

# **APPLICATION OF DISCOVERY LEARNING MODEL ASSISTED BY KAHOOT APPLICATION TO IMPROVE MATHEMATICAL CONCEPT UNDERSTANDING OF ELEMENTARY SCHOOL V CLASS**

## **ABSTRACT**

This research is motivated by the low understanding of mathematical concepts of the fifth grade students of SDN Tegalwangi. The purpose of this study is to find out the increase in students' understanding of mathematical concepts using the discovery learning model assisted by the Kahoot application for fifth grade students at SDN Tegalwangi, Bandung Regency, in the 2021/2022 academic year. From the results of the initial observations that the researchers have done, it shows that the students' ability to understand mathematical concepts is low. Therefore, the authors are interested in conducting a research entitled "Application of the Kahoot Application-Assisted Discovery Learning Model to Improve the Understanding of Mathematical Concepts for Class V Elementary School Students". This study uses a quasi-experimental type of non-equivalent control group design. The population used in this study were all students of Class V SDN Tegalwangi as many as 60 students. The sample of this study consisted of two groups, namely class VA as many as 22 students as the experimental class and class VB as many as 22 students as the control class. The treatment applied to the experimental group was the application of the discovery learning model assisted by the Kahoot application. The results of this study indicate that there is an increase in understanding of mathematical concepts by 71% and if you look at the average there is an increase for the experimental class from 63% to 90% while the increase for the control class is 46% and when viewed from the average value there is an increase from 56% to 78%. Likewise, student responses showed the results of the application of the discovery learning model to obtain the results that most (53.98%) students strongly agreed with the positive statement and most (65.91%) students did not agree with the negative statement in the questionnaire. Meanwhile, for student responses, there was the application of kahoot media. The results showed that most (64.14%) students strongly agreed with the positive statements and almost half (48.49%) students strongly disagreed with the negative statements in the questionnaire.

**Keywords:** Discovery Learning Mode, Kahoot Media, Understanding Mathematical Concepts.