

# **THE EFFECT OF WORDWALL APPLICATION USAGE IN SCIENCE LEARNING ON THE UNDERSTANDING OF ELEMENTARY SCHOOL STUDENTS**

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## **ABSTRACT**

The background of this research is the lack of understanding of students in science lessons at Pertiwi elementary school Bandung due to the learning process that does not utilize interactive learning media to stimulate student understanding. Teachers are not experts in applying learning media that utilize technology in the midst of the rapid development of existing technology. Therefore, new innovations are needed in learning with one of them utilizing digital learning media wordwall application. The purpose of this study was to determine the effect of wordwall application on students' understanding in science learning in the fourth grade of Sekolah dasar Pertiwi. The research method used is quasi-experimental with pretest-posttest control group research design. Data collection techniques through observation, tests, and questionnaires. The tests used in the form of a description of the questions that serve as data on student understanding. The sample used is Class IV Elementary School where Class IV A as a control class with conventional and Class IV B as an experimental class that utilizes the use of wordwall media in the learning process. Data processing techniques were performed using normality test, homogeneity test, paired sample t test, linearity test, and regression test assisted by IBM SPSS software version 28. Based on the results of the study, obtained an overview of the learning process of students using wordwall and an overview of the learning process of students with conventional learning, there are differences in student understanding between the experimental class with the control class produced a significance value of 0.000 through the test paired sample t test, there is the influence of independent variables to the dependent variable of 76.6% in the experimental class. Thus the wordwall application has an influence on the understanding of students in the fourth grade of Pertiwi elementary school.

**Keywords:** Digital Learning Media, Wordwall Application, Student Understanding, Elementary science learning, educational games.