi dengan perakuan PTJ. [Borang yang tidak lengkap akan ditolak].

A.	DETAILS OF RESEARCHER & PROGRAM / MAKLUMAT PENYELIDIK & PROGRAM
(i)	NAME OF PROGRAM LEADER : <i>Nama Ketua Program :</i>
(ii)	TITLE OF PROPOSED RESEARCH PROGRAM : <i>Tajuk Program Penyelidikan Yang Dicadangkan :</i>
(iii)	SDG KEY WORDS (MINIMUM 2) : <i>Kata kunci SDG (Minimum 2) :</i>
(iv)	PROGRAM CLUSTER : <i>Kluster Program :</i> <input type="checkbox"/> ENERGY <i>Tenaga</i> <input type="checkbox"/> BUSINESS & FINANCIAL SERVICES <i>Perkhidmatan Perniagaan dan Kewangan</i> <input type="checkbox"/> MEDICAL & HEALTHCARE <i>Perubatan dan Penjagaan Kesihatan</i> <input type="checkbox"/> AGRICULTURE <i>Pertanian</i> <input type="checkbox"/> WATER & FOOD <i>Air & Makanan</i>

(v)	PROGRAM CALLS : <i>Panggilan-Panggilan Program :</i>									
	<table border="0"> <tr> <td><input type="checkbox"/> CALL 1 : ENERGY</td> <td><input type="checkbox"/> CALL 6 : HIGH VALUE SEAFOOD</td> </tr> <tr> <td><input type="checkbox"/> CALL 2 : FINTECH IN ISLAMIC FINANCE</td> <td><input type="checkbox"/> CALL 7 : LOCAL SUPERFOOD</td> </tr> <tr> <td><input type="checkbox"/> CALL 3 : DIGITAL HEALTH</td> <td><input type="checkbox"/> CALL 8 : WATER POLLUTION</td> </tr> <tr> <td><input type="checkbox"/> CALL 4 : PRECISION MEDICINE</td> <td><input type="checkbox"/> CALL 9 : WATER RESOURCES MANAGEMENT</td> </tr> <tr> <td><input type="checkbox"/> CALL 5 : LOCAL AGRICULTURE INPUT</td> <td></td> </tr> </table>	<input type="checkbox"/> CALL 1 : ENERGY	<input type="checkbox"/> CALL 6 : HIGH VALUE SEAFOOD	<input type="checkbox"/> CALL 2 : FINTECH IN ISLAMIC FINANCE	<input type="checkbox"/> CALL 7 : LOCAL SUPERFOOD	<input type="checkbox"/> CALL 3 : DIGITAL HEALTH	<input type="checkbox"/> CALL 8 : WATER POLLUTION	<input type="checkbox"/> CALL 4 : PRECISION MEDICINE	<input type="checkbox"/> CALL 9 : WATER RESOURCES MANAGEMENT	<input type="checkbox"/> CALL 5 : LOCAL AGRICULTURE INPUT
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<input type="checkbox"/> CALL 3 : DIGITAL HEALTH	<input type="checkbox"/> CALL 8 : WATER POLLUTION									
<input type="checkbox"/> CALL 4 : PRECISION MEDICINE	<input type="checkbox"/> CALL 9 : WATER RESOURCES MANAGEMENT									
<input type="checkbox"/> CALL 5 : LOCAL AGRICULTURE INPUT										
(vi)	PROGRAM NICHE AREA : <i>Bidang Tujuh Program :</i>									
	<table border="0"> <tr> <td><input type="checkbox"/> Renewable Energy & Energy Storage System <i>Tenaga Boleh Diperbaharui & Sistem Penyimpanan Tenaga</i></td> </tr> <tr> <td><input type="checkbox"/> Fintech in Islamic Finance <i>Teknologi Kewangan dalam Kewangan Islam</i></td> </tr> <tr> <td><input type="checkbox"/> Digital Health <i>Kesihatan Digital</i></td> </tr> <tr> <td><input type="checkbox"/> Precision Medicine <i>Perubatan Jitu</i></td> </tr> <tr> <td><input type="checkbox"/> Local Agricultural Input <i>Input Pertanian Tempatan</i></td> </tr> <tr> <td><input type="checkbox"/> High-value Seafood <i>Makanan Laut Nilai Tinggi</i></td> </tr> <tr> <td><input type="checkbox"/> Local Superfood <i>Makanan Unggul (Superfood) Tempatan</i></td> </tr> <tr> <td><input type="checkbox"/> Water Pollution <i>Pencemaran Air</i></td> </tr> <tr> <td><input type="checkbox"/> Water Resources Management <i>Pengurusan Bersepadu Sumber Air</i></td> </tr> </table>	<input type="checkbox"/> Renewable Energy & Energy Storage System <i>Tenaga Boleh Diperbaharui & Sistem Penyimpanan Tenaga</i>	<input type="checkbox"/> Fintech in Islamic Finance <i>Teknologi Kewangan dalam Kewangan Islam</i>	<input type="checkbox"/> Digital Health <i>Kesihatan Digital</i>	<input type="checkbox"/> Precision Medicine <i>Perubatan Jitu</i>	<input type="checkbox"/> Local Agricultural Input <i>Input Pertanian Tempatan</i>	<input type="checkbox"/> High-value Seafood <i>Makanan Laut Nilai Tinggi</i>	<input type="checkbox"/> Local Superfood <i>Makanan Unggul (Superfood) Tempatan</i>	<input type="checkbox"/> Water Pollution <i>Pencemaran Air</i>	<input type="checkbox"/> Water Resources Management <i>Pengurusan Bersepadu Sumber Air</i>
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<input type="checkbox"/> Water Resources Management <i>Pengurusan Bersepadu Sumber Air</i>										

