ABSTRACT

THE INFLUENCE OF THE PROBLEM BASED LEARNING MODEL ASSISTED WITH CANVA MEDIA TO IMPROVE MATHEMATICAL PROBLEM SOLVING ABILITY STUDENTS IN PRIMARY SCHOOLS

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Mathematical problem solving ability is an important ability that students must have and develop. One learning model that can improve students' mathematical problem solving abilities is the problem based learning model. This research aims to: 1) determine the effect of the problem based learning model on students' mathematical problem solving abilities using Canva media compared to conventional learning models. 2) determine the effect size of the problem based learning model on students' mathematical problem solving abilities. 3) determine the increase in students' mathematical problem solving abilities by using the problem based learning model assisted by Canva media compared to conventional learning. The research method used in this research is quasi-experimental. The population in this study were fifth grade elementary school students. The samples used were two classes selected using random class techniques, namely class VA as an experimental class with the application of the problem based learning model and class VB as a control class with direct learning. The data collection technique used is a test in the form of a description to measure students' mathematical problem solving abilities and a non-test in the form of an observation sheet. Data analysis was carried out using SPSS 27.00 for Windows. Based on the analysis of research data, it was concluded that: 1) there is an influence of the problem based learning model assisted by Canva media on students' mathematical problem solving abilities compared to conventional learning models, 2) the effect size of the problem based learning model on students' mathematical problem solving abilities students are quite large, 3) there is an increase in students' mathematical problem solving abilities by using the problem based learning model assisted by Canva media compared to conventional learning.

Keywords: *problem based learning model, mathematical problem solving abilities, canva media*