Assessment Guidelines for Results and Discussion (B2)

Mark range	Quality of Work	Performance
9–10	Excellent	The report shows <u>most of the good</u> performances and a few excellent performances.
6–8	Good	The report shows <u>most of the good</u> performances and <u>some</u> good performances.
3–5	Fair	The report shows <u>some</u> basic performances and <u>a few</u> good performances.
1–2	Poor	The report shows <u>a few</u> the basic performances.

Basic performance	**Good performance**	**Excellent performance**
The **results** of the investigation are properly shown, and when appropriate, in the form of tables and/or graphs and/or diagrams.	• When a table is needed, data are well organized and clearly shown in the table with a proper title. • *When graphs are needed, data are presented with appropriate graph.* • *When necessary, appropriate diagrams are drawn to accurately describe the results.* • *When necessary, appropriate calculations of data are done to address the research problem.*	
The results, mainly in **qualitative data (either IV or DV, or both)**, are described and interpreted correctly in relation to the investigative problem.	• The results, mainly in **quantitative data (both IV and DV)**, are described and interpreted correctly in relation to the investigative problem. • *Trends and patterns in data, if any, are recognized and interpreted.*	• *Significant errors, uncertainties and biases of the data, if any, are recognized and discussed in relation to the experimental design.* • *Significant anomalous data and observations, if any, are recognized and discussed.* • Valid improvements of the investigation are suggested to reduce the errors.
A **conclusion** is drawn based on the **qualitative data (either IV or DV, or both).** The conclusion can answer the investigative problem.	A **conclusion** is drawn based on the **quantitative data (both IV and DV).** The conclusion can answer the investigative problem. * When there is a testing hypothesis, the conclusion can clearly indicate if the hypothesis is supported, refuted, or remains undetermined according to the results.	The conclusion drawn is a complex, reasoned judgment made after consideration of the validity and reliability of the data, the limitations of the design, and the relevant theories. *When there is a hypothesis, the alternative hypothesis is discussed. * the generalizability of the conclusion is discussed.

*required only when appropriate

實驗結果及討論 (B2) 的評分準則

分域	作業水平	相關表現
9-10	優異	實驗報告顯示大多數的良好表現及少量的優秀表現。
6-8	良好	實驗報告顯示大多數的基礎表現及部分的良好表現。
3-5	平平	實驗報告顯示部分的基礎表現及少量的良好表現。
1-2	差劣	實驗報告顯示少量的基礎表現。

基礎表現	良好表現	優秀表現
適當展示探究結果，在適當時使用合宜的表格、圖表或/及圖像	- 當有需要時，清楚及有系統地把數據表列出來，並附以適當的標題 * 當有需要時，適當地把數據以圖表展示。 * 當有需要時，適當地以圖像準確地表 達數據 *當有需要時，適當地計處理算數據，以回應探究問題	
自變量或因變量，或兩者均為定性數據，描述及分析探究結果，並依探究的問題(如有假說及預測)作出相關的討論	- 自變量或因變量，或兩者均為定量數據，描述及分析探究結果，並依探究的問題(如有假說及預測)作出相關的討論 * 辨認數據的趨勢和模式(如有)，並加以分析	* 列出並討論重要的誤差、不確定因素及偏倚(如有) * 列出並討論異常的數據及觀察 (如有) - 提出有效的改善方法以減低誤差
- 按定性數據 (自變量或因變量，或兩者均是) 得出結論 - 結論能回應探究問題	- 按定性數據 (自變量或因變量，或兩者均是) 得出結論 - 結論能回應探究問題 * 若有假說時，結論能清晰地指出實驗結果是支持假說、駁倒假說或是未能決斷。	- 結論是考慮數據的效度和信度，以及設計的限制，和相關的理論下很出的有理據的判斷 *當實驗涉及假說時，有討論其他假說的可能性 *有討論實驗結論的概括性

* 當有需要時才適用