



**FACULTY OF CHEMICAL & ENERGY ENGINEERING, UNIVERSITI
TEKNOLOGI MALAYSIA**

PhD Assessment II- Examiner Report

Session /Semester:

Instruction: Please fill in Section A to D and submit the form to the Postgraduate Office after the assessment.

SECTION A: STUDENT DETAILS

Student's Name :

Programme :

Evaluator's name :

Research Group :

SECTION B: ASSESSMENT

Instruction: Please assess each item using the given scales. Fractional marks will be given for each category. The overall mark is 100%.

Item Assessed	Unacceptable (1)	Acceptable (2)	Moderate (3)	Good (4)	Very good (5)	Score
Introduction + Literature Review	<p>Very little background information or information is incorrect</p> <p>Poor understanding of topic, inadequate research or very little research.</p>	<p>Some introductory information, but still missing some major points.</p> <p>Insufficient literature research or may contain unrelated materials.</p>	<p>Introduction is nearly complete, missing some minor points. Problem is sufficiently identified.</p> <p>Sufficient and relevant literature research</p>	<p>Introduction is complete and well written. Problem is sufficiently identified.</p> <p>Analyze and summarize various literature reviews from various academic sources</p>	<p>Introduction is complete and well written; provides all necessary background principles for the research project. Problem is appropriately identified.</p> <p>Literature review is comprehensive and takes into account the state of the art.</p>	/10%
Methodology	<p>Missing several important explanations of materials and/or methodology. Not sequential. Most steps are missing or are confusing. Some procedural components generally described but are not replicable.</p>	<p>Materials and methodology nearly complete but still missing some important experimental/modelling details. Others may have difficulties following procedures – some steps are understandable; but most are confusing and lack detail. Can replicate experiment if reader makes some inferences.</p>	<p>Materials and methodology are explained with sufficient detail; some lack detail or are confusing. Mostly easy to follow. Description of procedure makes it likely that the work can be reliably replicated.</p>	<p>Materials and methodology are complete and justified. Mostly easy to follow. Description of procedure can be replicated.</p>	<p>Materials and methodology are formulated, selected, planned, and implemented appropriately and with justification. Logical and easily followed. Description of procedure is complete, ensuring that it can be replicated.</p>	/30%
Results and Discussion	<ul style="list-style-type: none"> • Discussion and/or Conclusions section limited to only a few sentences. • Does not state results. • Students show poor understanding of the project. 	<ul style="list-style-type: none"> • Minimal discussion of problem/hypothesis • No consideration of experiments methodology. • Presents results without interpretation. • Neglects differences between expected (literature) values 	<ul style="list-style-type: none"> • Recognition of problem/hypothesis, but not of derivation of testable hypothesis. • Description of methodology without thought on appropriateness of methods used. • Data analysis with minimal discussion or interpretation of 	<ul style="list-style-type: none"> • Attempts to generate and test a hypothesis or answer a research question. • Examines appropriateness of research design. • Considers reasoning underlying hypothesis. • Some interpretation and analysis of results, may consider 	<ul style="list-style-type: none"> • Explicit discussion of research hypothesis or question • Clear understanding of research design, including the methods limitations and strengths • Clear understanding of cause and effect appropriate to research level and design 	/60%

PhD Assessment II

Item Assessed	Unacceptable (1)	Acceptable (2)	Moderate (3)	Good (4)	Very good (5)	Score
		and experiment. • Demonstrates scientific knowledge, but without interpretation or analysis.	results.. • Fails to examine results with regard to current state of knowledge.	alternative explanations of results. • Attempts to deal with experiments limitations.	hypothesis • Critical evaluation of results, including alternative explanations of results • Meaningful discussion of experiments limitations	
TOTAL (100%)						

SECTION C: RESULTS (Please calculate the total mark and tick the decision)

Total Marks	Grade	Please tick
91-100	Excellent	
71-90	Very Good	
51-70	Good	
0-50	Poor	

SECTION D: COMMENTS/RECOMMENDATIONS

Please comments on the student progress with the following highlights: Graduate on time (GOT), milestone achievement, publication and suggestion.

EXAMINER

Name:.....

Signature:

Date: