

## **ABSTRACT**

Shofi Nurlina Rasendriya. ***Improvement of Mathematical Literacy Skills and Self-Efficacy of Junior High School Students Through Problem-Based Learning Model Assisted by Quizizz.***

*The mathematical literacy skills of students are categorized as low. The purpose of this study is to determine: 1) whether the improvement in the mathematical literacy skills of students who receive the Quizizz-assisted Problem-Based Learning model is higher than that of students who receive conventional learning. 2) whether the improvement in the self-efficacy of students who receive the Quizizz-assisted Problem-Based Learning model is higher than that of students who receive conventional learning. 3) whether there is a positive correlation between mathematical literacy skills and self-efficacy of students who receive the Quizizz-assisted Problem-Based Learning model. 4) the effectiveness of the Quizizz-assisted Problem-Based Learning model in enhancing mathematical literacy skills. 5) the effectiveness of the Quizizz-assisted Problem-Based Learning model in enhancing self-efficacy. This research uses a quasi-experimental method or pseudo-experiment with a research design called non-equivalent control group design. The population set for this study is all eighth-grade students of SMP Negeri 4 Cimahi, while the sample in this study is the VIII-D class as the experimental class and VIII-D as the control class. The instruments used in this research are a written test for mathematical literacy skills that have been tested and declared valid and a Likert scale questionnaire for self-efficacy that has been validated by judgment. The collected data were then analyzed using IBM SPSS Statistics 27 for Windows. Based on the data analysis of the research results, the conclusion is: 1) The improvement in mathematical literacy skills of students who received the Quizizz-assisted Problem-Based Learning model is higher than that of students who received conventional learning. 2) The self-efficacy of students who received the Quizizz-assisted Problem-Based Learning model is better than that of students who received conventional learning. 3) There is a positive correlation between mathematical literacy skills and self-efficacy of students who received the Quizizz-assisted Problem-Based Learning model. 4) The effectiveness of the Quizizz-assisted Problem-Based Learning model in improving mathematical literacy skills is in the high category. 5) The effectiveness of the Quizizz-assisted Problem-Based Learning model in improving self-efficacy is in the moderrate category.*

**Keywords:** *Literacy Mathematics, Self Efficacy, Problem-Based Learning, Quizizz*