ABSTRACT

Rifa Atuz Zahra (2022). ***Improved Mathematical Communication Skills and Self-Confidence of Junior High School Students through the Google Classroom-assisted Discovery Learning Model.***

The purpose of this study was to 1) determine the improvement of mathematical communication skills of students who received discovery learning models assisted by google classroom better than students who received conventional learning models. 2) Knowing the self-confidence of students who get the discovery learning model assisted by google classroom is better than students who get the conventional learning model. 3) Knowing that there is a correlation between mathematical communication skills and self-confidence who obtained the discovery learning model assisted by Google Classroom. The method used is quasi-experimental. The subjects in this study were students of class VIII SMP Negeri 4 Tanjungpandan with the object being the mathematical communication skills and self-confidence of junior high school students. For the research sample, two classes were taken, namely class VIII E as the experimental class that received the Google Classroom-assisted Discovery Learning model and class VIII F as the control class that received the conventional learning model. The instrument used in this research is a test of mathematical communication skills and a self-confidence scale. The collected data was processed using IBM SPSS 17.0 software for windows. Based on the results of data analysis, it was concluded that: 1) The improvement of mathematical communication skills of students who received discovery learning models assisted by google classroom was better than students who received conventional learning models. 2) The self-confidence of students who received the discovery learning model assisted by google classroom was better than students who received conventional learning. 3) There is a correlation between mathematical communication skills and self-confidence of students who get the discovery learning model.

Keyword: *Mathematical Communication Skills, Self-Confidence, Model Discovery Learning assisted by Google Classroom*