

## THE APPLICATION OF PROBLEM-BASED LEARNING (PBL) BASED ON LKPD TO IMPROVE CREATIVE THINKING SKILLS AND MATHEMATICS LEARNING OUTCOMES OF CLASS VIII STUDENTS OF SMPN 1 SAKRA IN THE 2024/2025 SCHOOL YEAR

This study aims to determine the application of Problem Based Learning (PBL) which can improve the creative thinking ability and mathematics learning outcomes of SMPN 1 Sakra students in the 2024/2025 academic year on the material of the system of linear equations of two variables. This research is a quantitative research study with quasi experimental method with the design used is pretest posttest nonequivalent control group design. The subjects in this study were students of class VIII B as an experimental class and students of class VIII D as a control class of 32 students each class. This research data is the pretest and posttest scores of creative thinking skills and student math learning outcomes using the Problem Based Learning model assisted by LKPD and conventional models. After the data is obtained and analyzed, it can be seen that the average posttest value of class VIII B creative thinking ability is 56.21% and student mathematics learning outcomes are 61.90% and the average posttest value of class VIII D creative thinking ability is 47.18% and student mathematics learning outcomes are 48.90%. Based on the research results, data analysis and discussion, it can be concluded that the application of Problem Based Learning (PBL) can improve the creative thinking ability and mathematics learning outcomes of SMPN 1 Sakra students in the 2024/2025 school year.

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