

## ABSTRACT

SAHRUL MAULIDIN. 2023. *THE INFLUENCE OF 3D ANATOMY AND PHYSIOLOGY MEDIA BASED ON LESSON STUDY ON LEARNING OUTCOMES AND STUDENTS' CRITICAL THINKING ABILITY (Experimental Study on the Concept of Circulation System Material in Class XI MIPA SMA Negeri 8 Tasikmalaya Academic Year 2022/2023)*. Department of Biology Education, Faculty of Teacher Training and Education, Siliwangi University, Tasikmalaya

*The purpose of this study was to determine whether there is an influence of 3D Anatomy and Physiology media based on Lesson Study on student learning outcomes and critical thinking skills. The research method used was a pre-experimental method with a sample using 35 students selected using purposive sampling techniques and one group pretest-posttest research design. Based on the results of the study, the influence of 3D Anatomy and Physiology media as a learning medium and Lesson Study activities as an effort to improve the quality of learning on circulatory system material, it was found that the hypothesis test of learning outcome data with the Wilcoxon Match Pairs Test obtained a significance value of 0.000 ( $< 0.05$ ) and a hypothesis test of critical thinking skills with a *t* test obtained a value of 0.000 ( $< 0.05$ ). This can be interpreted as the influence of 3D Anatomy and Physiology media based on Lesson Study on student learning outcomes and critical thinking skills. Lesson Study activities carried out in research consist of Plan (planning), Do (implementation), and See (reflection) stages for 3 learning meetings of circulation system material. The influence shown by each indicator of learning outcomes and students' critical thinking skills, shows that the highest increase in learning outcome indicators is found in indicator C4 (analyzing) and afterwards in indicator C1 (remembering), while the lowest increase is found in indicator C2 (understanding). Furthermore, the highest increase in the indicator of students' critical thinking ability was found in (the basic support) indicator, while the lowest increase was found in (the strategy and tactics) indicator.*

**Keywords:** 3D Media Anatomy and Physiology, Lesson Study, Learning Outcomes, Critical Thinking