

ABSTRACT

Silvia Lutfiani. 2023. ***THE EFFECT OF THE IDEAL PROBLEM-SOLVING LEARNING MODEL ON PROBLEM-SOLVING ABILITIES IN ELASTICITY MATERIAL***

This research is motivated by the low problem-solving abilities of students in elasticity material, learning which is still teacher-centered, and the problem-solving model has not been implemented. Researchers attempt to overcome this problem by applying the IDEAL Problem-Solving learning model. This research aims to determine the effect of the IDEAL Problem-Solving learning model on problem-solving abilities in elasticity material in class XI MIPA SMA Negeri 1 Cicalengka in the 2023/2024 academic year. The research method and design used were quasi-experiment and the nonequivalent posttest-only control group design. The subjects of this research are students in class XI MIPA SMA Negeri 1 Cicalengka for the 2023/2024 academic year. The research population was all 7 classes of class XI MIPA SMA Negeri 1 Cicalengka. The sampling technique used purposive sampling for 2 classes, namely class XI MIPA 2 as the experimental class and class XI MIPA 3 as the control class. Data collection was carried out using learning implementation observation sheets and problem-solving ability tests. The results of data analysis on the implementation of the learning model as a whole are in the very good category. The results of test data analysis in the normality test with the Chi-square formula show that the research sample is normally distributed and the homogeneity test with the F test shows that the research sample has a homogeneous variance. Proving the hypothesis using the t-test at the significance level ($\alpha=0.05$) shows that $t_{count} > t_{tabel}$ which means H_0 is rejected and H_a is accepted, meaning that there is an influence of the IDEAL Problem Solving learning model on problem-solving abilities in elasticity material.

Keywords: IDEAL Problem-Solving, problem-solving ability, elasticity.