

REVIEWER'S REPORT

Manuscript No.: IJAR- 51305

Date: 28/04/2025

Title: "A Study to Assess the Effectiveness of Structured Teaching Programme on Bio-Degradable and Non-Bio-degradable Waste Disposal Management among School Students at Selected School, Puducherry"

Recommendation:

- ✓ Accept as it is
 Accept after minor revision.....
 Accept after major revision
 Do not accept (*Reasons below*)

Rating	Excel.	Good	Fair	Poor
Originality		✓		
Techn. Quality		✓		
Clarity		✓		
Significance	✓			

Reviewer Name: Dr. S. K. Nath

Date: 28/04/2025

Reviewer's Comment for Publication:

The study demonstrates that structured teaching programs significantly improve school students' knowledge regarding biodegradable and non-biodegradable waste disposal management. It highlights the importance of health education in fostering environmental awareness among young learners. Future research with larger, more diverse populations and longer follow-up periods could strengthen evidence for widespread curriculum integration.

Reviewer's Comment / Report

Strengths:

- **Clear Objective and Relevance:** The study addresses a significant environmental issue—waste management among school students, which is crucial for sustainability efforts.
- **Methodological Rigor:** Uses a pre-experimental design with pre-test and post-test assessments, allowing measurement of knowledge change attributable to the intervention.
- **Statistical Validation:** Employs paired 't' tests showing highly significant improvement ($p < 0.001$), validating the effectiveness of the teaching program.
- **Practical Implications:** Provides recommendations for integrating waste management education into school curricula and community health programs.

Weaknesses:

- **Limited Sample and Generalizability:** The study was conducted with a small sample (100 students) from a single school, limiting the ability to generalize findings to broader populations.
- **Lack of Control Group:** The absence of a control group means other external factors influencing knowledge gains cannot be completely ruled out.
- **Short Duration and Follow-up:** The post-test was conducted shortly after the intervention, so long-term retention of knowledge remains unassessed.
- **Potential Bias:** As the same questionnaire was used pre- and post-intervention, there might be testing bias or students simply recalling previous answers.