(vii)	SCIENCE & TECHNOLOGY ENABLERS : <i>Pemacu Sains & Teknologi</i> :														
	<div style="margin-bottom: 10px;"><input type="checkbox"/> 5G/6G <i>Rangkaian Tanpa Wayar (Wireless) Mudah Alih Bagi Generasi Ke-6 & Ke-5</i></div> <div style="margin-bottom: 10px;"><input type="checkbox"/> Sensor Technology <i>Teknologi Sensor</i></div> <div style="margin-bottom: 10px;"><input type="checkbox"/> 4D/5D Printing <i>Percetakan 4/5 Dimensi</i></div> <div style="margin-bottom: 10px;"><input type="checkbox"/> Advanced Materials <i>Bahan Termaju</i></div> <div style="margin-bottom: 10px;"><input type="checkbox"/> Advanced Intelligence Systems <i>Sistem Kecerdasan Termaju</i></div> <div style="margin-bottom: 10px;"><input type="checkbox"/> Cyber-Security & Encryption <i>Keselamatan Siber & Enkripsi</i></div> <div style="margin-bottom: 10px;"><input type="checkbox"/> Augmented Analytics & Data Discovery <i>Augmentasi Analitik & Penerokaan Data</i></div> <div style="margin-bottom: 10px;"><input type="checkbox"/> Blockchain <i>Sistem Blok Rantai</i></div> <div style="margin-bottom: 10px;"><input type="checkbox"/> Neuro Technology <i>Teknologi Neuro</i></div> <div style="margin-bottom: 10px;"><input type="checkbox"/> Bioscience Technology <i>Teknologi Biosains</i></div>														
(viii)	DOMAIN (PLEASE TICK FOR APPROPRIATE BOX) : <i>Domain (Sila tanda kotak berkenaan)</i> :														
	<p>a. Pure Science (Sains Tulen)</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;"><input type="checkbox"/> Chemistry <i>(Kimia)</i></td> <td style="width: 33%;"><input type="checkbox"/> Physic <i>(Fizik)</i></td> <td style="width: 33%;"><input type="checkbox"/> Biology <i>(Biologi)</i></td> </tr> <tr> <td><input type="checkbox"/> Biochemistry <i>(Biokimia)</i></td> <td><input type="checkbox"/> Materials Science <i>(Sains Bahan)</i></td> <td><input type="checkbox"/> Mathematics and Statistics <i>(Matematik dan Statistik)</i></td> </tr> </table> <p>b. Applied Science (Sains Gunaan)</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;"><input type="checkbox"/> Chemistry <i>(Kimia)</i></td> <td style="width: 33%;"><input type="checkbox"/> Physic <i>(Fizik)</i></td> <td style="width: 33%;"><input type="checkbox"/> Biology <i>(Biologi)</i></td> </tr> <tr> <td><input type="checkbox"/> Mathematics and Statistics <i>(Matematik dan Statistik)</i></td> <td><input type="checkbox"/> Computer Science <i>(Sains Komputer)</i></td> <td><input type="checkbox"/> Biotechnology <i>(Bioteknologi)</i></td> </tr> <tr> <td><input type="checkbox"/> Materials Science <i>(Sains Bahan)</i></td> <td></td> <td></td> </tr> </table>	<input type="checkbox"/> Chemistry <i>(Kimia)</i>	<input type="checkbox"/> Physic <i>(Fizik)</i>	<input type="checkbox"/> Biology <i>(Biologi)</i>	<input type="checkbox"/> Biochemistry <i>(Biokimia)</i>	<input type="checkbox"/> Materials Science <i>(Sains Bahan)</i>	<input type="checkbox"/> Mathematics and Statistics <i>(Matematik dan Statistik)</i>	<input type="checkbox"/> Chemistry <i>(Kimia)</i>	<input type="checkbox"/> Physic <i>(Fizik)</i>	<input type="checkbox"/> Biology <i>(Biologi)</i>	<input type="checkbox"/> Mathematics and Statistics <i>(Matematik dan Statistik)</i>	<input type="checkbox"/> Computer Science <i>(Sains Komputer)</i>	<input type="checkbox"/> Biotechnology <i>(Bioteknologi)</i>	<input type="checkbox"/> Materials Science <i>(Sains Bahan)</i>	
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<input type="checkbox"/> Mathematics and Statistics <i>(Matematik dan Statistik)</i>	<input type="checkbox"/> Computer Science <i>(Sains Komputer)</i>	<input type="checkbox"/> Biotechnology <i>(Bioteknologi)</i>													
<input type="checkbox"/> Materials Science <i>(Sains Bahan)</i>															

