



**UTM**  
UNIVERSITI TEKNOLOGI MALAYSIA

**SEKOLAH PENGAJIAN SISWAZAH  
SCHOOL OF GRADUATE STUDIES**  
**BORANG LAPORAN PEMERIKSAAN TESIS / DISERTASI  
IJAZAH SARJANA**  
**EXAMINER'S REPORT FORM ON THESIS / DISSERTATION  
MASTER'S DEGREE**

SPS/17/2018/Pind.4/2025

Tarikh Kuat Kuasa :  
10.06.2025

Sila tandakan (✓) / Please tick (✓)

<b>Mod Pengajian Study Mode</b>	Penyelidikan Research		Mod Campuran Mixed Mode	
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Nama Calon Name of Candidate		No. Matrik Matric No.	
Nama Program Programme Name		Fakulti Faculty	
*Tarikh Daftar Registration Date		Kod NEC & Deskripsi NEC Code & Description	
*Tempoh Pengajian Duration of Study		Nama Pemeriksa & Institusi Name of Examiner & Institution	
Tajuk Tesis/Disertasi Title of Thesis/Dissertation			

Nota / Note: \*Tarikh Daftar/ Registration Date - Tarikh pelajar berstatus aktif (A) untuk kali pertama / The date on which the student first obtained Active (A) status.

\*Tempoh Pengajian/Duration of Study – Tarikh pelajar daftar sehingga Tarikh Hantar Tesis/Disertasi / The date of student registration until date of thesis/dissertation submission.

**SILA TANDATANGAN DI DALAM RUANG YANG DISEDIAKAN UNTUK PERAKUAN**  
(Please sign in the space provided for the recommendation)

**TANDATANGAN  
SIGNATURE**

**1. Perakuan (Recommendation)**

Setelah memeriksa tesis/disertasi, saya perakuan bahawa (After examining the thesis/dissertation, I recommend that)

- a) Calon dianugerahkan Ijazah Sarjana (The candidate be awarded the Master's Degree); .....  
atau (or) .....
- b1) Calon dianugerahkan Ijazah Sarjana setelah membuat pembetulan kecil kepada tesis/disertasi seperti yang disenaraikan dalam laporan ini dan disahkan telah berbuat demikian oleh Penyelia (The candidate be awarded the Master's Degree subject to minor corrections as listed elsewhere in this report being made in the thesis/dissertation to the satisfaction of the Supervisor); .....  
atau (or) .....
- b2) Calon dianugerahkan Ijazah Sarjana setelah membuat pindaan dan pembetulan kepada tesis/disertasi seperti yang disenaraikan dalam laporan ini dan disahkan telah berbuat demikian oleh Pemeriksa Dalam/Luar (The candidate be awarded the Master's Degree subject to the amendments and corrections as listed elsewhere in this report being made in the thesis/dissertation to the satisfaction of the Internal/External Examiner(s)); .....  
atau (or) .....
- c) Calon tidak dianugerahkan Ijazah Sarjana tetapi dibenarkan menghantar semula tesis/disertasi untuk pemeriksaan setelah menjalani kajian dan penyelidikan lanjutan. (The candidate not be awarded the Master's Degree but be permitted to resubmit the thesis/dissertation for further examination in a revised form after a further period of study and research); .....  
atau (or) .....
- e) Calon tidak dianugerahkan Ijazah Sarjana. (The candidate not be awarded the Master's Degree).....

Tandatangan (Signature): ..... Tarikh (Date): .....

**2. Pendapat (Opinion)**

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Saya berpendapat (*In my opinion*),

\* (Dibenarkan pilih lebih daripada satu kriteria dibawah/ *You may choose more than one criterion*).

- a) Tesis/disertasi ini mengandungi banyak sumbangan asli kepada pembangunan ilmu dalam bidang berkenaan  
(*The thesis/dissertation has substantial original contributions to the knowledge of the subject concerned*); .....
- b) Keaslian tesis/disertasi dibuktikan dengan penemuan fakta-fakta baharu  
(*The thesis/dissertation affords evidence of originality by the discovery of new facts*); .....
- c) Keaslian tesis/disertasi dibuktikan dengan kebolehan memberi kritikan yang bernes dan jelas  
(*The thesis/dissertation affords evidence of originality by the ability to give thoughtful and clear criticism*); .....
- d) Tesis/disertasi ini memuaskan dari segi penyampaian  
(*The thesis/dissertation is satisfactory in regards to literary presentation*); .....
- e) Sebahagian besar dapatan kajian dalam tesis/disertasi sesuai untuk diterbitkan  
(*A significant amount of findings in the thesis/dissertation are worthy of publication*); .....

**3. Merit (Merit)**

TANDATANGAN  
SIGNATURE

\*Calon layak dianugerahkan 'merit' sekiranya keputusan pemeriksaan tesis/disertasi pada Bahagian 1 adalah "a" atau "b1"  
(*The candidate is qualified to be awarded with 'merit' provided that the result of thesis/dissertation examination in Part 1 is "a" or "b1"*).

