ABSTRACT

Tita Hidayati. 2023. *THE EFFECT OF CREATIVE PROBLEM SOLVING (CPS) LEARNING MODEL WITH METACOGNITIVE SCAFFOLDING ON PROBLEM SOLVING SKILLS IN LINEAR MOTION*

Based on the preliminary study at SMA Negeri 1 Manonjaya, it is known that students' problem-solving skills are considered insufficient. This is reinforced by the observation results that in the learning process, there is a lack of support for students' problem-solving skills, and teachers have not accustomed students to manage their own learning process. Addressing this issue is crucial because problem-solving skills are essential in the 21st century. Additionally, metacognitive skills are also deemed important to ensure the success of students' learning. The researcher's chosen solution to address these issues is to implement the Creative Problem Solving (CPS) learning model with Metacognitive Scaffolding. The aim of this research is to determine the influence of the CPS learning model with Metacognitive Scaffolding on students' problem-solving skills in the topic of linear motion in class X MIPA SMA Negeri 1 Manonjaya in the academic year 2023/2024. This study employs a quasi-experimental research method with the research design of the nonequivalent posttest-only control group. The population of the study includes all class X MIPA SMA Negeri 1 Manonjaya, totaling 7 classes with 252 students. The research sample consists of 2 classes selected using the cluster random sampling technique, namely class X MIPA 2 as the experimental class and class X MIPA 7 as the control class. Based on the hypothesis test using the t-test, it can be concluded that the Creative Problem Solving (CPS) learning model with Metacognitive Scaffolding has an impact on problem-solving skills in the topic of linear motion in class X MIPA SMA Negeri 1 Manonjaya in the academic year 2023/2024. This model also facilitates students in managing their problem-solving and learning processes independently.

Keywords: creative problem solving, linear motion, metacognitive scaffolding, problem-solving skills.