c. Technology and Engineering (*Teknologi dan Kejuruteraan*)

- | | | |
|---|--|---|
| <input type="checkbox"/> Mechanical & Manufacturing
(<i>Mekanikal dan Pembuatan</i>) | <input type="checkbox"/> Electrical and Electronic
(<i>Elektrikal dan Elektronik</i>) | <input type="checkbox"/> General
(<i>Awam</i>) |
| <input type="checkbox"/> Material and Polymer
(<i>Bahan dan Polimer</i>) | <input type="checkbox"/> Chemical Engineering
(<i>Kejuruteraan Kimia</i>) | <input type="checkbox"/> Information and Communication
Technology
(<i>Teknologi Komunikasi dan
Informasi</i>) |
| <input type="checkbox"/> Energy
(<i>Tenaga</i>) | <input type="checkbox"/> Transportation
(<i>Pengangkutan</i>) | |

d. Clinical and Health Sciences (*Sains Kesihatan dan Klinikal*)

- | | | |
|---|--|--|
| <input type="checkbox"/> Basic Medical Sciences
(<i>Sains Perubatan Asas</i>) | <input type="checkbox"/> Pharmacy
(<i>Farmasi</i>) | <input type="checkbox"/> Pharmacology
(<i>Farmakologi</i>) |
| <input type="checkbox"/> Medical Microbiology
(<i>Mikrobiologi Perubatan</i>) | <input type="checkbox"/> Parasitology
(<i>Parasitologi</i>) | <input type="checkbox"/> Pathology
(<i>Pathologi</i>) |
| <input type="checkbox"/> Community Medical Prevention
(<i>Perubatan Pencegahan
Masyarakat</i>) | <input type="checkbox"/> Clinical Surgical
(<i>Klinikal Surgikal</i>) | <input type="checkbox"/> Clinical Medical
(<i>Klinikal Medikal</i>) |
| <input type="checkbox"/> Associate Health Science
(<i>Sains Kesihatan Bersekutu</i>) | <input type="checkbox"/> Dental
(<i>Pergigian</i>) | <input type="checkbox"/> Nursing Science
(<i>Sains Kejururawatan</i>) |

e. Social Sciences (*Sains Sosial*)

