

Review of: "Influence of Meta-cognition, Self-efficacy, and Self-regulated Learning on Students' Achievement in Biology in Ibadan, Nigeria"

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Potential competing interests: No potential competing interests to declare.

1. In the abstract section, I suggest clearly specifying the research subject, as well as the research purpose and objectives.
2. The research background should be detailed within the paper.
3. While mentioning that biology is crucial to national development in the research question, the important reasons are not explained. It should be elaborated to provide a clearer understanding for the readers.
4. The research focus should explain the challenges students face in learning biology. Multiple research literature should be added to support how this study can be utilized to enhance students' conceptual learning of biology.
5. Explain the analytical methods used and explicitly mention the sample size.
6. I recommend adding a literature review section, citing different authors/research related to "Meta-cognition", "Self-efficacy", and "Self-regulated Learning".
7. Detailed explanations within the paper should be provided on the relevance and importance of metacognition to biology concepts.

In conclusion, the quality of the article must be improved to meet the readers' needs.