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| **Kod Rujukan:** |  |

**BORANG RACE (R1)**

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| http://www.moe.gov.my/cms/upload_files/images/UKK/11%20Nov%202013/LOGO%20KPM%202013%20BI-01.png  **JABATAN PENGAJIAN TINGGI**  **KEMENTERIAN PENDIDIKAN MALAYSIA**  ***RESEARCH ACCULTURATION COLLABORATIVE EFFORT (RACE)* GRANT SCHEME**  **APPLICATION FORM**  *One (1) copy of this form duly completed must be submitted to RACE Secretariat, Research Management Centre, Office of The Deputy Vice Chansellor (Research & Innovation), Universiti Putra Malaysia,*  *43400 UPM Serdang, Selangor Darul Ehsan*  *[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 (Mentee) IC / Passport Number:  *Nama Ketua Projek (Mentee):* *No. Kad Pengenalan/ Pasport:*  Name of Project Members (Mentor) IC / Passport Number:  *Nama Ahli Projek (Mentor):* *No. Kad Pengenalan/ Pasport:* | | | | | | | | | | | | | | | | | | | |
| **B(ii)** | **Position of Projek Leader (Mentee) (Please tick** *( √ )***):**  *Jawatan Ketua Projek (Mentee) (Sila tanda ( √ )*)*:*    **Senior Lecturer** **Lecturer**  *Pensyarah Kanan* *Pensyarah*  \***Grade DS 52 and below**  *Gred DS 52 dan kebawah*  **Position of Projek Member (Mentor)(Please tick** *( √ )***):**  *Jawatan Ahli Projek (Mentor) (Sila tanda ( √ )*)*:*    **Professor** **Associate Professor**  *Profesor*  *Profesor Madya* | | | | | | | | | | | | | | | | | | | |
| **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 tick** *( √ )***):**  *Jenis Perkhidmatan (Sila tanda ( √ )):*  **Permanent Contract (State contract expiry date):**  *Tetap Kontrak (Nyatakan tarikh tamat kontrak)*: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | | | | | | | | | | | | | | | | | | |
| **B(viii)** | **Collaborative Research Partners:** *(Please include CV for each researchers)*  ***PLEASE REFER TO RU DIRECTORY OF EXPERTISE*** | | | | | | | | | | | | | | | | | | | |
| **Bil** | **Name**  *Nama* | | | | **IC / Passport Number:**  *No. Kad Pengenalan/ Pasport:* | | | | | **Institution**  *Institusi* | | | | | **Academic Qualification/**  **Designation**  *Tahap Kelayakan Akademik/Jawatan* | | | **Signature**  *Tandatangan* | |
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| **C** | **RESEARCH INFORMATION /** MAKLUMAT PENYELIDIKAN | | | | | | | | | | | | | | | | | | | |
| **C(i)** | **Research Area (Please tick** *( √ )):*  *Bidang Penyelidikan (Sila tanda ( √ )):*     1. **Pure Science** (*Sains Tulen)*   Chemistry Physics 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 Computer Science Biotechnology  *(Matematik dan Statistik) (Sains Komputer) (Bioteknologi)*    Materials Science  *(Sains Bahan)*  **C. Technology and Engineering** (*Teknologi dan Kejuruteraan)*  Mechanical & Manufacturing Electrical and Electronic Civil  *(Mekanikal dan Pembuatan) (Elektrikal dan Elektronik) (Awam)*    Material and Polymer Chemical Engineering Information and Communication  *(Bahan dan Polimer)* (*Kejuruteraan Kimia)* Technology  *(Teknologi Komunikasi dan Informasi)*  Energy Transportation  (*Tenaga) (Pengangkutan)*    **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)*  Principle 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 Geology  *(Marin) (Arkeologi) (Geologi)*    Ethnography Built Environment Culture  *(Etnografi)* (Heritage Aspect*) (Budaya)*  *Alam Bina (Aspek Warisan)*  Biodiversity  *(Kepelbagaian Biologi)*  **H. Defence and Security** *(Pertahanan dan Keselamatan)*  Strategic & Policy Studies Cyber Security National Security & Public Wellbeing  (*Pengajian Strategik & Polisi) (Keselamatan Siber) (Keselamatan Negara & KesejahteraanAwam)*  Defence Technology Defence Management Aerospace & Maritime  (*Teknologi Pertahanan*) (*Pengurusan Pertahanan)* (*Aeroangkasa & Maritim)* | | | | | | | | | | | | | | | | | | | |
