

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

Adriana Fernández Souto

Potential competing interests: No potential competing interests to declare.

The work is very interesting and presents an innovative tool that seems to be useful for environmental education.

Suggestions for improving the article:

- In the abstract, it would be appropriate to briefly outline the environmental issue presented (coastal abrasion).
- In the introduction, it is not clear how human factors contribute to this environmental issue. It would be important to detail this with bibliographic support. This point seems crucial, as it is proposed that instilling knowledge in students is the main purpose of the educational kit project, but the reason behind it is not clearly explained. If it is for the prevention of coastal erosion, what are the human factors causing this erosion? If it is for the repair of damage caused by erosion, as suggested in the conclusions, the question should be addressed in the introduction.
- The use of local bibliographic references for the work is very appropriate, but for improvement, some definitions could be taken from international and even more recent bibliographic references. For example, the definition of sustainable development, the importance of education for sustainable development, and even some reference to the use of problem-based learning tools.
- In the methodology section, it lacks clarification on the criteria for sample selection. How many people participated in the work in each of the roles (specialist, teacher, and student), and what is the characterization of each role? It is not clear how the specialist or teacher is defined (from which curricular area and educational level).
- It is not clear what data collection instruments were used; interviews and questionnaires are mentioned in Table 1. It would be necessary to provide further details regarding the data collection methodology.
- The compilation of scientific articles (Table 1 in the methodology), presented as results in Table 11, is not an element of evaluation of the educational kit. This information should be part of the introduction.
- Some bibliographic references cited in the text are missing (for example, Bahrun et al., 2018; Likert, 1932; Tarawi, 2020).
- Clarifying the geographical references to provinces and countries when mentioning cities would be advisable for an international readership.
- In the results section, it is suggested to specify the data source in the tables legend (own data and/or bibliographic reference).
- The paragraph in the results section referring to aspects that need to be maximized, such as language, images, and procedures, is not clear. Is this derived from the students' responses or considerations from the authors?
- Regarding the connection of this research with the mentioned ODS, it would be necessary to provide proper justification.

By the way, the edukit seems very interesting!