THE INFLUENCE OF GROUP INVESTIGATION (GI) COOPERATIVE LEARNING MODEL ASSISTED BAAMBOOZLE MEDIA ON ELEMENTARY SCHOOL STUDENTS MATHEMATICAL UNDERSTANDING ABILITIES

By

Hany Yusliani

215060067

ABSTRACT

This research was motivated by the problem of the low mathematical understanding skills in elementary school students. The study aimed to describe the mathematical understanding abilities, analyze the influence and the effect of implementing the Group Investigation (GI) cooperative learning model assisted by baamboozle media on elementary school students' mathematical understanding abilities of elementary school students, specifically concerning the topic of standard unit volume. The research targeted fourth-grade students at SDN 066 Halimun, Bandung City, as the research population. Class IV D was the experimental group and Class IV A the control, chosen by purposive sampling. A quasi-experimental research method with a nonequivalent control group design was employed. Data were collected through tests, observations, interviews, and documentation. For data analysis, IBM SPSS Statistics 29.0 software was used to conduct normality tests, homogeneity tests, hypothesis tests and and manually calculated effect size tests. Based on the research findings, the Mathematical Understanding Ability profile of students in the experimental group was better than that of the control group, and the experimental group's data was more consistent around the mean. The results of the hypothesis testing and effect size test on the posttest data indicate a significant influence from the use of the GI learning model and Baamboozle media in improving students' KPM. Based on the data, it is concluded that the use of the Group Investigation (GI) cooperative learning model assisted by Baamboozle media significantly influences the mathematical understanding abilities of elementary school students.

Keyword: *Mathematical Understanding Abilities, Group Investigation (GI), Baamboozle, Elementary School Students*