

Peer Review

Review of: "Evaluation of Indonesia's Scientific Publication Performance: Quantity, Quality, Open Access, and Comparison with ASEAN Countries"

Tengku Nilam Baizura Tengku Ibrahim¹

1. Universiti Teknologi Mara, Malaysia

Abstract:

- Consider specifying the years of analysis in the title or abstract for temporal clarity (e.g., "2018–2022").
- The use of comparative terms like "far below" can be strengthened with actual statistical significance statements.

Introduction

- Consider citing specific policy documents (e.g., Ristek/BRIN guidelines or university mandates) to support claims about publication obligations.
- Suggest briefly mentioning the challenges of measuring "impact" beyond citations (e.g., policy influence, patents, innovation metrics).

-

- Literature Review
- Add a short paragraph summarizing gaps in the literature before transitioning to the methodology.
- Consider integrating regional development frameworks such as ASEAN Science, Technology, and Innovation Indicators (ASTII).

Method

- Mention which version or timestamp of Scilit data was used.
- Consider explaining the justification for using Scilit over more established databases like Scopus or Web of Science.

- Add limitations of using Scilit (e.g., possible underrepresentation of certain journal types).

Results & Discussion

5.1 OA Ratio

- Include a more nuanced discussion of Gold vs Green OA, and their varying impacts on visibility.

5.2 Number of Articles vs Citations

- Include confidence intervals or boxplot overlays to account for skewed citation distributions.

-

5.3 Correlation Analysis

The negative correlation between OA and citations is an important finding.

- Consider adding regression models to further test whether OA predicts citation count after controlling for country income level or field distribution.

5.4 ASEAN Comparison

Consider visualizing the data in a radar/spider chart to show multidimensional performance.

- A breakdown by discipline (e.g., STEM vs. Social Sciences) might offer deeper insight into citation disparities.

Implications

- Emphasize research culture and mentorship gaps that affect quality.
- Include a discussion on the role of predatory journals in inflating quantity without real impact.

Conclusion and Recommendations

- Consider breaking the recommendations into short-term vs long-term actions.
- Strengthen the role of capacity building (e.g., scientific writing workshops, research methodology training).

General

- Use past tense consistently when describing the study.
- Avoid repetition – e.g., repeating “high quantity” or “scientific impact” multiple times within the same paragraph.

- Use stronger linking words to improve flow between paragraphs – such as Nevertheless, Furthermore, Conversely.
- Consider a final proofreading pass with Grammarly or a professional editing tool for fine-tuning.

Declarations

Potential competing interests: No potential competing interests to declare.