

# **Improving Literacy Ability and Mathematical Disposition of Junior High School Students Through the Discovery Learning Model with the Assistance of Google Classroom**

by

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## **Abstract**

Literacy ability and mathematical disposition are very important things to be possessed by students at the high school level. Literacy ability is an important aspect of students' cognitive abilities, meanwhile, mathematical disposition is an affective ability that greatly supports the success of learning mathematics. However, the mathematical literacy ability and mathematical disposition of students at school are still very low. The aims of this research are: (1) to find out the achievement of increasing mathematical literacy skills of students who get the Discovery Learning model assisted by Google Classroom is higher than students who get the ordinary learning model; (2) to determine the mathematical disposition of students who received the Discovery Learning model assisted by Google Classroom better than students who received the ordinary learning model; (3) to find out the positive correlation between mathematical literacy ability and students' mathematical disposition through the model Discovery Learning assisted by Google Classroom. The method used in this research is quantitative research with a quasi-experimental type of research to see the causal relationship between variables at SMP Negeri 3 Katapang. The research design used is non-equivalent (non-equivalent control group design). The research instrument used was a test of mathematical literacy skills with test questions in the form of descriptions, while the mathematical disposition was given questions in the form of questionnaires. Based on the test results of the instrument, it turns out that the instrument has good criteria. The results showed that: (1) The achievement of increasing mathematical literacy skills of students who received the Discovery Learning model assisted by Google Classroom was higher than students who received the ordinary learning; (2) Mathematical disposition of students who received the Discovery Learning model assisted by Google Classroom was better than students who received the ordinary learning model; (3) There is a significant positive correlation between literacy ability and students' mathematical disposition through the Google Classroom-assisted Discovery Learning model.

**Keywords:** *Mathematical Literacy, Mathematical Disposition, Discovery Learning Model.*