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| **Ruj. Fail :** |  |
| **Kod Projek :** |  |

 **(Diisi oleh PPPI)**

PINDAAN 2021

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|  **UNIVERSITI PERTAHANAN NASIONAL MALAYSIA*****PUSAT PENGURUSAN PENYELIDIKAN DAN INOVASI***C:\Users\UPNM\Desktop\Logo Baru UPNM.jpg  SELF-FUND **APPLICATION FORM** *[Incomplete form will be rejected]* |
| **A** | **TITLE OF PROPOSED RESEARCH:***Tajuk penyelidikan yang dicadangkan :* |
| **B** | **DETAILS OF RESEARCHER** / *MAKLUMAT PENYELIDIK*  |
| **B(i)** | Name of Project Leader: Identity card no.:*Nama Ketua Projek:* *No. Kad Pengenalan :*  |
| **B(ii)** |  **Position (Please tick):***Jawatan (Sila tanda):*  **Professor** **Associate Professor** **Lecturer** **Others (please specify)** *Profesor*  *Prof. Madya* *Pensyarah Lain-lain(sila nyatakan)*DS/DG:  --------------------------------- --------------------------------- |
| **B(iii)** | **Faculty /School/Centre/Unit (Please provide full address):***Fakulti /Jabatan /Pusat/Unit (Sila nyatakan alamat penuh):*   |
| **B(iv)** | **Office Telephone No.:** **Handphone No.:***No. Telefon Pejabat: No. Telefon Bimbit:*   |
| **B(v)** |  **E-mail Address:***Alamat e-mel:* |
| **B(vi)** | **Date of first appointment with this University:***Tarikh mula berkhidmat dengan Universiti ini****:*** |
| **B(vii)** | **Type of Service (Please circle):***Jenis Perkhidmatan(Sila bulatkan):*  **Permanent Contract (State contract expiry date):** *Tetap Kontrak (Nyatakan tarikh tamat kontrak)*: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  |
| **C** | **RESEARCH INFORMATION /** MAKLUMAT PENYELIDIKAN |
| **C(i)** | **Research Cluster (Please tick** *( √ )):**Kluster Penyelidikan (Sila tanda ( √ )):*  1. **Pure Science** (*Sains Tulen)*

 Chemistry Physic Biology  *(Kimia) (Fizik) (Biologi*)  Biochemistry Materials Science Mathematics and Statistics  *(Biokim*ia) *(Sains Bahan) (Matematik dan Statistik)* **B. Applied Science** (*Sains Gunaan*)   Chemistry Physic Biology  *(Kimia) (Fizik) (Biologi*)   Mathematics and Statistics Biotechnology Materials Science  *(Matematik dan Statistik) (Bioteknologi) (Sains Bahan)*   **C. Technology and Engineering** (*Teknologi dan Kejuruteraan)*Mechanical & Manufacturing Electrical and Electronic Civil and Structural *(Mekanikal dan Pembuatan) (Elektrikal dan Elektronik) (Awam dan Struktur)*    Material and Polymer Chemical Engineering Energy and Green Technology  *(Bahan dan Polimer)* and Processing *(Tenaga dan Teknologi Hijau)*  (*Kejuruteraan Kimia dan*  *Proses)*  Infrastructure and Construction and Aerospace  Transportation Construction Materials (Aeroangkasa)  *(Infrastruktur dan (Pembinaan dan Bahan* *Pengangkutan) Binaan)*  **D. Clinical and Health Sciences***(Sains Kesihatan dan Klinikal)*Basic Medical Sciences Pharmacy Pharmacology *(Sains Perubatan Asas) (Farmasi) (Farmakologi)* Medical Microbiology Parasitology Pathology *(Mikrobiologi Perubatan) (Parasitologi) (Pathologi)*Community Medical Prevention [Clinical Surgical](http://www.google.com.my/search?q=Clinical+surgical&hl=en&client=firefox-a&sa=X&rls=org.mozilla:en-US:official&prmd=v&source=univ&tbs=vid:1&tbo=u&ei=qaL8S9qICcK5rAeg0cHuAQ&oi=video_result_group&ct=title&resnum=4&ved=0CCsQqwQwAw) Clinical Medical *(Perubatan Pencegahan (Klinikal Surgikal) (Klinikal Medikal)*  *Masyarakat)*  [Associate Health Science](http://www.academicinfo.net/online-degrees/associate/health-science) Dental Nursing Science *(Sains Kesihatan Bersekutu) (Pergigian) (Sains Kejururawatan*)  **E.** **Social Sciences** (*Sains Sosial)*Anthropology Psychology Sociology *(Antropologi) (Psikologi) (Sosiologi*)  [Political Science](http://www.unc.edu/depts/wcweb/handouts/polisci.html) Business and [Management](http://www.google.com.my/aclk?sa=l&ai=CCKIkCqb8S-GgBcGBrQfyidVj9uu2T5zv0csS1ImOmwIIABABUNCn_uj7_____wFgy9P_hIwXoAHQw-30A8gBAaoEFk_Q5nxCXm47k92xQ3vTb7VQCXrR5pg&sig=AGiWqtzFSFyXY60wU6Xw4BZSo93N1g4_eA&adurl=http://www.biztree.com%3Fcm_source%3Dgo-sw%26cm_adgroup%3DC002%26cm_kw%3Dmanagement%2520and%2520business)  Geography *(Sains Politik) (Pengurusan dan Perniagaan) (Geografi)*    Economic Human Ecology Communication  *(Ekonomi) (Ekologi Manusia) (Komunikasi)* **F. Arts and Applied Arts** (*Sastera dan Sastera Ikhtisas)* LanguageandLinguistic Literature Religion*(Bahasa dan Linguistik) (Kesusasteraan) (Agama)*   Philosophy Civilization History  *(Falsafah) (Tamadun) (Sejarah*)  Art Culture Education *(Seni) (Budaya) (Pendidikan)*  Policies and Law Built Environment Environment *(Dasar dan Undang-undang) (Alam Bina- (Alam Sekitar-* *Aspek Kemanusiaan) Aspek Kemanusiaan)*  **G. Natural Sciences and National Heritage** (*Sains Tabii dan Warisan Negara)*   Environment Forestry Agriculture *(Alam Sekitar) (Perhutanan) (Pertanian)*  Marine Archaeology Geoscience *(Marin) (Arkeologi) (Geosains)*   Ethnography Built Environment Culture *(Etnografi)* (Heritage Aspect*) (Budaya)* *Alam Bina (Aspek Warisan)*  Biodiversity *(Kepelbagaian Biologi)*  **H. Information and Communication Technology** (*Teknologi Maklumat dan Komunikasi)* Software and Information System Soft Computing Computer Networking *(Perisian dan Sistem Maklumat) (Pengkomputeran Lembut)*  *(Rangkaian Komputer)*  Information Security Multimedia Computer Engineering *(Keselamatan Maklumat) (Multimedia) (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 36 months):** *Tempoh masa penyelidikan ini (Maksimum 36 bulan):* **Duration: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  *Tempoh* : **From : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** *Dari* :  **To : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  *Hingga*  |
| **C(iv)** | **Other Researchers:***Ahli-ahli penyelidik yang lain:**(Please include your curriculum vitae if necessary)* |
| **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* |
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| **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.** *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.* |
| **Title of research***Tajuk penyelidikan* | **Duration***Tempoh* | **Beginning year** *Tarikh mula* | **Ending year***Tarikh tamat* |
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| **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)***Sila kemukakan maklumat berkaitan penerbitan akademik yang telah diterbitkan oleh penyelidik dalam tempoh lima (5) tahun terakhir. (Contoh: Jurnal, buku, bab dalam buku dll)* |
| **Title of publication***Tajuk penerbitan* | **Name of journals/books***Nama jurnal/buku* | **Year published***Tahun diterbitkan* |
|  | *Contoh:Malaysian Law Journal* |  |
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| **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)***Ringkasan Cadangan Eksekutif Penyelidikan (maksima 300 patah perkataan)**(Meliputi latar belakang penyelidikan, kajian literatur, kaedah penyelidikan, objektif dan jangkaan hasil penyelidikan)* |
| **C(viii)** | **Detailed proposal of research project:***Cadangan maklumat penyelidikan secara terperinci:***(a) Research background including Hypothesis /Research Questions and Literature Reviews**. *Keterangan latar belakang penyelidikan termasuk kenyataan hipotesis / persoalan penyelidikan dan kajian literatur*. **(b) Objective (s) of the Research** *Objektif Penyelidikan* **Example** /*Contoh:*  ***This study embarks on the following objectives:**** 1. *To investigate ......*

