

**THE EFFECT OF PROJECT BASED LEARNING (PJBL) MODEL USING  
WORDWALL MEDIA ON STUDENTS' LEARNING OUTCOMES IN THE  
SUBJECT OF SCIENCES**

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**ABSTRACT**

*This research is motivated by the low learning outcomes of students in the subject of science in elementary schools. The purpose of this study is to determine the effect of the use of the Project Based Learning (PjBL) model assisted by wordwall media on student learning outcomes. The method used is a quantitative research method with a quasi-experimental research type, and a nonequivalent control group design. The population used in this study were all fifth grade students of SDN Cilisung 01. The sample used was students in class V-A as the control class and V-B as the experimental class, each consisting of 20 people. Data analysis was carried out using descriptive tests, normality tests, homogeneity tests, independent sample t-tests, effect size tests and n-gain tests. The results of the study showed that the results of the hypothesis test obtained Sig. (2-tailed) of  $0.000 < 0.05$ , so there is a difference in learning outcomes between students in the experimental class and students in the control class. There is an increase in the learning outcomes of students who use the Project Based Learning (PjBL) model assisted by wordwall media with students who use the direct learning model, this can be seen from the average pretest value of the experimental class which is 54.75 and the average posttest of 89.4. While in the control class, the average pretest was 51.65 and the average posttest was 78.4. Based on the results of the effect size, the Project Based Learning (PjBL) model assisted by wordwall media has an influence of 1.4 on the learning outcomes of students who are included in the large category. Thus, it can be concluded that using the Project Based Learning (PjBL) model assisted by wordwall media can affect the learning outcomes of students in the subject of science.*

**Keywords:** *learning outcomes, project based learning, wordwall*