THE EFFECT OF THE PROJECT BASED LEARNING MODEL ASSISTED BY THE RUMAH BELAJAR WEBSITE ON IMPROVING STUDENTS' MATHEMATICS LEARNING OUTCOMES

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ABSTRACT

This study is based on the low mathematics learning outcomes of students, many students do not like mathematics learning because for them mathematics is a difficult learning with abstract material. This study aims to determine the description of the learning process, the influence and improvement of the Project Based Learning model assisted by the Rumah Belajar website by comparing two classes, namely the experimental class and the control class. The subjects of this study were students of fourth grade of Pamoyanan State Elementary School, while the objects were classes IV A and IV B, the classes were selected using saturated sample techniques. The research method used was a quasi-experiment with nonequivalent control group design. Pretest, posttest and observation sheets were the data collection methods used. Based on the results of the study, a description of the learning process of students using the Project Based Learning model assisted by the Rumah Belajar website and a description of the learning process of students using conventional learning, namely the Project Based Learning model without any assistance. The results of the normalized n-gain test showed an increase in the experimental class of 77% with a high category and the control class of 40% with a low category. To calculate whether there is an influence on the Project Based Learning model assisted by the Rumah Belajar website on improving students' mathematics learning outcomes, namely by using a simple linear regression test with the results of 0.045 <0.05, H_0 is rejected and H_1 is accepted. So it can be concluded that the learning process using the Project Based Learning model assisted by the Rumah Belajar website has an increase with the learning process using conventional learning models. The use of the Project Based Learning model assisted by the Rumah Belajar website also has an influence on students.

Keywords: Student Learning Outcomes, Project Based Learning Model and Rumah Belajar Website