

The Influence of the Problem Based Learning (PBL) Model Assisted by Quizizz Media on Improving the Critical Thinking Skills of Elementary School Students in Mathematics

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ABSTRACT

This research is motivated by the low critical thinking ability of fourth grade students in mathematics, so that the achievement of students' critical thinking ability in mathematics still has not reached the criteria for achieving learning objectives. The purpose of this study is to determine, analyze, and describe the effect of the Problem Based Learning (PBL) model assisted by Quizizz media on improving students' critical thinking ability in mathematics. The study was aimed at fourth grade students at SDN 020 Lengkong Besar, Bandung City. The population in this study was all fourth grade students of SDN 020 Lengkong Besar. The sample of this study was class IV A as the experimental class and class IV D as the control class. Data collection techniques used in this study were tests, observations, and documentation. The researcher conducted data analysis by calculating hypothesis tests and n-gain tests with the help of the SPSS version 26.0 application. Based on the results of the study and data analysis, the final critical thinking ability in mathematics of students who used the Problem Based Learning (PBL) model assisted by Quizizz media was better than students who received the conventional model. The increase in students' critical mathematical thinking skills from the gain test results is 0.66 with a moderate increase category. So it can be concluded that the use of the Problem Based Learning (PBL) model assisted by Quizizz media can increase the critical mathematical thinking skills of elementary school students by around 66%.

Keywords: *Critical Thinking Skills, Problem Based Learning (PBL), Quizizz, Elementary School Students.*