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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.**