Nama Calon :
(Name of Candidate)

Tajuk Tesis/Disertasi :
(Title of Thesis/Dissertation)

Fakulti :
(Faculty)

Tarikh Masuk :
(Entry Date)

Nama Pemeriksa dan Institusi :
(Name of Examiner and Institution)

Tempoh Pengajian sehingga
Tarikh Hantar Tesis/Disertasi :
*(Duration of Study until
Thesis/Dissertation Submission Date)*

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

1.   **Perakuan (Recommendation)**
        Setelah memeriksa tesis/disertasi, saya perakukan bahawa (After examining the thesis/dissertation, I recommend that)

   a)   Calon dianugerahkan ijazah Doktor Kejuruteraan/Doktor Falsafah (*The candidate be awarded the degree of Doctor of Engineering/Doctor of Philosophy*);
        ……………………………………………………………………………………………   .……………

                                                                atau (or)

   b1) Calon dianugerahkan ijazah Doktor Kejuruteraan/Doktor Falsafah setelah membuat pembetulan kecil (*The candidate be awarded the degree of Doctor of Engineering/Doctor of Philosophy subject to minor corrections);*……………………………………...   .……………

                                                                atau (or)

   b2) Calon dianugerahkan ijazah Doktor Kejuruteraan/Doktor Falsafah setelah membuat pindaan/pembetulan kepada tesis/disertasi seperti yang disenaraikan dalam laporan ini dan disahkan telah berbuat demikian oleh Pemeriksa Dalam/Luar berkenaan; (*The candidate be awarded the degree of Doctor of Engineering/Doctor of Philosophy subject to the amendments/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 Doktor Kejuruteraan/Doktor Falsafah tetapi dibenarkan menghantar semula tesis/disertasi untuk pemeriksaan setelah menjalani kajian dan penyelidikan lanjutan. (*The candidate not be awarded the degree of Doctor of Engineering/Doctor of Philosophy but be permitted to resubmit the tesis/ dissertation for further examination in a revised form after a further period of study and research);* …………………………..   .……………

                                                                atau (or)

   d)   Pencapaian calon tidak memuaskan untuk ijazah Doktor Kejuruteraan/Doktor Falsafah tetapi dicadangkan satu ijazah yang lebih rendah. (*The candidate not be awarded the degree of Doctor of Engineering/Doctor of Philosophy but a lower degree);*   .……………

                                                                atau (or)

   e)   Calon tidak dianugerahkan ijazah Doktor Kejuruteraan/Doktor Falsafah (*The candidate not be awarded the degree of Doctor of Engineering/Doctor of Philosophy)*………..………………………………………………………   .……………

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

2. **Pendapat (*Opinion)***

Saya berpendapat (*In my opinion*)

a) Tesis/Disertasi ini mengandungi banyak sumbangan kepada (*Thesis / dissertation has substantial contribution to*)

    (i)   industri/organisasi (*industry/organization*)…………………………………………..…………   ……………

    (ii)   inovasi (*innovation*)……………………………………...…………………………………   ……………

    (iii)   pembangunan ilmu (*knowledge development*)…………………………………...…………   ……………

b) Keaslian tesis/disertasi dibuktikan dengan penemuan fakta-fakta baru (*Thesis/dissertation affords evidence of originality/novelty by the discovery of new facts);*   ……………

c) Keaslian tesis/disertasi dibuktikan dengan kebolehan memberi Kritikan yang bernas dan jelas (*Thesis/ dissertation affords evidence of originality/novelty by exercising of independent critical ability* ……………………………………….…………   ……………

d) Tesis/Disertasi ini memuaskan dari segi penyampaian (*Thesis/dissertation is satisfactory with regards to literary presentation;)*…………………………………….…………   ……………

e) Terdapat hasil kajian dalam tesis/disertasi ini sesuai untuk diterbitkan (*A significant amount of findings in the thesis/dissertation are worthy of publication;)* …………………………………….…………   ……………

3. **Merit(*Merit)***

Calon layak dianugerahkan 'merit' sekiranya keputusan pemeriksaan tesis pada Bahagian 1 diatas adalah A dan B1 /The candidate may be awarded with 'merit' provided that the result of thesis examination in Part 1 is A or B1).

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

*Skala Pengukuran Seperti Berikut:
Scale of Assessment As Follows:

1	**2**	**3**	**4**	**5**
Sangat Lemah	Lemah	Memuaskan	Baik	Cemerlang
Very Weak	*Weak*	*Satisfactory*	*Good*	*Excellent*

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

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

4.2 Abstrak *(Abstract)*
PLO5 (CS): Candidate demonstrates a good and concise abstract writing.
*Skala pengukuran/*Scale of assessment*:   1   2   3   4   5

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

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

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

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

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

4.8 Kepentingan Sumbangan kepada *(Significance of Contribution to)*

(i) industri/organisasi (*industry/organisation*)

(ii) inovasi (*innovation*)

(iii) pembangunan ilmu (*knowledge development*)

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

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

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)*

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

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

4.12 Kepentingan Kajian *(Significance of the Study)*

4.13 Perakuan Penganugerahan *(Recommendation for the Award)*

4.14 Lain-lain ulasan *(Other comments)*

……………………………………………
Nama Pemeriksa/*Name of Examiner:*
Tarikh/*Date* :

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