| **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)** | **Research projects that have been completed or ongoing by project leader for the last three years. Please provide title of research, grant’s name, position, duration, year commence and year ending.**  *Sila sediakan maklumat termasuk termasuk tajuk, nama geran, peranan, tempoh, tahun mula dan tahun tamat bagi penyelidikan yang sedang/telah dijalankan oleh ketua penyelidik dalam tempoh tiga tahun terakhir.* | | | | | | | | | | | | | | | | | | | |
| **Title of Research**  *Tajuk penyelidikan* | | | **Grant’s Name**  *Nama Geran* | | | | **Position / Role**  *Jawatan / Peranan* | | | | | | **Duration**  *Tempoh* | | | **Start Date**  *Tarikh mula* | | | **End Date**  *Tarikh tamat* |
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| **C(v)** | **Please provide information on academic publications that has been published by the project leader for the last five (5) years. (Example: Journals, Books, Chapters in books, etc)**  *Sila kemukakan maklumat berkaitan penerbitan akademik yang telah diterbitkan oleh ketua 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(vi)** | **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 (maksimum 300 patah perkataan)*  *(Meliputi latar belakang penyelidikan, kajian literatur, kaedah penyelidikan, objektif dan jangkaan hasil penyelidikan)* | | | | | | | | | | | | | | | | | | | |
| **C(vii)** | **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*** | | | | | | | | | | | | | | | | | | | |
| **D** | **ACCESS TO EQUIPMENT AND MATERIAL /** *KEMUDAHAN SEDIA ADA UNTUK KEGUNAAN BAGI PENYELIDIKAN INI* | | | | | | | | | | | | | | | | | | | |
|  | **Equipment**  *Peralatan* | | | | | | | | | | | | **Location**  *Tempat* | | | | | | | |
| **Example */*** *Contoh****:***  ***HRTEM***  **XRD** | | | | | | | | | | | | **UiTM**  **UKM** | | | | | | | |
| **E** | **BUDGET***/BELANJAWAN* | | | | | | | | | | | | | | | | | | | |
|  | **Please indicate your estimated budget for this research and details of expenditure according to the guidelines attached.**  *Sila nyatakan anggaran bajet bagi cadangan penyelidikan ini dan berikan butir – butir perbelanjaan lengkap dengan berpandukan kepada garis panduan yang dilampirkan.* | | | | | | | | | | | | | | | | | | | |
| **Budget details**  *Butiran belanjawan* | | **Amount requested by applicant**  *Jumlah yang dipohon*  *oleh pemohon* | | | | | | | | | | | | **Amount approved by VC/Dep.VC**  **(R&D)/Director of RMC**  *Jumlah yang diluluskan oleh Naib Canselor/ TNC (P&I)/Pengarah RMC* | | | | | |
| **Year 1**  Tahun 1  (RM) | | | | **Year 2**  Tahun 2  (RM) | | | **Year 3**  Tahun 3  (RM) | | **Total**  Jumlah  (RM) | | |
| **E(i)** | **Vote 11000 -**  **Salary and** **wages**  *Upah dan Elaun*  Untuk Pembantu Penyelidik Siswazah (GRA)  Please specify  *Sila nyatakan secara lengkap dengan pecahannya sekali.* | |  | | | |  | | |  | |  | | | **Please Indicate the overall Budget**  *Sila nyatakan bajet secara keseluruhan* | | | | | |
| **E(ii)** | **Vote 21000 -**  **Travelling and Transportation/**  *Perjalanan dan Pengangkutan.*  Please specify  *Sila nyatakan secara lengkap dengan pecahannya sekali.* | |  | | | |  | | |  | |  | | |  | | | | | |
|  | **Budget details**  *Butiran belanjawan* | | **Amount requested by applicant**  *Jumlah yang dipohon*  *oleh pemohon* | | | | | | | | | | | | **Amount approved by VC/Dep.VC**  **(R&D)/Director of RMC**  *Jumlah yang diluluskan oleh Naib Canselor/ TNC (P&I)/Pengarah RMC* | | | | | |
| **Year 1**  Tahun 1  (RM) | | | | **Year 2**  Tahun 2  (RM) | | **Year 3**  Tahun 3  (RM) | | | **Total**  Jumlah  (RM) | | |
| **E(iii)** | **Vote 24000 -**  **Rental**  *Sewaan*  Please specify  *Sila nyatakan secara lengkap dengan pecahannya sekali.* | |  | | | |  | |  | | |  | | | **Please Indicate the overall Budget**  *Sila nyatakan bajet secara keseluruhan* | | | | | |
| **E(iv)** | **Vote 27000 -**  **Research Materials & Supplies**  *Bekalan dan Bahan Penyelidikan*  Please specify  *Sila nyatakan secara lengkap dengan pecahannya sekali.* | |  | | | |  | |  | | |  | | |  | | | | | |
| **E(v)** | **Vote 28000 -**  **Maintenance and Minor Repair Services**  *Baik pulih kecil dan ubahsuai*  Please specify  *Sila nyatakan secara lengkap dengan pecahannya sekali.* | |  | | | |  | |  | | |  | | |  | | | | | |