- | | | |
|--|--|---|
| <input type="checkbox"/> Anthropology
(<i>Antropologi</i>) | <input type="checkbox"/> Psychology
(<i>Psikologi</i>) | <input type="checkbox"/> Sociology
(<i>Sosiologi</i>) |
| <input type="checkbox"/> Political Science
(<i>Sains Politik</i>) | <input type="checkbox"/> Management and Business
(<i>Pengurusan dan Perniagaan</i>) | <input type="checkbox"/> Geography
(<i>Geografi</i>) |
| <input type="checkbox"/> Economic
(<i>Ekonomi</i>) | <input type="checkbox"/> Human Ecology
(<i>Ekologi Manusia</i>) | <input type="checkbox"/> Communication
(<i>Komunikasi</i>) |

f. Arts and Applied Arts (*Sastera dan Sastera Ikhtisas*)

- | | | |
|--|---|--|
| <input type="checkbox"/> Language and Linguistic
(<i>Bahasa dan Linguistik</i>) | <input type="checkbox"/> Literature
(<i>Kesusasteraan</i>) | <input type="checkbox"/> Religion
(<i>Agama</i>) |
| <input type="checkbox"/> Philosophy
(<i>Falsafah</i>) | <input type="checkbox"/> Civilization
(<i>Tamadun</i>) | <input type="checkbox"/> History
(<i>Sejarah</i>) |
| <input type="checkbox"/> Art
(<i>Seni</i>) | <input type="checkbox"/> Culture
(<i>Budaya</i>) | <input type="checkbox"/> Education
(<i>Pendidikan</i>) |
| <input type="checkbox"/> Principle and Law
(<i>Dasar dan Undang-undang</i>) | <input type="checkbox"/> Built Environment
(<i>Alam Bina-
Aspek Kemanusiaan</i>) | <input type="checkbox"/> Environment
(<i>Alam Sekitar-
Aspek Kemanusiaan</i>) |

	g. Natural Sciences and National Heritage (Sains Tabii dan Warisan Negara)		
	<input type="checkbox"/> Environment (Alam Sekitar)	<input type="checkbox"/> Forestry (Perhutanan)	<input type="checkbox"/> Agriculture (Pertanian)
	<input type="checkbox"/> Marine (Marin)	<input type="checkbox"/> Archaeology (Arkeologi)	<input type="checkbox"/> Geology (Geologi)
	<input type="checkbox"/> Ethnography (Etnografi)	<input type="checkbox"/> Built Environment (Heritage Aspect) Alam Bina (Aspek Warisan)	<input type="checkbox"/> Culture (Budaya)
	<input type="checkbox"/> Various Biology (Kepelbagaian Biologi)		
(ix)	POSITION (PLEASE CHECK FOR APPROPRIATE BOX) : <i>Jawatan (Sila tanda kotak berkenaan) :</i>		
	<input type="checkbox"/> Professor <i>Profesor</i>	<input type="checkbox"/> Assoc.Prof. <i>Prof. Madya</i>	<input type="checkbox"/> Dr. <i>Dr.</i>
			<input type="checkbox"/> Mr./Mrs. <i>Tuan/Puan</i>
(x)	IDENTITY CARD NO./PASSPORT NO. : <i>No. kad pengenalan/No pasport :</i>		
(xi)	ResearcherID :	Author ID :	ORCID :
(xii)	SCHOOL/INSTITUTE/CENTRE/UNIT : <i>Pusat Pengajian /Institut/Pusat/Unit :</i>		
(xiii)	OFFICE TELEPHONE NO: <i>No. Telefon Pejabat :</i>		EMAIL ADDRESS: <i>Alamat e-mail :</i>
	HANDPHONE NO. : <i>No. Telefon bimbit :</i>		FACSIMILE NO. : <i>No. Faks :</i>
(xiv)	ACADEMIC POST : <i>Jawatan akademik :</i>		
(xv)	TYPE OF SERVICE (PLEASE CHECK FOR APPROPRIATE BOX) : <i>Jenis Perkhidmatan (Sila tanda kotak berkenaan) :</i>		
	<input type="checkbox"/> Permanent <i>Tetap</i>	<input type="checkbox"/> Contract (State contract expiry date): <i>Kontrak (Nyatakan tarikh tamat kontrak):</i>	
(xvi)	H-Index (SCOPUS) : <i>(Note : S & T: H-Index ≥ 8 & Non S & T: H-Index ≥ 4)</i> <i>(Nota : S & T: H-Index ≥ 8 & Bukan S & T: H-Index ≥ 4)</i>		
(xvii)	RESEARCH PAPERS : <i>Kertas Penyelidikan :</i> <i>(Note : S & T: WoS: ≥20 Research Papers & Non S & T: WoS: ≥10 Research Papers)</i> <i>(Nota : S & T: WoS: ≥20 Kertas Penyelidikan & Bukan S & T: WoS: ≥10 Kertas Penyelidikan)</i>		

