

Review of: "Impact of Environmental Education on the Knowledge and Attitude of University of Benin Students towards Waste Segregation"

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Potential competing interests: No potential competing interests to declare.

The manuscript titled "Impact of Environmental Education on the Knowledge and Attitude of University of Benin Students towards Waste Segregation" explores the influence of environmental education on students' attitudes and practices related to waste segregation. Overall, the study presents valuable insights into the effectiveness of environmental education in fostering positive behaviors among university students concerning waste management. The following points highlight the strengths and areas for improvement:

Strengths:

The manuscript clearly outlines the research objectives, focusing on the impact of environmental education on waste segregation attitudes among University of Benin students. This clarity enhances the overall coherence of the study.

The use of a comparative approach, with an experimental group exposed to environmental education and a control group without such exposure, is commendable. This design allows for a meaningful comparison of the influence of environmental education on waste segregation attitudes.

The statistical analysis employed in comparing the experimental and control groups adds rigor to the study. The presented percentages and comparisons contribute to the credibility of the findings.

The manuscript makes a significant contribution by emphasizing the practical implications of waste segregation for effective solid waste management. This aspect is crucial, especially in the context of university environments, and provides practical recommendations for broader implementation.

The conclusion effectively summarizes the key findings, reinforcing the positive impact of environmental education on waste segregation attitudes. The recommendations provided are specific, actionable, and address the identified issues.

Areas for Improvement:

While the study references relevant literature on environmental education and waste management, a more comprehensive literature review could strengthen the theoretical framework. Exploring additional studies on similar topics and highlighting any gaps in the existing literature would provide a more robust foundation for the research.

The discussion section could benefit from a more in-depth analysis of the study's findings. Connecting the results to existing literature and theories on environmental education and behavior change would enrich the interpretation of the data.

It would be beneficial to explicitly address the limitations of the study. Discussing any constraints or potential biases in the research design and suggesting avenues for future research could enhance the manuscript's academic value.

Some parts of the manuscript could benefit from enhanced clarity in presentation. Ensuring that all statistical results are clearly explained and that there is a seamless flow between sections will improve the overall readability.

The manuscript, "Impact of Environmental Education on the Knowledge and Attitude of University of Benin Students towards Waste Segregation," offers valuable insights into the role of environmental education in shaping waste management attitudes. With some revisions, particularly in the literature review, discussion, and addressing potential limitations, the manuscript has the potential to make a significant contribution to the field of environmental education and sustainable waste management.

In the light of the above-mentioned opinions, the need for a minor revision is in line with the following points:

- **Literature Review and Discussion should be improved.**
- **Limitations and Future Research should be added as a section to the discussion part of the manuscript.**
- **Some parts of the manuscript should improved as clarity in presentation**