

ABSTRACT

Ade Riana (2022). *Improving of Mathematical Critical Thinking Skills and Self-Confidence of Junior High School Students through the Discovery Learning Model assisted by Google Classroom.*

Learning models that are used inappropriately will cause learning activities to be ineffective so that it is not uncommon for the desired learning activities and objectives to be achieved. Therefore, it is necessary to renew the use of mathematics learning models in schools, so that learning activities become more effective and run optimally. One alternative that can be used is the application of the Google Classroom-assisted Discovery Learning model. The Discovery Learning model is carried out in groups with learning steps starting from giving stimulation, statement/problem identification, data collection, data processing, proof, and drawing conclusions/generalizations. The purpose of this research is to find out; whether the increase in mathematical critical thinking skills of students who received the discovery learning model assisted by google classroom was higher than the students who received the ordinary learning model; whether the self-confidence of students who received the discovery learning model assisted by google classroom was better than the students who received the ordinary learning model; is there a positive correlation between mathematical critical thinking skills and self-confidence of students who get the discovery learning model assisted by google classroom. The research method used is quasi-experimental. The subjects in this study were students of class VIII D and VIII E of SMP Negeri 2 Tanjungpandan with the object being the mathematical critical thinking ability and self-confidence of junior high school students. Based on the results of data analysis, it was concluded that: 1) The increase in mathematical critical thinking skills of students who received the discovery learning learning model assisted by google classroom was higher than students who received the ordinary learning model. 2) The self-confidence of students who received the discovery learning model assisted by google classroom was better than the students who received the ordinary learning model. 3) there is a positive correlation between students' mathematical critical thinking skills and self-confidence of students who get the discovery learning learning model assisted by google classroom.

Keywords: *Mathematical Critical Thinking Ability, Self-confidence, Learning Discovery Learning assisted by Google Classroom.*