

ABSTRACT

SHINDY RACHMAN SAFITRI, 2025 ***THE EFFECT OF GITMIND ON COGNITIVE LEARNING OUTCOMES AND COLLABORATIVE SKILLS OF STUDENTS*** (Experimental Study on the Material of the Human Excretory System in Class XI of SMA Negeri 2 Tasikmalaya in the 2024/2025 Academic Year) Thesis Department of Biology Education. Faculty of Teacher Training and Education. Siliwangi University.

This study aims to determine the effect of Gitmind on cognitive learning outcomes and collaborative skills of students on the material of the human excretory system in class XI of SMAN 2 Tasikmalaya in the 2024/2025 academic year. This research was conducted from January to February 2025. The research method used was a quasi experiment using the matching-only posttest-only control group designs. The population in this study was all class XI of SMAN 2 Tasikmalaya who were interested in biology, namely 6 classes with a total of 228 students. The research sample was taken using purposive sampling technique so that two classes were obtained as sample classes, namely class XI-A3 with 38 students as the experimental class and class XI-C1 with 38 students as the control class. The instruments used in this study were tests and non-tests. The test was in the form of a posttest, namely multiple choice with 50 questions regarding the validated human excretory system material and a non-test in the form of a questionnaire with 30 statements regarding the validated students' collaboration skills. The data analysis technique used was the independent t-test with a significance level of $\alpha = 0.05$. The results of the data analysis showed that H_0 was rejected with a significance of <0.05 ($0.029 < 0.05$) for cognitive learning outcomes and ($0,043 < 0,05$) for the collaboration skills. The results of the study obtained an average posttest score of the experimental class of 43,270 and the control class of 41,400 for cognitive learning outcomes. While the average posttest score of the experimental class was 104,800 and the control class was 100,200 for the collaboration skills. Based on data analysis and hypothesis testing, it is concluded that there is an influence of Gitmind in the discovery learning model on cognitive learning outcomes and collaborative skills of students on the human excretory system material in class XI SMAN 2 Tasikmalaya in the 2024/2025 academic year.

Keywords: *Gitmind, discovery learning, cognitive learning outcomes, collaborative skills*