



UPNM
National Defence University of Malaysia
Kewajipan • Maruah • Integriti

UNIVERSITI PERTAHANAN NASIONAL MALAYSIA
PUSAT PENGURUSAN PENYELIDIKAN DAN INOVASI

**SHORT TERM GRANT
APPLICATION FORM**
[Incomplete form will be rejected]

A	<p>TITLE OF PROPOSED RESEARCH: <i>Tajuk penyelidikan yang dicadangkan :</i></p>
B DETAILS OF RESEARCHER / MAKLUMAT PENYELIDIK	
B(i)	<p>Name of Project Leader: <i>Nama Ketua Projek:</i></p> <p>Identity card no.: <i>No. Kad Pengenalan :</i></p>
B(ii)	<p>Position (Please tick): <i>Jawatan (Sila tanda):</i></p> <p> <input type="checkbox"/> Professor <i>Profesor</i> <input type="checkbox"/> Associate Professor <i>Prof. Madya</i> <input type="checkbox"/> Lecturer <i>Pensvarah</i> <input type="checkbox"/> Others (please specify) <i>Lain-lain(sila nyatakan)</i> </p> <p>DS/DG: _____</p>
B(iii)	<p>Faculty /School/Centre/Unit (Please provide full address): <i>Fakulti /Jabatan /Pusat/Unit (Sila nyatakan alamat penuh):</i></p>
B(iv)	<p>Office Telephone No.: <i>No. Telefon Pejabat:</i></p> <p>Handphone No.: <i>No. Telefon Bimbit:</i></p>
B(v)	<p>E-mail Address: <i>Alamat e-mel:</i></p>
B(vi)	<p>Date of first appointment with this University: <i>Tarikh mula berkhidmat dengan Universiti ini:</i></p>

<p>B(vii)</p>	<p>Type of Service (Please circle): <i>Jenis Perkhidmatan(Sila bulatkan):</i></p> <p> <input type="checkbox"/> Permanent <i>Tetap</i> </p> <p> <input type="checkbox"/> Contract (State contract expiry date): <i>Kontrak (Nyatakan tarikh tamat kontrak):</i> _____ </p>
<p>C RESEARCH INFORMATION / MAKLUMAT PENYELIDIKAN</p>	
<p>C(i)</p>	<p>Research Cluster (Please tick (√)): <i>Kluster Penyelidikan (Sila tanda (√)):</i></p> <p>A. Pure Science (Sains Tulen)</p> <p> <input type="checkbox"/> Chemistry <i>(Kimia)</i> </p> <p> <input type="checkbox"/> Physic <i>(Fizik)</i> </p> <p> <input type="checkbox"/> Biology <i>(Biologi)</i> </p> <p> <input type="checkbox"/> Biochemistry <i>(Biokimia)</i> </p> <p> <input type="checkbox"/> Materials Science <i>(Sains Bahan)</i> </p> <p> <input type="checkbox"/> Mathematics and Statistics <i>(Matematik dan Statistik)</i> </p> <p>B. Applied Science (Sains Gunaan)</p> <p> <input type="checkbox"/> Chemistry <i>(Kimia)</i> </p> <p> <input type="checkbox"/> Physic <i>(Fizik)</i> </p> <p> <input type="checkbox"/> Biology <i>(Biologi)</i> </p> <p> <input type="checkbox"/> Mathematics and Statistics <i>(Matematik dan Statistik)</i> </p> <p> <input type="checkbox"/> Biotechnology <i>(Bioteknologi)</i> </p> <p> <input type="checkbox"/> Materials Science <i>(Sains Bahan)</i> </p> <p>C. Technology and Engineering (Teknologi dan Kejuruteraan)</p> <p> <input type="checkbox"/> Mechanical & Manufacturing <i>(Mekanikal dan Pembuatan)</i> </p> <p> <input type="checkbox"/> Electrical and Electronic <i>(Elektrikal dan Elektronik)</i> </p> <p> <input type="checkbox"/> Civil and Structural <i>(Awam dan Struktur)</i> </p> <p> <input type="checkbox"/> Material and Polymer <i>(Bahan dan Polimer)</i> </p> <p> <input type="checkbox"/> Chemical Engineering and Processing <i>(Kejuruteraan Kimia dan Proses)</i> </p> <p> <input type="checkbox"/> Energy and Green Technology <i>(Tenaga dan Teknologi Hijau)</i> </p> <p> <input type="checkbox"/> Infrastructure and Transportation <i>(Infrastruktur dan Pengangkutan)</i> </p> <p> <input type="checkbox"/> Construction and Construction Materials <i>(Pembinaan dan Bahan Binaan)</i> </p> <p> <input type="checkbox"/> Aerospace <i>(Aeroangkasa)</i> </p>

