

## **ABSTRACT**

**DESI NURYANI. 2023. *Analysis of Students' Mathematical Communication Ability Based on Sensing and Intuition Personality Types*. Mathematics Major. Faculty of Teacher Training and Education. Siliwangi University.**

*This research aims to describe students' mathematical communication ability in terms of sensing and intuition personality types. The type of research used was qualitative research with exploratory method. The data collection techniques in this research were by giving mathematical communication ability question test, sensing and intuition personality types questionnaires, and unstructured interviews. The subjects in this research were students taken from class IX A at 12 Junior High School Tasikmalaya with the consideration that students have done mathematical communication ability question test that fulfil four indicators of mathematical communication ability and classification of sensing and intuition personality types. The analysis techniques in this research are data reduction, data display, and conclusion drawing. The results concluded that: student with the sensing personality type can fulfill all indicators of mathematical communication ability, able to present image and daily events in mathematical ideas or symbols in detail, in conveying information verbally is not as detailed as what is written down, and there are still errors in writing mathematical symbols that are used in the formula used. Students with intuition personality type can fulfill all indicators of mathematical communication ability but in presenting image and daily events in mathematical ideas or symbols are incomplete, different during interview the students are able to explain the solving steps used, write answers using their own language, there are still errors in writing the algebraic form used but students can explain the algebraic form that should be used during the interview, and tend to be incomplete in using formulas to determine problem solving strategy.*

**Keywords:** *Mathematical Communication Ability; Sensing; Intuition.*