THE INFLUENCE OF THE PROBLEM BASED LEARNING MODEL ON MATHEMATICS LEARNING OUTCOMES OF CLASS V PRIMARY SCHOOL STUDENTS

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ABSTRACT

This research aims to improve student learning outcomes through a problem based learning model in mathematics learning on the topic of learning flat figures. This research was carried out in class V at SDN 239 Cigondewah. This research is motivated by the situation of students in class V at SDN 239 Cigondewah whose learning outcomes are low in learning because teachers often use conventional lectures, whereas other learning models, especially problem based learning models, have never been implemented. This research method uses a quantitative approach with quasi-experimental type experimental research and the research design used is Nonequivalent Control Group Design. The data analysis techniques used are normality test, homogeneity test, independent sample t test, and paired sample t test. The data collection technique used is through the form of pretest posttest and observation sheets. The sample in this study was class V students at SDN 239 Cigondewah which consisted of 2 classes, namely class V A as the control class and class V B as the experimental class. The results of this research show that there are differences between classes that use the problem based learning model and conventional classes based on the results of the independent sample t test which produces a significance value of 0.00<0.05. There is an influence of the use of the problem based learning model on student learning outcomes in class V mathtematics learning at SDN 239 Cigondewah. Based on the results of the paired sample t test, a significance value of 0.00 < 0.05 was produced.

Keywords: Problem Based Learning, Learning Outcomes.