

THE EFFECT OF THE PROBLEM BASED LEARNING MODEL ON THE ABILITY OF UNDERSTANDING THE CONCEPT OF SCIENCE LEARNING USING THE QUIZZZ APPLICATION OF GRADE IV ELEMENTARY SCHOOL STUDENTS

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ABSTRACT

The purpose of this study was to determine how much influence the Problem Based Learning model assisted by Quizizz media has on the ability to understand science learning in grade IV elementary school students. This research method uses a quantitative method, so it can be processed using several tests and can be calculated using the SPSS version 25 application. The data collection technique uses tests including pretests and posttests. The sample in this study was 27 students for the control class of 13 students and the experimental class of 13 students. The results of the research that has been carried out showed an increase in the experimental class of 21.5, the control class of 16.2. While the results of the normality test of the experimental class using the pretest results of 0.294 and the posttest results of 0.107, and for the control class the pretest results were 0.150 and the posttest results were 0.537. Therefore, both classes are normally distributed. In the results of the homogeneity test of the experimental class and the control class from the significant value Based on Mean, which is 0.931 which is homogeneous, the results of the hypothesis test using the Gain Score test in the experimental class, which is 0.5254, are included in the moderate category and in the control class 0.4314 are included in the moderate category. So it can be concluded that the Problem Based Learning model assisted by Quizizz media has a low effect on the ability to understand the concept of science in grade IV elementary school, this is because the average value of the experimental class is not much different from the average value of the control class, so the effectiveness of the Problem Based Learning model is not significant in improving students' conceptual understanding.

Keywords: Problem Based Learning Model, Concept Understanding, Science, Quizizz, IV Elementary School.