|  | **Budget details**  *Butiran belanjawan* | | **Amount requested by applicant**  *Jumlah yang dipohon*  *oleh pemohon* | | | | | | | | | | | | **Amount approved by VC/Dep.VC**  **(R&D)/Director of RMC**  *Jumlah yang diluluskan oleh Naib Canselor/ TNC (P&I)/Pengarah RMC* | | | | | |
| **Year 1**  Tahun 1  (RM) | | | | **Year 2**  Tahun 2  (RM) | | **Year 3**  Tahun 3  (RM) | | | **Total**  Jumlah  (RM) | | |
| **E(vi)** | **Vote 29000 -**  **Professional Services**  *Perkhidmatan Ikhtisas*  Please specify  *Sila nyatakan secara lengkap dengan pecahannya sekali.* | |  | | | |  | |  | | |  | | | **Please Indicate the overall Budget**  *Sila nyatakan bajet secara keseluruhan* | | | | | |
| **E(vii)** | **Vote 35000 -**  **Accessories and Equipment**  *Aksesori dan Peralatan*  Please specify  *Sila nyatakan secara lengkap dengan pecahannya sekali.* | |  | | | |  | |  | | |  | | |  | | | | | |
| **TOTAL AMOUNT**  *JUMLAH BESAR* | | |  | | | |  | |  | | |  | | |  | | | | | |
| **F** | **Declaration by applicant /** *Akuan Pemohon*  **(Please tick *( √ )*):****/** *(Sila tanda ( √ )):* | | | | | | | | | | | | | | | | | | | |
|  | **I hereby declare that:**  *Saya dengan ini mengaku bahawa:*   1. **All information stated here are accurate, KPM and IPT 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, KPM dan IPT berhak menolak permohonan atau membatalkan tawaran pada bila-bila masa sekiranya keterangan yang dikemukakan adalah tidak benar.*     1. **Application of this fundamental research is presented for the RACE Grant Scheme Phase 3 2015/2017.**   *Permohonan**projek penyelidikan ini dikemukakan untuk memohon peruntukan di bawah Skim Penyelidikan RACE bagi fasa 3 2015/2017.*   1. **A senior lecturer (Professor or Associate Professor) from Research University has been identified and agreed to be appointed as a mentor for this project. The document is attached together with this application form**   *Persetujuan pensyarah senior (Profesor atau Profesor Madya) daripada Universiti Penyelidikan (RU) telah diperolehi secara bertulis dan dilampirkan bersama permohonan ini untuk dilantik sebagai mentor dalam projek kerjasama RACE ini.*  **Date : Applicant’s Signature :**  *Tarikh : Tandatangan Pemohon : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_* | | | | | | | | | | | | | | | | | | | |
| **G** | **Endorsement 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* | | | | | | | | | | | | | | | | | | | |
|  | **This proposal is hereby endorsed.**  *Permohonan ini adalah diperakukan.*  **Comments (if any):**  *Ulasan (jika ada):*  --------------------------------------------------------------------------------------------------------------------------------------------  --------------------------------------------------------------------------------------------------------------------------------------------  --------------------------------------------------------------------------------------------------------------------------------------------  --------------------------------------------------------------------------------------------------------------------------------------------  --------------------------------------------------------------------------------------------------------------------------------------------  --------------------------------------------------------------------------------------------------------------------------------------------  --------------------------------------------------------------------------------------------------------------------------------------------  --------------------------------------------------------------------------------------------------------------------------------------------  **Name: Signature:**  *Nama: Tandatangan:*    **Date:**  *Tarikh:* | | | | | | | | | | | | | | | | | | | |

**Note: APPLICATIONS SUBMITTED WILL BE TREATED IN FULL CONFIDENCE.**

**THE DECISION OF THE RACE MAIN COMMITTEE IS FINAL.**

Semua permohonan dianggap sulit. Keputusan Jawatankuasa Induk RACE adalah **MUKTAMAD.**