

## **ABSTRACT**

M Rivaldi Permana. *Analysis of Student's Mathematical Communication Ability and Mathematical Disposition through Problem Based Learning (PBL)*

*This research based on the low mathematical communication ability and mathematical disposition of students. To solve this problem, one of the learning models is needed which is expected to be able to develop mathematical communication skills and mathematical disposition of students, namely the problem-based learning model (PBL). The purpose of this study is to analyze: Students' mathematical communication ability through problem-based learning (PBL) models; Implementation of problem based learning (PBL) model on students' mathematical disposition; Positive correlation between mathematical communication ability and students' mathematical disposition. The type of research conducted in this research is library research using a qualitative research approach. The qualitative research method in this study uses the documentation method. Sources of data used in this study are primary sources and secondary sources. Based on data analysis, it can be concluded as follows 1) The ability of high school students' mathematical communication skills can be improved and developed through a problem-based learning model; 2) The implementation of the problem based learning model has a positive influence on the mathematical disposition of students in high school; 3) there is a correlation or relationship between mathematical communication skills and students' mathematical dispositions, mathematical communication abilities can be influenced by the level of students' mathematical dispositions.*

**Key Word** : *Mathematical Communication Ability, Mathematical Disposition, Problem Based Learning (PBL) model.*