 *2) To assess..........*  *3) To investigate ......*1. *To make recommendation based on ......................*

**(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***
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| **D** | **ACCESS TO EQUIPMENT AND MATERIAL /** *KEMUDAHAN SEDIA ADA UNTUK KEGUNAAN BAGI PENYELIDIKAN INI* |
|  | **University***Universiti* | **Other Sources or Places***Lain-lain tempat/sumber* |
| **Example */*** *Contoh****:******Equipments:*** |  |
| **E** | **BUDGET /BELANJAWAN** |
|  | **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.*** |
|  | **Budget details***Butiran belanjawan* | **Year 1**Tahun 1 (RM) | **Year 2**Tahun 2(RM) | **Total**Jumlah (RM) |
| **E(i)** | **Vote 21000 -** **Travelling and Transportation/***Perjalanan dan Pengangkutan* |  |  |  |
| **E(ii)** | **Vote 24000 -** **Rental***Sewaan* |  |  |  |
| **E(iii)** | **Vote 27000 -** **Research Materials & Supplies** *Bekalan dan Bahan Penyelidikan* |  |  |  |
| **E(iv)** | **Vote 28000 -** **Maintenance and Minor Repair Services***Baik pulih kecil dan ubahsuai* |  |  |  |
| **E(v)** | **Vote 29000 -** **Professional and Special Services** *Perkhidmatan Ikhtisas dan Khas* |  |  |  |
| **E(vi)** | **Vote 35000 -** **Accessories and Equipment***Aksesori dan Peralatan* |  |  |  |
| **E(vii)** | **Vote 11000 –****Wages and Salaries***Upah dan gaji* |  |  |  |
| **TOTAL AMOUNT***JUMLAH BESAR* |  |  |  |

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| **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, UPNM 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, UPNM berhak menolak permohonan atau membatalkannya pada bila-bila masa sekiranya keterangan yang dikemukakan adalah tidak benar.***Date : Applicant’s Signature :***Tarikh : 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: Signature:***Nama: Tandatangan:*  **Date:***Tarikh:* |
| **G** | **Recommended by Vice Chancellor/Deputy Vice Chancellor (Research and Innovation)/Director of Research Management Center***Perakuan Naib Canselor/Timbalan 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: Signature:***Nama: Tandatangan:*  **Date:***Tarikh:* |