ABSTRACT

Aris Hastuti, 2025, ***DEVELOPMENT OF A SCIENCE LEARNING MODULE BASED ON LOCAL WISDOM TO IMPROVE STUDENTS' BIODIVERSITY LITERACY ON ECOLOGY AND BIODIVERSITY TOPICS.***

This study aims to develop a science learning module based on local wisdom to improve biodiversity literacy of junior high school students on the topic of ecology and biodiversity. The research employed the ADDIE development model (Analysis, Design, Development, Implementation, Evaluation). Data collection techniques included observation, interviews, questionnaires, and tests. Data analysis consisted of descriptive quantitative analysis. The validation results showed that the module was declared highly feasible with an average validation score of 91.5% from material experts and 89% from media experts. Student response questionnaires indicated that the module was categorized as very practical. The results of the pretest and posttest revealed a significant difference in students' biodiversity literacy skills, indicating an improvement in their biodiversity literacy. The effect size value was 1.02, categorized as a strong effect. Based on the t-test, this module was found to be feasible and effective in developing biodiversity literacy of junior high school students in science learning on the topic of ecology and biodiversity.

Keywords: *ecology, biodiversity, local wisdom, biodiversity literacy, learning module.*