Dalam membuat perakuan di atas, saya sahkan calon cemerlang untuk ijazah ini dan layak dianugerahkan ijazah dengan **merit**.  
(*In making the above recommendation, I consider that the candidate is outstanding for this degree and qualified to be awarded the degree with **merit***) .....

**4. Sila berikan ulasan dan penilaian terhadap perkara berikut sebagai asas perakuan**

*Please provide your comments and assessment on the following items as the grounds for recommendation.*

\*Sila **bulatkan** mengikut skala pengukuran seperti berikut pada ruangan yang berkenaan  
\*Please **circle** the appropriate option based on the following rating scale in the designated space:

1	2	3	4	5
Sangat Lemah <i>Very Weak</i>	Lemah <i>Weak</i>	Memuaskan <i>Satisfactory</i>	Baik <i>Good</i>	Cemerlang <i>Excellent</i>

4.1 Tajuk Tesis/Disertasi (*Title of Thesis/ Dissertation*)

Sila ulas berkaitan kesesuaian tajuk dengan cadangan penyelidikan dan bidang NEC program/ *Please comments on the relevance of the title with the research proposal and NEC program field*

4.2 Abstrak (*Abstract*)

PLO5 (CS): Candidate demonstrates a good and concise abstract writing.

\*Skala pengukuran/Scale of assessment:      1      2      3      4      5

Tandatangan (Signature): ..... Tarikh (Date): .....

4.3 Pengenalan, Permasalahan Penyelidikan, Objektif, Skop, dll. (*Introduction, Research Problem, Objective, Scope, etc.*)

PLO1 (AKW): Candidate demonstrates critical understanding on Research Problem.

\*Skala pengukuran/Scale of assessment: 1 2 3 4 5

4.4 Kajian Literatur (*Literature Review*)

PLO1 (AKW): The literature review is very comprehensive and describes relevant material.

\*Skala pengukuran/Scale of assessment: 1 2 3 4 5

PLO2 (CG) - The literature review is critically connected with the purpose of the study.

\*Skala pengukuran/Scale of assessment: 1 2 3 4 5

4.5 Metodologi/Bahan/Reka Bentuk dan Kaedah (*Methodology/Material/Design and Methods*)

PLO3 (PS): Candidate demonstrates a good mastery of practical skills and scientific skills through methodology/material/design and methods to solve complex research problems.

\*Skala pengukuran/Scale of assessment: 1 2 3 4 5

Tandatangan (*Signature*): ..... Tarikh (*Date*): .....

4.6 Analisis dan Penyampaian Data/Keputusan (*Analysis and Presentation of Data/Findings*)

PLO5 (CS): Communicate effectively the knowledge, skills, ideas, and research findings using appropriate methods to peers, scholarly communities, and societies through various medium.

\*Skala pengukuran/Scale of assessment: 1 2 3 4 5

PLO6 (DS): Use a broad range of information, media, and technology applications to support study or work.

\*Skala pengukuran/Scale of assessment: 1 2 3 4 5

4.7 Perbincangan dan Interpretasi Keputusan Kajian (*Discussion and Interpretation of Research Results/Findings*)

PLO2 (CG): Critically discuss and synthesis the Research Results/Findings.

\*Skala pengukuran/Scale of assessment: 1 2 3 4 5

PLO7 (NS): Interpret and Undertake critical evaluation of numerical and graphical data.

\*Skala pengukuran/Scale of assessment: 1 2 3 4 5

4.8 Kesimpulan dan Cadangan (*Conclusion and Recommendations*)

PLO2 (CG): Contribution towards advance knowledge (Scholarship of Knowledge).

\*Skala pengukuran/Scale of assessment: 1 2 3 4 5

Tandatangan (*Signature*): ..... Tarikh (*Date*): .....

4.9 Gaya Penulisan (*Writing Style*)

PLO5 (CS): Communicate effectively through writing the knowledge, skills, ideas, and research findings to peers, scholarly communities, and societies.

\*Skala pengukuran/Scale of assessment:      1      2      3      4      5

4.10 Kekuatan Tesis/Disertasi (*Strength of the Thesis/Dissertation*)

4.11 Kelemahan Tesis/Disertasi (*Weakness of the Thesis/Dissertation*)

4.12 Kepentingan Kajian (*Significance of the Study*)

Tandatangan (*Signature*): ..... Tarikh (*Date*): .....

4.13 Perakuan Penganugerahan (*Recommendation for the Award*)

4.14 Lain-lain ulasan (*Other comments*)

.....  
Tandatangan & Nama Pemeriksa / *Signature & Name of Examiner* :  
Tarikh / *Date* :

Tandatangan (*Signature*): ..... Tarikh (*Date*): .....