

Review of: "Development of Education for Sustainable Development Integrated Coastal Conservation Education Kit in Junior High Schools"

Mohammad Mojibul Hoque Mozumder¹

¹ University of Helsinki

Potential competing interests: No potential competing interests to declare.

The article "Development of Education for Sustainable Development Integrated Coastal Conservation Education Kit in Junior High Schools" by Nafisatun Nabila and Indra Fardhani from State University of Malang focuses on developing an interactive educational kit for teaching about coastal conservation in the context of Education for Sustainable Development (ESD). The kit is designed for Indonesian junior high school students to enhance their understanding of coastal abrasion and its impacts.

Strengths:

1. **Innovative Educational Approach:** The development of an interactive ESD-integrated coastal conservation education kit is a novel approach that can enhance student engagement and learning.
2. **Comprehensive Development and Testing:** The kit was developed following a modified ADDIE model, with extensive validation from experts and readability tests with teachers and students, ensuring its educational effectiveness.
3. **High Validation Scores:** The kit received very high validation scores (average of 98.5% for the kit and 100% for the guidebook), indicating its suitability for the intended educational purposes.
4. **Alignment with Sustainable Development Goals (SDGs):** The kit addresses multiple SDGs, making it a relevant and timely educational tool.

Limitations:

1. **Limited Implementation Scope:** The research only covers the development and initial testing phases, with the implementation phase planned for future research. This limits the current understanding of the kit's effectiveness in actual classroom settings.
2. **Specific Context Application:** While highly suitable for the Indonesian context, the kit's applicability and effectiveness in other geographic or cultural settings are not explored.

Suggestions for Improvement:

1. **Broader Implementation and Evaluation:** Future research should focus on implementing the kit in diverse classroom settings and evaluating its long-term impact on students' understanding and behavior towards coastal conservation.

2. **Cultural and Geographic Adaptation:** Adapting the kit for various cultural and geographic contexts could broaden its applicability and impact.
3. **Incorporating Technology:** Integrating digital tools or online platforms with the physical kit could enhance its interactivity and accessibility.
4. **Feedback Incorporation:** Continuous revision based on feedback from users (teachers and students) to improve the kit's design and content could make it more effective and user-friendly.

English Language- The English language used in the article "Development of Education for Sustainable Development Integrated Coastal Conservation Education Kit in Junior High Schools" is generally clear and understandable. The authors have managed to communicate their ideas effectively, maintaining a formal and academic tone appropriate for a scholarly article. However, there are occasional grammatical inconsistencies and minor errors that could be refined to enhance the overall readability and professional quality of the article. Improving the consistency in language use and correcting these minor errors would make the text more accessible to a broader international academic audience. A native should revise the article.