

ABSTRACT

SELA SITI DELIANTI, 2024. "**The Influence of the Creative Problem Solving Learning Model on the Critical Thinking Ability and Cognitive Learning Outcomes of Students on Excretory System Material (Experimental Study in Class XI MIPA SMAN 1 Jatiwaras Academic Year 2023/2024)**" Biology Education Department Thesis. Faculty of Teacher Training and Education. Siliwangi University

This research aims to determine the influence of the creative problem solving learning model on students' critical thinking abilities and cognitive learning outcomes in the excretion system material in class XI MIPA SMAN 1 Jatiwaras academic year. 2023/2024. This research was carried out from November to May 2024. The method used in this research was a quasi experiment. The population in this study was all five classes of students in class XI MIPA SMAN 1 Jatiwaras with a total of 151 students. The research sample was taken using a purposive sampling technique so that two classes were presented as samples, namely class XI.3 with 33 students as the experimental class and class XI.1 with 30 students as the control class. The instruments used in this research were a description test of 8 critical thinking questions and a cognitive learning outcomes test in the form of a compound choice of 30 questions on the excretory system material. The data analysis technique used is ANCOVA with a significance level of $\alpha = 0.05$. Based on the results of data analysis and hypothesis testing, it shows that the significance value of critical thinking abilities and cognitive learning outcomes is less than 0.05, namely 0.000, so it can be concluded that there is an influence of the creative problem solving learning model on students' critical thinking abilities and cognitive learning outcomes in the material. excretory system in class XI SMAN 1 Jatiwaras academic year 2023/2024.

Keywords: *creative problem solving, learning model, critical thinking cognitive learning outcomes*