

## ABSTRACT

*SALWA ZAKIYAH RUHMA. 2025. **The Development of FlippingBook-Assisted E-LKPD Based on Environmath to Enhance Students' Metaphorical Thinking Skills.** Master's Program in Mathematics Education. Graduate Program. Siliwangi University.*

*This study aims to describe the development of an environmath based Electronic Student Worksheet (E-LKPD) assisted by FlippingBook and to examine the improvement in students' metaphorical thinking ability before and after the use of the instructional material. The research employed a Research and Development (R&D) methodology using the ADDIE development model. Data collection techniques included observation, expert validation for media and content, metaphorical thinking ability tests, and questionnaires on teacher and student responses. The instruments used consisted of expert validation sheets for content and media, teacher and student response questionnaires, and metaphorical thinking ability test items. The subjects of this study comprised two content experts, three media experts, five mathematics teachers, and 20 seventh-grade students from MTs Miftahul Falah Panumbangan. The research findings indicated that, during the analysis stage, students' metaphorical thinking ability was low, necessitating the development of an Environmath-based E-LKPD assisted by FlippingBook. In the design stage, the development involved the preparation of test instruments, media selection, format planning, and initial product design. The development stage involved product development, which was declared valid. In the implementation stage, the product was tested in the classroom. Finally, in the evaluation stage, it was found that there was a significant improvement in students' metaphorical thinking ability after using the Environmath-based E-LKPD assisted by FlippingBook. The responses from both students and teachers toward the developed E-LKPD were categorized as very positive, indicating that the E-LKPD is feasible for use in the teaching and learning process.*

**Keywords:** *E-LKPD, FlippingBook, environmath, metaphorical thinking skills*