THE EFFECT OF PROBLEM BASED LEARNING MODEL USING WORDWALL APPLICATION ON IMPROVING CLASS IV SCIENCE LEARNING OUTCOMES

(Quasi-Experimental Research on Students of SDN 066 Halimun Bandung)

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ABSTRACT

This research is motivated by the low learning outcomes of students due to the conventional learning model, the teacher-centered learning method and the lack of interactive tools or media. The purpose of this study was to obtain the average difference, the increase in learning outcomes and how much influence the problem based learning model assisted by the wordwall application has on improving the learning outcomes of class IV science. This study uses a quantitative method with a quasi experiment. The research design used is the Non-Equivalent Control Group Design. The population used was class IV students of SDN 066 Halimun Bandung consisting of 52 students. The sample in this study was class IV A totaling 26 people as the experimental class and IV C totaling 26 people as the control class. The results of the study showed that the descriptive statistical test in the experimental class obtained an average posttest value of 81.38 and the control class posttest of 74.12, meaning that in the experimental class it was greater and increased by being given treatment using the problem based learning model assisted by the wordwall application. The results of the study obtained the T test (Independent Sample T-Test) obtained a posttest value of 0.043 meaning the sig value (2-tailed) <0.05 that H_0 is rejected and H_a is accepted meaning there is a significant difference. The results of the N-Gain test of the experimental class were 0.59 and the control class was 0.46 stated that the experimental value was greater than the control class. The results of the effect size test obtained a value of 0.58 meaning that there is an influence of the problem based learning model assisted by the wordwall application on improving the learning outcomes of class IV science at SDN 066 Halimun Bandung.

Keywords: Problem Based Learning, Wordwall, Learning Outcomes.