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"/> Business and Management
(<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"/> Policies 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*)

Environment
(*Alam Sekitar*)

Forestry
(*Perhutanan*)

Agriculture
(*Pertanian*)

Marine
(*Marin*)

Archaeology
(*Arkeologi*)

Geoscience
(*Geosains*)

Ethnography
(*Etnografi*)

Built Environment
(*Heritage Aspect*)
Alam Bina (Aspek Warisan)

Culture
(*Budaya*)

Biodiversity
(*Kepelbagaian Biologi*)

H. Information and Communication Technology (*Teknologi Maklumat dan Komunikasi*)

Software and Information System
(*Perisian dan Sistem Maklumat*)

Soft Computing
(*Pengkomputeran Lembut*)

Computer Networking
(*Rangkaian Komputer*)

Information Security
(*Keselamatan Maklumat*)

Multimedia
(*Multimedia*)

Computer Engineering
(*Kejuruteraan Komputer*)

Computer Science
(*Sains Komputer*)

C(ii)

Location of Research:

Tempat penyelidikan dijalankan:

(Contoh / Example) : Animal Experimental Unit, Animal Laboratory Center, Faculty of Medicine, University Malaya, 50603 Lembah Pantai, Kuala Lumpur

C(iii)

Duration of this research (Maximum 24 months):

Tempoh masa penyelidikan ini (Maksimum 24 bulan):

Duration: _____
Tempoh :

From : _____
Dari :

To : _____
Hingga

C(iv)	Other Researchers: <i>Ahli-ahli penyelidik yang lain:</i> <i>(Please include your curriculum vitae if necessary)</i>					
	Bil	Name Nama	IC No. No. ID	Faculty/ School/ Centre/ Unit Fakulti/ P.Pengajian/ Pusat/Unit	Academic Qualification/ Designation Tahap Kelayakan Akademik/Jawatan	Signature Tandatangan
	1					
	2					
	3					
	4					
C(v)	Research projects that have been completed or ongoing by researchers for the last three years. Please provide title of research, duration, year commence and year ending. <i>Sila sediakan maklumat termasuk termasuk tajuk, tempoh, tahun mula dan tahun tamat bagi penyelidikan yang sedang/ telah dijalankan oleh penyelidik-penyelidik di dalam tempoh tiga tahun terakhir.</i>					
	Title of research Tajuk penyelidikan			Duration Tempoh	Beginning year Tarikh mula	Ending year Tarikh tamat
C(vi)	Please furnish information on academic publications that has been published by the researchers for the last five (5) years.(Example: Journals, Books, Chapters in books etc) <i>Sila kemukakan maklumat berkaitan penerbitan akademik yang telah diterbitkan oleh penyelidik dalam tempoh lima (5) tahun terakhir. (Contoh: Jurnal, buku, bab dalam buku dll)</i>					

	Title of publication <i>Tajuk penerbitan</i>	Name of journals/books <i>Nama jurnal/buku</i>	Year published <i>Tahun diterbitkan</i>
		<i>Contoh:Malaysian Law Journal</i>	
C(vii)	Executive Summary of Research Proposal (maximum 300 words) (Please include the background of research, literature reviews, objectives, research methodology and expected outcomes from the research project) <i>Ringkasan Cadangan Eksekutif Penyelidikan (maksima 300 patah perkataan)</i> <i>(Meliputi latar belakang penyelidikan, kajian literatur, kaedah penyelidikan, objektif dan jangkaan hasil penyelidikan)</i>		
C(viii)	Detailed proposal of research project: <i>Cadangan maklumat penyelidikan secara terperinci:</i> (a) Research background including Hypothesis /Research Questions and Literature Reviews. <i>Keterangan latar belakang penyelidikan termasuk kenyataan hipotesis / persoalan penyelidikan dan kajian literatur.</i> (b) Objective (s) of the Research <i>Objektif Penyelidikan</i> Example /Contoh: <i>This study embarks on the following objectives:</i> 1) <i>To investigate</i> 2) <i>To assess.....</i> 3) <i>To investigate</i> 4) <i>To make recommendation based on</i>		