(xviii)	<p>DURATION OF THIS PROGRAM : <i>Tempoh masa program ini</i> :</p> <p>*Duration : <i>Tempoh</i> :</p> <p>From : 20__ To :20__ <i>Dari</i> : <i>Sehingga</i> :</p> <p><i>*Maximum Duration : 3 years</i></p>
<p>B. PROGRAM INFORMATION / MAKLUMAT PROGRAM</p>	
(i)	<p>EXECUTIVE SUMMARY OF PROPOSED RESEARCH PROGRAM [maximum 300 words] <i>Ringkasan Eksekutif Cadangan Program Penyelidikan [maksimum 300 patah perkataan]</i></p> <p>(Please include the Research Background and Rationale Including Problem Statement, Objectives, Research Methodology, Expected Output, Outcome, Implication, Impact and Significance of the Research Program). <i>(Sila Nyatakan Keterangan Latar Belakang dan Rasional Kajian termasuk Pernyataan Masalah, Objektif, Kaedah Penyelidikan, Jangkaan Output, Hasil, Implikasi, Impak dan Kepentingan Program Penyelidikan).</i></p>
(ii)	<p>PROGRAM OBJECTIVE : <i>Objektif Program</i> :</p>

(iii)

PROGRAM MILESTONE

Carta Perbatuan Program

	Milestone Description <i>Perincian Perbatuan</i>	Schedule <i>Perancangan</i>	
		Month <i>Bulan</i>	Year <i>Tahun</i>
M1			
M2			
M3			
M4			
M5			
M6			
M7			

(iv)

RESEARCH BACKGROUND AND RATIONALE

(Including Problem Statement, Hypothesis/Research Questions, Literature Reviews, Related References and Relevance to the Sustainable Development Goals (SDGs) target [maximum 500 words])

KETERANGAN LATAR BELAKANG DAN RASIONAL KAJIAN

(termasuk Pernyataan Masalah, Hipotesis/Persoalan Penyelidikan, Sorotan Kajian, Rujukan Berkaitan dan Hubungkait dengan sasaran Matlamat Pembangunan Lestari (SDGs) [maksimum 500 patah perkataan]).

(v)	CONNECTIVITY BETWEEN PROJECTS IN THE PROGRAM <i>Hubungkait antara Projek Dalam Program</i>

<p>(vi)</p>	<p>DESCRIPTION OF METHODOLOGY [MAXIMUM 300 WORDS] (To include all contributions of projects under the programme) <i>Keterangan Metodologi [Maksimum 300 Patah Perkataan]</i> <i>(Mengambil Kira Semua Sumbangan Projek Di Bawah Program)</i></p>
<p>(vii)</p>	<p>EXPECTED IMPACT ON SOCIETY, ECONOMY, ENVIRONMENT, INDUSTRY AND NATIONAL POLICY (MUST BE TANGIBLE OUTPUT). <i>Jangkaan Impak terhadap Masyarakat, Ekonomi, Persekitaran, Industri dan Dasar Kebangsaan (mestilah hasil penyelidikan nyata/ketara)</i></p>
<p>(viii)</p>	<p>Novelty / New Findings / Knowledge <i>Novelti / Penemuan Baharu / Pengetahuan</i></p>

