**BORANG PERMOHONAN**

**GERAN PEMBANGUNAN PRODUK PENYELIDIKAN**

**UNIVERSITI PUTRA MALAYSIA**

***APPLICATION FORM RESEARCH PRODUCT DEVELOPMENT GRANT***

Borang perlu dihantar kepada |  *This form must be submitted to ;*

Putra Science Park, Universiti Putra Malaysia, 43400 Serdang, Selangor

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| **A. MAKLUMAT PEMOHON** *APPLICANT INFORMATION* | | | |
| 1. **Tajuk Projek**   *Project Title* |  | | |
| 1. **Nama Ketua Projek**   *Name of Project Leader* |  | | |
| 1. **Bidang Kepakaran**   *Field of Expertise* |  | | |
| 1. **Jawatan**   *Designation* |  | **No**. **staf**  Staff no. |  |
| 1. **Status Perkhidmatan**   *Status of Service* | **Tetap** **Kontrak**   *Permanent* *Contract*  Tarikh tamat kontrak : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  *Contract expiry da*te | | |
| 1. **PTJ** / Jabatan   *PTJ / Department* |  | | |
| 1. **No. Untuk Dihubungi**   *Contact Number* |  | **No. Telefon Bimbit**  *Mobile Phone no.* |  |
| 1. **Emel**   *Email* |  | | |
| 1. **Pengalaman Ketua Projek**   *- menunjukkan sama ada KP mempunyai pengalaman pengurusan projek terdahulu*  *Experience of Project Leader*  *- to indicate if PL has any experience in project management before* |  | | |
| 1. **Nama Ahli Projek**   *Name of Other Team Members* | |  |  |  |  | | --- | --- | --- | --- | | **Bil** | **Nama**  *Name* | **Jawatan**  *Position* | **Institusi / PTJ**  *Institution / PTJ* | |  |  |  |  | |  |  |  |  | |  |  |  |  | |  |  |  |  | |  |  |  |  | | | |

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| **B. MAKLUMAT HARTA INTELEK (IP)** *INTELLECTUAL PROPERTY (IP) INFORMATION* | | | | | |
|  | **Nama Teknologi / Inovasi**  *Technology / Innovation Name* |  | | | |
|  | **Nama Perekacipta**  *Name of Inventor* |  | | | |
|  | **Maklumat Ringkas  Teknologi / Inovasi**  *Brief Description of Technology / Innovation* |  | | | |
|  | **Jenis IP**  *Type of IP* |  | | **Status IP**  *Status of IP (pending/granted)* |  |
|  | **No. Rujukan IP**  *IP Reference Number* |  | | | |
|  | **Negara Dilindungi**  *Countries Protected* |  | | | |
|  | **Tahap Kesediaan Teknologi (TRL)**  -serta penerangan ringkas tahap teknologi semasa  *Technology Readiness Level (TRL)*  *-including brief description of latest status* |  | | | |
|  | **Sasaran Produk Akhir**  - jenisproduk  - penerangan ringkas produk yang akan dihasilkan  - sila lampirkan Carta Gantt aktiviti pembangunan produk bermula dari **TRL5 hingga TRL 9**  *Final Targeted Product*  *- type of products*  *- brief description of the product*  *- please attach Gantt Chart for the product development activity and milestone from* ***TRL5 to TRL9.*** |  | | | |
|  | **Tempoh Projek**  *Project Duration* | **Tempoh (bulan)** |  *Duration (month)*  **Tarikh Mula** | **Tarikh Tamat** |  *Start Date End Date* | | | |
| **C. MAKLUMAT PASARAN** *MARKET INFORMATION* | | | | | |
|  | **Anggaran Saiz Pasaran Disasar**  *Estimate Size of the Target Market* | |  | | |
|  | **Kadar Pertumbuhan Pasaran**  *The Market Growth Rate* | |  | | |
|  | **Tahap Kesegeraan Produk Diperlukan Dalam Pasaran**  *The Level of Urgency of the Product is Needed in the Market* | |  | | |
|  | **Keunikan Teknologi/Inovasi**  - dalam menghasilkan produk berbanding teknologi lain  *Uniqueness of Technology/ Innovation*  *- in term of product development compare to other technology* | |  | | |
|  | **Jangkaan Harga Produk Dihasilkan**  *Expected Price of Final Product* | |  | | |
|  | **Contoh Pelanggan Berpotensi**  *Example of Your Potential Customer* | |  | | |
|  | **Jangkaan Kekangan Dikenalpasti** -sekiranya memasuki segmen pasaran yang disasarkan  *Barriers Do You Expect  - to enter the market segment have identified* | |  | | |
|  | **Rakan Industri Yang Berpotensi**  - Nama syarikat  - Sila lampirkan surat hasrat  - Pernah berkomunikasi dengan industri yang berpotensi untuk tujuan pengkomersilan  *Targeted Potential Company*  *- Company name*  *- Please attach letter of intent*  *- Have you communicated to potential industry to commercialise this product* | |  | | |

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| **D. BELANJAWAN** *BUDGET* | | |
| **Sila nyatakan belanjawan projek ini dan butiran perbelanjaan (berserta justifikasi) dengan merujuk kepada garis panduan geran.**  *Please indicate the estimated budget for the project and details of expenditure (provide justification) according to the grant guidelines.* | | |
| **Butiran belanjawan dipohon**  *Budget details requested* | **Tahun 1**  *Year 1* | **Tahun 2**  *Year 2* |
| 1. ***Vote 11000***   Gaji & upahan  *Salary & wages* |  |  |
| 1. **Vote 21000**   Tuntutan perjalanan & pengangkutan  *Travelling expenses & transportation*  *-* Butiran & Justifikasi  *Details & Justification* |  |  |
| 1. **Vote 24000**   Sewaan  *Rental*  *-* Butiran & Justifikasi  *Details & Justification* |  |  |
| 1. **Vote 26000**   Bekalan bahan mentah & bahan  untuk penyenggaraan & pembaikan \*termasuk vot 27000*.  Research materials & materials for repair & maintenance \*including vote 27000*  *-* Butiran & Justifikasi  *Details & Justification* |  |  |
| 1. **Vote 28000**   Penyelenggaraan & pembaikan kecil  *Maintenance and minor repair services*  *-* Butiran & Justifikasi  *Details & Justification* |  |  |
| 1. **Vote 29000**   Perkhidmatan profesional & lain-lain  *Professional services & other services*  *-* Butiran & Justifikasi  *Details & Justification* |  |  |
| 1. **Vote 35000**   Peralatan dan aksesori *Equipment and accessories*  *-* Butiran & Justifikasi  *Details & Justification* |  |  |
| **Bajet tahunan yang dicadangkan**  *Proposed annual budget* |  |  |
| ***JUMLAH KESELURUHAN***  ***TOTAL AMOUNT*** |  | |
| ***\* Sila rujuk panduan geran ini bagi maklumat lanjut***  ***Please refer to the grant guidelines for more information*** | | |

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| **E. SASARAN PENGKOMERSILAN** *COMMERCIALIZATION GOAL* |
| Apakah yang diperlukan oleh inovasi anda untuk terus maju ke arah matlamat pengkomersilan?  *What does your innovation currently need to move forward with your commercialization goal?*   * Pembangunan Prototaip *Prototype Development* * Penyempurnaan Produk *Product Refinement* * Penyelidikan Kolaboratif dengan Industri *Collaborative Research with Industry* * Rakan Kongsi untuk Pengkomersilan *Partners for Commercialisation* * Peningkatan / Pengilangan *Up Scaling / Manufacturing* * Pembiayaan untuk Pengkomersilan *Funding for Commercialisation* * Pelesenan *Licensing* * Lian -lain *Others*   Please Specify: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| **F. AKUAN PEMOHON** *DECLARATION BY APPLICANT* |
| ***Saya dengan ini mengaku bahawa:***  **Semua maklumat yang diberi adalah benar. Penaja berhak menolak permohonan atau membatalkan  tawaran pada bila-bila masa sekiranya keterangan yang dikemukakan adalah tidak benar.**  *I hereby all information given*  *All information stated herein is true. The funder has the right to reject or withdraw the offer without prior notice if there is any inaccurate information given.*    **Tarikh : Tandatangan pemohon \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  *Date Applicant’s signature* |
| **Nota** *Notes:*  \*Sila lampirkan abstrak penerbitan sebagai dokumen yang berasingan.  Setelah pra-penyaringan berjaya, setiap pemohon perlu membentangkan projek kepada panel.  Sila hantarkan salinan lembut kepada [**fadilah@upm.edu.my**](mailto:fadilah@upm.edu.my)  *\*Kindly attach the abstract of publications as a separate document.*  *Upon successful pre-screening, each applicant will be invited to present their projects.*  *Kindly email soft copy to* [***fadilah@upm.edu.my***](mailto:fadilah@upm.edu.my) |