ABSTRACT

Nida Aulia Pangesti Limbangan. (2021). *Analysis of Mathematical Communication Ability and Mathematical Disposition of High School Students in the Implementation of Discovery Learning Models*.

Mathematical communication skills and mathematical disposition are important for students to have. One of the learning models that can help to develop students' mathematical communication skills and mathematical disposition is the discovery learning model. This study aims to analyze and describe: (1) the mathematical communication skills of high school students in the implementation of the discovery learning model; (2) the mathematical disposition of high school students in the implementation of the discovery learning model; (3) the relationship between mathematical communication skills and mathematical disposition of students. The type of research used is a literature study with a qualitative approach. The data sources used in this study are primary data and secondary data related to mathematical communication skills, mathematical disposition, and discovery learning models derived from reputable national and international journal articles. Primary data and secondary data related to mathematical communication skills respectively are 16 articles and 15 articles. Primary data and secondary data related to mathematical disposition respectively are 6 articles and 18 articles. Primary data and secondary data related to the relationship between mathematical communication skills and mathematical disposition of students respectively are 5 articles and 11 articles. The results showed that: (1) the mathematical communication skills of high school students in the implementation of the discovery learning model were in a good category; (2) the mathematical disposition of high school students in the implementation of the discovery learning model is in a good category; (3) there is a positive relationship between mathematical communication skills and mathematical disposition.

Keywords: Mathematical Communication Skills, Mathematical Disposition, Model Discovery Learning