(ix) **Expected Results from this program**
Jangkaan Hasil Program

No. Bil:	Category/Number Kategori/Bilangan	20__	20__	20__	20__	20__
1.	Impact (Refer to B (vii)) <i>Impak (Rujuk B (vii))</i>					
2.	Research Publications (Specify target journals) <i>Penerbitan Penyelidikan (Nyatakan sasaran jurnal)</i>					
	At least three (3) journal publications for each project. <i>Sekurang-kurangnya tiga (3) penerbitan jurnal bagi setiap projek.</i> - S&T : WoS (60% indexed Q1/Q2) - Non S&T : WoS/SCOPUS/ERA/MyCite (60% indexed Q1/Q2) (At least one (1) SDGs Keyword & one (1) sub keyword) per article <i>(Sekurang-kurangnya satu (1) kata kunci dan satu (1) sub kata kunci SDG bagi setiap artikel).</i>					
3.	Talent (Full time PhD & Master Students (by research)) <i>Bakat (Pelajar PhD dan Sarjana Penuh Masa (mod penyelidikan))</i>					
4.	Intellectual Properties <i>Harta Intelek</i>					
5.	Possible External Research Grants to be Acquired <i>Jangkaan Geran Penyelidikan Luar Dipohon (Specific @ Potential Applications)</i> <i>Spesifik/Potensi Permohonan</i>					
6.	Networking & Linkages <i>Jaringan & Jalinan</i>					

Note : Item 1 to 5 are compulsory.
Nota: Perkara 1 hingga 5 adalah diwajibkan.

(x)	Summary of Program Proposed Budget By Projects : <i>Ringkasan Cadangan Bajet Program Mengikut Projek :</i>				
	No.	Sub Project Title <i>Tajuk Sub Project</i>	Project Leader <i>Ketua Projek</i>	School/Institute /Centre/Unit <i>Pusat Pengajian /Institut/ Pusat/Unit</i>	Budget (RM) <i>Bajet (RM)</i>
	1				
	2				
	3				
	4				
	5				
(xi)	List of Projects : <i>Senarai Projek :</i>				

Project No. <i>No. Projek</i>	1				
Project Title <i>Tajuk Projek</i>					
Membership <i>Keahlian</i>	Age* <i>Umur</i>	School/Institute /Centre/Unit <i>Pusat Pengajian /Institut/ Pusat/Unit</i>	Field <i>Bidang</i>	Years of Research Experience in USM <i>Tahun Pengalaman Penyelidikan di USM</i>	
Project Leader: <i>Ketua Projek</i>					
Member : <i>Ahli :</i>					
i)					
ii)					
iii)					
iv)					
v)					

* Required for committee to assess the sustainability of the research group

Project No. <i>No. Projek</i>	2				
Project Title <i>Tajuk Projek</i>					
Membership <i>Keahlian</i>	Age* <i>Umur</i>	School/Institute /Centre/Unit <i>Pusat Pengajian /Institut/ Pusat/Unit</i>	Field <i>Bidang</i>	Years of Research Experience in USM <i>Tahun Pengalaman Penyelidikan di USM</i>	
Project Leader: <i>Ketua Projek</i>					
Member : <i>Ahli :</i>					
i)					
ii)					
iii)					
iv)					
v)					

* Required for committee to assess the sustainability of the research group

Project No. <i>No. Projek</i>	3				
Project Title <i>Tajuk Projek</i>					
Membership <i>Keahlian</i>	Age* <i>Umur</i>	School/Institute /Centre/Unit <i>Pusat Pengajian /Institut/ Pusat/Unit</i>	Field <i>Bidang</i>	Years of Research Experience in USM <i>Tahun Pengalaman Penyelidikan di USM</i>	
Project Leader: <i>Ketua Projek</i>					
Member : <i>Ahli :</i>					
i)					
ii)					
iii)					
iv)					
v)					

* Required for committee to assess the sustainability of the research group

Project No. <i>No. Projek</i>	4				
Project Title <i>Tajuk Projek</i>					
Membership <i>Keahlian</i>	Age* <i>Umur</i>	School/Institute /Centre/Unit <i>Pusat Pengajian /Institut/ Pusat/Unit</i>	Field <i>Bidang</i>	Years of Research Experience in USM <i>Tahun Pengalaman Penyelidikan di USM</i>	
Project Leader: <i>Ketua Projek</i>					
Member : <i>Ahli :</i>					
i)					
ii)					
iii)					
iv)					
v)					

