

**LAPORAN AKHIR PROJEK PENYELIDIKAN JANGKA PENDEK**  
**FINAL REPORT OF SHORT TERM RESEARCH PROJECT**

Sila kemukakan **satu (1) salinan** laporan akhir ini melalui Jawatankuasa Penyelidikan di Pusat Pengajian dan Dekan/ Pengarah/ Ketua Jabatan kepada Pejabat Pengurusan dan Kreativiti Penyelidikan (RCMO)

**1. Nama Ketua Penyelidik:**

*Name of Research Leader*

Profesor/  
Professor

Profesor Madya/  
Assoc. Prof.

Dr./  
Dr.

Encik/Puan/Cik  
Mr/Mrs/Ms

**2. Pusat Tanggungjawab (PTJ):**

*School/Department*

**3. Nama Penyelidik Bersama:**

*Name of Co-Researcher*

**4. Tajuk Projek:**

*Title of Project*

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**5. Jumlah Geran Diluluskan:**

*Amount of Approved Grant*

**6. Jumlah Peruntukan Diterima:**

*Total Allocation Received*

**7. Baki Geran Mengikut Penyata Kewangan Terkini:**

*Grant Balance from the latest financial statement*

\* Please submit the latest financial statement

**8. Tarikh Mula:**

*Project Start Date*

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**9. Tarikh Tamat Asal:**

*Original Date of Completion of Project*

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**10. Tarikh Lanjutan yang Diluluskan (sekiranya berkaitan):**

*Extended date that has been approved (if relevant)*

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Ringkasan Penilaian	Tidak Mencukupi <i>Inadequate</i>		Boleh Diterima <i>Acceptable</i>	Sangat Baik <i>Very Good</i>	
	1	2	3	4	5
i) <b>Pencapaian objektif projek:</b> <i>Achievement of project objectives</i>					
ii) <b>Kualiti output:</b> <i>Quality of outputs</i>					
iii) <b>Kualiti impak:</b> <i>Quality of impacts</i>					
iv) <b>Pemindahan teknologi/potensi pengkomersialan:</b> <i>Technology transfer/commercialization potential</i>					
v) <b>Kualiti dan usahasama :</b> <i>Quality and intensity of collaboration</i>					
vi) <b>Penilaian kepentingan secara keseluruhan:</b> <i>Overall assessment of benefits</i>					

**7. Abstrak Penyelidikan**

(Perlu disediakan di antara 100 - 200 perkataan di dalam **Bahasa Malaysia dan juga Bahasa Inggeris**. Abstrak ini akan dimuatkan dalam Laporan Tahunan Bahagian Penyelidikan & Inovasi sebagai satu cara untuk menyampaikan dapatan projek tuan/puan kepada pihak Universiti & masyarakat luar).

***Abstract of Research***

*(An abstract of between 100 and 200 words must be prepared in Bahasa Malaysia and in English).  
This abstract will be included in the Annual Report of the Research and Innovation Section at a later date as a means of presenting the project findings of the researcher/s to the University and the community at large)*

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**8. Sila sediakan laporan teknikal lengkap yang menerangkan keseluruhan projek ini.**

**[Sila gunakan kertas berasingan]**

*Applicant are required to prepare a Comprehensive Technical Report explaining the project.  
(This report must be appended separately)*

**Senaraikan kata kunci yang mencerminkan penyelidikan anda:**

*List the key words that reflects your research:*

Bahasa Malaysia

Bahasa Inggeris

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**9. Output dan Faedah Projek**

*Output and Benefits of Project*

**(a) \* Penerbitan Jurnal**

*Journal Publications*

**(Sila nyatakan jenis, tajuk, pengarang/editor, tahun terbitan dan di mana telah diterbit/diserahkan)**

*(State type, title, author/editor, publication year and where it has been published/submitted)*

*\* Salinan Jurnal MESTI disertakan/Publication copies MUST be attached*

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- (b) **Faedah-faedah lain seperti perkembangan produk, pengkomersialan produk/pendaftaran paten atau impak kepada dasar dan masyarakat.**

*State other benefits such as product development, product commercialization/patent registration or impact on source and society.*

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**10. Peralatan yang Telah Dibeli:**

*Equipment purchased*

- a) **Inventori** : (< RM 1,000.00)\*

*Inventory*

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- b) **Aset** : (> RM 1,000.00)\*

*Asset*

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\* Sila kemukakan borang inventori/ aset yang boleh dimuat turun dari laman sesawang R&I.

\* Please submit an inventory / asset form that can be downloaded from the R&I website.

**Human Resources**

- Please provide student's name and thesis title according to his/her current status.
- Hardcopy of the listed thesis **MUST** be provided.

Status	Undergraduate	Masters	PhD
<b>On Going</b>			
National			
International			
<b>Graduated</b>			
National			
International			

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**Tandatangan Penyelidik**  
*Signature of Researcher*

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**Tarikh**  
*Date*

**Komen Jawatankuasa Penyelidikan Pusat Pengajian/Pusat**  
*Comments by the Research Committees of Schools/Centres*

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**TANDATANGAN Pengerusi**  
**JAWATANKUASA PENYELIDIKAN**  
**PUSAT PENGAJIAN/PUSAT**  
*Signature of Chairman*  
*[Research Committee of School/Centre]*

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**Tarikh**  
*Date*