

## **ABSTRACT**

AI KRISTINA SETIAWATI. 2025. *The Effectiveness of Using Learning Media Flipbook Assisted by Augmented Reality on Learning Outcomes and Digital Literacy Ability of Students on Respiration System Material (Experimental Study in Class XI of SMAN 1 Jatiwaras in the 2024/2025 Academic Year)*. Department of Biology Education, Faculty of Teacher Training and Education, Siliwangi University, Tasikmalaya.

*The purpose of this study was to determine the effectiveness of the use of augmented reality assisted flipbook learning media on learning outcomes and digital literacy skills of students on respiration system material in class XI SMAN 1 Jatiwaras. This research was conducted in February 2025. The research method used was quasi experiment with posttest only control group design. The population in this study were all XI classes of SMAN 1 Jatiwaras as many as 5 classes totaling 165 students. The research sample was taken using purposive sampling technique with class XI 3 totaling 34 students as the experimental class and class XI 5 totaling 32 students as the control class. The instrument used was a learning outcome test in the form of multiple choice totaling 30 questions and a digital literacy questionnaire totaling 22 statements. The data analysis technique used was t test and cohen's effect size test. Based on the results of data analysis and hypothesis testing, it shows that the significance value of learning outcomes is 0.000 and digital literacy is  $0.001 < 0.05$ , the cohen's effect size test of learning outcomes is 1.561 and digital literacy is 0.861 which is included in the large effect, so it can be concluded that the use of augmented reality-assisted flipbook learning media is effective on learning outcomes and digital literacy skills of students on respiration system material in class XI SMAN 1 Jatiwaras in the 2024/2025 school year.*

**Key Words:** *Learning Media, Flipbook, Augmented Reality, Digital Literacy, Learning Outcomes*