** Required for committee to assess the sustainability of the research group*

Project No. <i>No. Projek</i>	5				
Project Title <i>Tajuk Projek</i>					
Membership <i>Keahlian</i>	Age* <i>Umur</i>	School/Institute /Centre/Unit <i>Pusat Pengajian /Institut/ Pusat/Unit</i>	Field <i>Bidang</i>	Years of Research Experience in USM <i>Tahun Pengalaman Penyelidikan di USM</i>	
Project Leader: <i>Ketua Projek</i>					
Member : <i>Ahli :</i>					
i)					
ii)					
iii)					
iv)					
v)					

** Required for committee to assess the sustainability of the research group*

(xii) Program Risks
(Please tick ✓ in the appropriate box and provide risk details in the last column.)
Risiko Program
(Sila tanda ✓ pada kotak bersesuaian dan nyatakan maklumat risiko pada kolum terakhir.)

Risk Risiko	Low Rendah	Medium Sederhana	High Tinggi	Risk Details Maklumat Risiko
a) Technical Teknikal				
b) Timing Masa				
c) Budget Bajet				

(xiii) ETHICAL CLEARANCE :
Kelulusan Etika :

This program involves the use of :
Program ini melibatkan penggunaan :

Human objects (Indicate group :)
Objek manusia (Nyatakan kumpulan :)

Vertebrate Animals (Indicate species :)
Haiwan Verterbrat (Nyatakan spesies :)

Biohazards (indicates type:)
Biobahaya (Nyatakan jenis :)

Radiation hazards (indicate isotope :)
Bahaya Radiasi/Sinaran (Nyatakan isotop :)

C. SUSTAINABILITY AND IMPACT OF THE PROGRAM

i). Explain the multidisciplinary nature of this research
Terangkan sama ada penyelidikan ini menunjukkan penglibatan dari pelbagai disiplin

ii). **In line with the APEX Agenda, explain the contribution of this research in enhancing sustainability or supporting the “bottom billion”.**

Selari dengan Agenda APEX, terangkan sumbangan penyelidikan ini dalam meningkatkan kelestarian atau menyokong objektif ‘golongan terkebawah’.

iii). **Describe how this research can contribute in addressing these issues :**

Gambarkan bagaimana penyelidikan ini boleh menyumbang terhadap isu-isu berikut :

1. Socio-Economic Development (Nation Building)

Aspek sosial

2. Cultural aspects

Aspek budaya

3. Innovation aspects

Aspek inovasi

iv). **Please list down the involvement of external stakeholder :**

Sila senaraikan penglibatan pemegang taruh luar :

No. Bil.	Stakeholder Pemegang Taruh	Role Peranan	Contribution (Monetary / In kind) please state: Sumbangan (Kewangan / Berbentuk Benda/Barangan
1.			
2.			
3.			