(c) Methodology

Kaedah penyelidikan

Please state in the form / Sila nyatakan di borang ini

- 1. Description of Methodology**
- 2. Flow Chart of Research Activities (Please enclose in the Appendix)**
- 3. Gantt Chart of Research Activities (Please enclose in the Appendix)**
- 4. Milestones and Dates**

(d) Expected Results/Benefit

Jangkaan Hasil Penyelidikan

- 1. Novel theories/New findings/Knowledge**
- 2. Research Publications**
- 3. Specific or Potential Applications**
- 4. Number of PhD and Masters (by research) Students**

D	ACCESS TO EQUIPMENT AND MATERIAL / KEMUDAHAN SEDIA ADA UNTUK KEGUNAAN BAGI PENYELIDIKAN INI			
	<p style="text-align: center;">University <i>Universiti</i></p>	<p style="text-align: center;">Other Sources or Places <i>Lain-lain tempat/sumber</i></p>		
	<p>Example / Contoh:</p> <p>Equipments:</p>			
E	BUDGET /BELANJAWAN			
	<p style="text-align: center;">Please indicate your estimated budget for this research and details of expenditure. Sila nyatakan anggaran bajet bagi cadangan penyelidikan ini dan berikan butir – butir perbelanjaan lengkap.</p>			
	<p style="text-align: center;">Budget details <i>Butiran belanjawan</i></p>	<p style="text-align: center;">Year 1 Tahun 1 (RM)</p>	<p style="text-align: center;">Year 2 Tahun 2 (RM)</p>	<p style="text-align: center;">Total Jumlah (RM)</p>
E(i)	<p>Vote 21000 - Travelling and Transportation/ Perjalanan dan Pengangkutan</p>			
E(ii)	<p>Vote 24000 - Rental Sewaan</p>			

E(iii)	Vote 27000 - Research Materials & Supplies <i>Bekalan dan Bahan Penyelidikan</i>			
E(iv)	Vote 28000 - Maintenance and Minor Repair Services <i>Baik pulih kecil dan ubahsuai</i>			
E(v)	Vote 29000 - Professional and Special Services <i>Perkhidmatan Ikhtisas dan Khas</i>			
E(vi)	Vote 35000 - Accessories and Equipment <i>Aksesori dan Peralatan</i>			
E(vii)	Vote 11000 – Wages and Salaries <i>Upah dan gaji</i>			
TOTAL AMOUNT JUMLAH BESAR				

F

Declaration by applicant / Akuan Pemohon
(Please tick (√)): / (Sila tanda (√)):

I hereby declare that:

Saya dengan ini mengaku bahawa:

All information stated here are accurate, PPPI, UPM has right to reject or to cancel the offer without prior notice if there is any inaccurate information given.

Semua maklumat yang diisi adalah benar, PPPI, UPM berhak menolak permohonan atau membatalkannya pada bila-bila masa sekiranya keterangan yang dikemukakan adalah tidak benar.

Date :

Tarikh :

Applicant's Signature :

Tandatangan Pemohon : _____

Recommended by Dean/Director/Deputy Deputy Dean/Deputy Director

Perakuan Dekan/ Pengarah/Timbalan Dekan/ /Timbalan Pengarah

Recommended:

Diperakukan:

A. Recommended

Disokong

B. Not Recommended (Please specify reason)

Tidak Disokong (Sila Nyatakan Sebab)

Comments:

Ulasan:

Name:

Nama:

Signature:

Tandatangan:

Date:

Tarikh:

G Recommended by Vice Chancellor/Deputy Vice Chancellor (Research and Innovation)/Director of Research Management Center
Perakuan Naib Canselor/Timbangan Naib Canselor(P & I)/Pengarah Pusat Pengurusan Penyelidikan

Please tick (✓)
Sila tandakan (✓)

Recommended:
Diperakukan:

A. Recommended
Disokong

B. Not Recommended (Please specify reason)
Tidak Disokong (Sila Nyatakan Sebab)

Comments:
Ulasan:

Name:
Nama:

Signature:
Tandatangan:

Date:
Tarikh: