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| **BORANG PERMOHONAN**  **‘MATCHING GRANT’**  Borang ini mesti diserahkan kepada Pejabat Pengarah, Pusat Pengurusan Penyelidikan,  Pejabat Timbalan Naib Canselor (Penyelidikan dan Inovasi), Universiti Putra Malaysia, 43400 UPM Serdang, Selangor  *This form must be submitted to the Office of the Director, Research Management Centre, Office of the Deputy Vice Chancellor (Research and Innovation), Universiti Putra Malaysia, 43400 UPM Serdang, Selangor* | | | | | | | | | | |
| 1. **MAKLUMAT PERMOHONAN GERAN PENYELIDIKAN** *INFORMATION OF RESEARCH GRANT APPLICATION* | | | | | | | | | | |
| 1. **Tajuk penyelidikan yang dicadangkan:**   *Title of proposed research:* |  | | | | | | | | | |
| 1. **Geran dipohon:**   *Grant applied for:* |  | | | | | | | | | |
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| 1. **MAKLUMAT KETUA PROJEK/PENYELIA PELAJAR**  *DETAILS OF PROJECT LEADER / SUPERVISOR* | | | | | | | | | | |
| Sila lampirkan C.V. ketua projek mengikut format yang disediakan  *Please attach C.V. of project leader/supervisor according to the following format)* | | | | | | | | | | |
| 1. **Nama Ketua Projek/Penyelia:**   *Name of Project Leader/Supervisor* | |  | | | | | | | | |
| 1. **No. Mykad/Passport:**   *Mykad no./Passport* | |  | | | | | 1. **No. staf:**   *Staff no.* | |  | |
| 1. **Jawatan** (Sila tanda):   *Designation (Please tick)* | | **🞎** | Profesor  *Professor* | | **🞎** | Profesor Madya  *Associate Professor* | | | **🞎** | Pensyarah Kanan  *Senior Lecturer* |
| **🞎** | Pensyarah  *Lecturer* | | **🞎** | Lain-lain (sila nyatakan)  *Others (Please state) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_* | | | | |
| 1. **PTJ** (Sila nyatakan alamat penuh):   *PTJ (Please provide full address):* | |  | | | | | | | | |
| 1. **No. telefon pejabat:**   *Office Ttelephone no.* | |  | | 1. **No. telefon bimbit:**   *Mobile phone no.* | | | |  | | |
| 1. **No. faksimili pejabat:**   *Office facsimile no.* | |  | | | | | | | | |
| 1. **Alamat e-mel:**   *E-mail address* | |  | | | | | | | | |
| 1. **Status perkhidmatan:**   *Status of service* | | □ | Tetap  *Permanent* | | | | | | | |
| □ | Kontrak  *Contract*  Tarikh tamat kontrak:  *Contract expiry date -----------------------------------------------------* | | | | | | | |
| 1. **Tarikh lantikan jawatan sekarang:**   *Date of appointment* | |  | | | | | | | | |
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| 1. **MAKLUMAT INDUSTRI / SYARIKAT** *INDUSTRY* ***/*** *COMPANY INFORMATION* | | | |
| 1. **Nama Wakil Industri / Syarikat**   *Name of Industry / Company Representative* |  | | |
| 1. **Nama Industri / Syarikat**   *Name of Industry / Company* |  | | |
| 1. **Nombor Pendaftaran Syarikat** *Company Registration Number* |  | | |
| 1. **Jenis Perniagaan**   *Industry / Company Addresses* |  | | |
| 1. **Alamat Industri / Syarikat**   *Industry / Company Addresses* |  | | |
| 1. **No. telefon pejabat:**   *Office Ttelephone no.* |  | 1. **No. telefon bimbit:**   *Mobile phone no.* |  |
| 1. **Alamat e-mel:**   *E-mail address* |  | | |
| 1. **Jumlah Kewangan Tunai (RM) untuk Projek Penyelidikan**   *Total Cash for Research Project* |  | | |

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| 1. **MAKLUMAT PENYELIDIKAN** *RESEARCH INFORMATION* | |
| 1. **Kluster** *Cluster* |  |
| 1. **Bidang/Program Penyelidikan**   *Field/Program of research* |  |
| 1. **Tempoh Penyelidikan**   *Duration of research* |  |
| 1. **Tarikh Mula**   *Start date* |  |
| 1. **Tarikh Tamat**   *End date* |  |
| 1. **Tempat penyelidikan dijalankan**   *Location of research* |  |

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| 1. **Penyelidik lain yang terlibat dalam projek (termasuk pelajar pasca siswazah):** \*(Sila lampirkan C.V. setiap penyelidik mengikut format yang disediakan)   *Other researchers involved in the project (including post-graduate): \*(Please attach CV of each researchers according to the format provided)* | | | | | |
| **Bil.**  *No.* | **Nama**  *Name* | **PTJ** | **Kelayakan akademik/ Pelantikan/**  **Bidang pengajian**  *Academic qualifications/*  *Designation/Field of study* | **No. Mykad/Passport/ No. Matrik**  *Mykad No./Passport/Matric No.* | ***Tandatangan***  *Signature* |
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| 1. **RINGKASAN CADANGAN EKSEKUTIF PENYELIDIKAN** *EXECUTIVE SUMMARY OF RESEARCH PROPOSAL* | | | | | |
| Rumusan latar belakang penyelidikan, kajian literatur, kaedah penyelidikan, objektif dan jangkaan hasil penyelidikan) - maksimum 300 patah perkataan  *Summary of research background, literature review, objectives, research methodology and expected outcomes from the research project) - maximum 300 words* | | | | | |
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| 1. **PERINCIAN CADANGAN MAKLUMAT PENYELIDIKAN** *DETAILED PROPOSAL OF RESEARCH PROJECT* |
| 1. **Latar belakang penyelidikan termasuk hipotesis/persoalan penyelidikan dan kajian literatur**   *Research background including hypothesis /research questions and literature review*  **References** |
| 1. **Penyelidikan lepas yang berkaitan (sila lampirkan sekiranya perlu)**   *Past relevant research (please attach, if necessary)*   |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | **Tajuk penyelidikan** *Title of research* | ***Nama Geran***  *Name of grant* | **Jawatan / Peranan** *Position / Role* | **Tempoh** *Duration* | **Tarikh mula** *Start date* | **Tarikh tamat**  *End date* | |  |  |  |  |  |  | |  |  |  |  |  |  | |
| 1. **Objektif penyelidikan**   *Research objective(s)* |
| |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | 1. **Kaedah penyelidikan**   *Research methodology*  Sila nyatakan dan huraikan; *Please state in the;*   1. Huraian Kaedah   *Description of methodology*   1. Milestones dan tarikh   *Milestones and dates*   |  |  |  | | --- | --- | --- | | **Milestones** | **Tarikh Mula** | **Tarikh Tamat** | |  |  |  | |  |  |  | |  |  |  | |  |  |  |  1. Carta alir aktiviti penyelidikan (Sila sertakan di dalam Lampiran)   *Flow chart of research activities (Please enclose in the appendix)*   1. Carta Gantt aktiviti penyelidikan (Sila sertakan di dalam Lampiran)   *Gantt chart of research activities (Please enclose in the appendix)* | |

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| 1. **MAKLUMAT PENYELIDIKAN PEMBANGUNAN TEKNOLOGI**   *INFORMATION ABOUT**THE**TECHNOLOGY DEVELOPMENT RESEARCH*  (untuk Geran Penyelidikan Pembangunan Inovasi sahaja) | |
| 1. **Penyelidikan pembangunan teknologi adalah lanjutan daripada geran**   *Technology development research is a continuation from (please state the relevant grant):* |  |
| 1. **No. Pendaftaran Harta Intelek**   *Registration number of the related Intellectual Property* |  |
| **3. Nyatakan latar belakang kajian termasuk ringkasan dari kajian terdahulu yang berkaitan dengan pembangunan teknologi.**  *Describe the background including summary of previous research related to the proposed technology development.* | |
| **4. Nyatakan permasalahan penyelidikan.**  *Describe the research problem.* | |
| **5. Huraikan bagaimana pembangunan teknologi dapat menyumbang dalam meningkatkan penciptaan, kualiti hidup, mencipta atau memperkukuhkan industri-industri baru.**  *Describe how the developed technology can contribute to wealth creation, enhancement of quality of life and creation or strengthening of new industries.* | |

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| 1. **JANGKAAN HASIL/FAEDAH** *EXPECTED RESULTS/BENEFIT* |
| 1. **Penerbitan penyelidikan** **(Sila nyatakan jangkaan tarikh penerbitan dalam jurnal)**   *Research publications (Please state the expected date of publication in journals)* |
| 1. **Teori novel/Penemuan baru/Pengetahuan/Ciptaan/Inovasi**   *Novel theories/New findings/Knowledge/Invention/Innovation* |
| 1. **Penggunaan khusus atau potensi**   *Specific or potential applications* |
| 1. **Bilangan pelajar Master dan Ph.D (melalui penyelidikan) – Jika ada**   *Number of Ph.D and Masters (by research) that will be produced – If any* |

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| 1. **BELANJAWAN** *BUDGET* | | | | | | |
| **Sila anggarkan belanjawan untuk penyelidikan ini dan butiran perbelanjaan dengan merujuk kepada garis panduan yang telah dilampirkan.**  *Please indicate the estimated budget for the research and details of expenditure according to the guidelines attached.* | | | | | | |
| **Butiran belanjawan**  *Budget details* | **Jumlah yang diminta oleh pemohon**  *Amount requested by applicant* | | | | | |
| **Tahun 1**  *Year 1* | | **Tahun 2**  *Year 2* | | **Tahun 3**  *Year 3* | |
| **UPM**  **(RM)** | **INDUSTRI / SYARIKAT**  *INDUSTRY / COMPANY*  **(RM)** | **UPM (RM)** | **INDUSTRI / SYARIKAT**  *INDUSTRY / COMPANY*  **(RM)** | **UPM (RM)** | **INDUSTRI / SYARIKAT**  *INDUSTRY / COMPANY*  **(RM)** |
| 1. ***Vote 11000***   Gaji dan upahan  (Tidak terpakai untuk Geran Putra-IPM dan Putra-IPS*)*  *Salary and wages*  *(Not applicable for Geran Putra-IPM and Putra-IPS )* |  |  |  |  |  |  |
| 1. **Vote 21000**   Perbelanjaan perjalanan dan pengangkutan  *Travel expenses and transportation* |  |  |  |  |  |  |
| 1. **Vote 24000**   Sewaan *Rental* |  |  |  |  |  |  |
| 1. **Vote 26000** Bekalan bahan penyelidikan serta bekalan bahan mentah dan bahan-bahan untuk penyenggaraan dan pembaikan *\**termasuk vot 27000.   *Research materials and materials for repair and maintenance\*including vote 27000* |  |  |  |  |  |  |
| 1. **Vote 28000**   Penyelenggaraan dan pembaikan kecil  *Maintenance and minor repair services* |  |  |  |  |  |  |
| 1. **Vote 29000**   Perkhidmatan profesional, hospitaliti dan lain-lain  *Professional services, hospitality, and other services* |  |  |  |  |  |  |
| 1. **Vote 35000** Peralatan dan aksesori   *Equipment and accessories*  ***Sila rujuk garispanduan untuk keterangan lanjut***  ***(Please refer to guidelines for more information)*** |  |  |  |  |  |  |
| **Bajet tahunan yang dicadangkan**  *Proposed yearly budget* |  |  |  |  |  |  |
| **JUMLAH KESELURUHAN**  *TOTAL AMOUNT* |  | | | | | |

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| **I.** | **AKUAN PEMOHON** *DECLARATION BY APPLICANT* |
|  | ***Saya dengan ini mengaku bahawa:***  *I hereby declare:*  **Semua maklumat yang diberi adalah benar. Penaja berhak menolak permohonan atau membatalkan tawaran pada bila-bila masa sekiranya keterangan yang dikemukakan adalah tidak benar.**  *All information stated herein are 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* **:** |
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| **Nota** *Notes:*   1. C.V. penyelidik-penyelidik hendaklah mengandungi maklumat berkaitan dengan penyelidikan contohnya senarai projek yang sedang dilaksanakan dan tamat, agensi-agensi yang membiayai, jumlah dana diterima, senarai penerbitan, senarai penuntut ijazah lanjutan yang telah menamatkan pengajian dan hasil-hasil penyelidikan lain.   *The C.V. of researchers should contain information relevent to research e.g. list of completed and ongoing projects, funding agencies, amount of funding received, list of publications, list of post-graduate students graduated, and other research output.* | |

**Contoh: Carta Gantt Aktiviti Penyelidikan, Milestone dan Tarikh**

*Example: Gantt Chart of Research Activities, Milestone and Date*

**Tajuk penyelidikan dicadangkan:**

*Title of proposed research:*