D.	BUDGET <i>BAJET</i>						
	<p>Please indicate estimated budget for the Program as LAMPIRAN B (Excel). <i>Sila nyatakan anggaran bajet bagi cadangan penyelidikan seperti LAMPIRAN B (Excel).</i></p>						
E.	<p>DECLARATION BY APPLICANT / AKUANPEMOHON (Please tick [✓]) / (Sila Tanda [✓])</p>						
	<p>I hereby declare that; <i>Saya dengan ini mengaku bahawa:</i></p> <table border="1" data-bbox="188 464 1518 850"> <tr> <td data-bbox="188 464 256 573"></td> <td data-bbox="263 464 1518 573"> <p>1. All information stated here are accurate, USM has right right to reject has right to reject or to cancel the offer without prior notice if there is any inaccurate information given. <i>Semua maklumat yang diisi adalah benar, USM berhak menolak permohonan atau membatalkan tawaran pada bila-bila masa sekiranya keterangan yang dikemukakan adalah tidak benar.</i></p> </td> </tr> <tr> <td data-bbox="188 573 256 711"></td> <td data-bbox="263 573 1518 711"> <p>2. Application of this program is presented for the Transdisciplinary Research University (RUTrans) Grant Scheme. <i>Permohonan projek penyelidikan ini dikemukakan untuk memohon peruntukan di bawah Geran Universiti Penyelidikan Transdisiplinari (RUTrans)..</i></p> </td> </tr> <tr> <td data-bbox="188 711 256 850"></td> <td data-bbox="263 711 1518 850"> <p>3. Application of this program is also presented for the other reasearch grant/s (grant's name and total amount) <i>Permohonan projek penyelidikan ini juga dikemukakan untuk memohon peruntukan geran penyelidikan dari (nama geran dan jumlah dana)_____</i></p> </td> </tr> </table> <p>Date : <i>Tarikh :</i></p> <p>Applicant's Signature : <i>Tandatangan Pemohon :</i></p>		<p>1. All information stated here are accurate, USM has right right to reject has right to reject or to cancel the offer without prior notice if there is any inaccurate information given. <i>Semua maklumat yang diisi adalah benar, USM berhak menolak permohonan atau membatalkan tawaran pada bila-bila masa sekiranya keterangan yang dikemukakan adalah tidak benar.</i></p>		<p>2. Application of this program is presented for the Transdisciplinary Research University (RUTrans) Grant Scheme. <i>Permohonan projek penyelidikan ini dikemukakan untuk memohon peruntukan di bawah Geran Universiti Penyelidikan Transdisiplinari (RUTrans)..</i></p>		<p>3. Application of this program is also presented for the other reasearch grant/s (grant's name and total amount) <i>Permohonan projek penyelidikan ini juga dikemukakan untuk memohon peruntukan geran penyelidikan dari (nama geran dan jumlah dana)_____</i></p>
	<p>1. All information stated here are accurate, USM has right right to reject has right to reject or to cancel the offer without prior notice if there is any inaccurate information given. <i>Semua maklumat yang diisi adalah benar, USM berhak menolak permohonan atau membatalkan tawaran pada bila-bila masa sekiranya keterangan yang dikemukakan adalah tidak benar.</i></p>						
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	<p>3. Application of this program is also presented for the other reasearch grant/s (grant's name and total amount) <i>Permohonan projek penyelidikan ini juga dikemukakan untuk memohon peruntukan geran penyelidikan dari (nama geran dan jumlah dana)_____</i></p>						
F.	<p>RECOMMENDATION BY PTJ's EVALUATION COMMITTEE SARANAN OLEH JAWATANKUASA PENILAIAN PERINGKAT PTJ</p>						
(i)	<p>Please check for appropriate box: <i>Sila tandakan kotak berkenaan:</i></p> <p>Recommended: <i>Disarankan:</i></p> <p><input type="checkbox"/> A. To be modified by researcher <i>Untuk ditambahbaik oleh penyelidik</i></p> <p><input type="checkbox"/> B. To be evaluated by University Evaluation Committee <i>Untuk dinilai oleh Jawatankuasa Penilaian Universiti</i></p> <p><input type="checkbox"/> B. Not Recommended (Please specify reason) <i>Tidak disokong (Sila Nyatakan Sebab)</i></p> <p>General Comments: <i>Ulasan Umum:</i></p> <p>.....</p> <p>.....</p> <p>.....</p>						

.....
Signature and Stamp of Chairperson of PTJ's Evaluation Committee
Tandatangan dan Cop Pengerusi Jawatankuasa Penilaian PTJ

Date :
Tarikh :

G. RECOMMENDATION BY PTJ's HEAD OF DEPARTMENT (DEAN / DIRECTOR)
SARANAN OLEH KETUA JABATAN PTJ (DEKAN / PENGARAH)

(ii) **I hereby declare and certify that this application had satisfied the checklist of research grant application form and this application had never been implemented at the PTJ level.**
Dengan ini, saya mengesahkan bahawa permohonan ini telah memenuhi kesemua senarai semak yang diperlukan dan projek penyelidikan ini belum pernah dilaksanakan di peringkat PTJ.

.....
Signature and Stamp of Dean/ Director of PTJ's
Tandatangan dan Cop Dekan/ Pengarah PTJ

Date :
Tarikh :

Note: All applications submitted will be treated with strictest confidentiality and the decision of the University Evaluation Committee is final.
Semua permohonan dianggap sulit dan keputusan Jawatankuasa Penilaian Universiti adalah muktamad.