

ABSTRACT

Juju Nurfitri, “ *The Influence of Reciprocal Teaching Method Instruction On The Increase Of Mathematical Communication Ability Of Senior High School Students* ”.

The ability of mathematical communication of students is one of the ability that has to be developed during and after instructional process. This is because through the mathematical communication, students can organize mathematical thinking both orally and in writing. One of the efforts to develop the ability is through the Reciprocal Teaching instructional model. This study is about to know whether students' ability of mathematical communication is better when they are given Reciprocal Teaching method than the students' who are given conventional one. This study is also about to know the students' attitude towards Reciprocal Teaching method in mathematics instruction. This study is using experimental method. The population of this study is all students of grade X of Pasundan 2 senior High school. The samples taken in this study are X-5 and X-6. The indicators of students' mathematical communication ability are; 1) connecting real objects, pictures and diagrams with mathematics ideas. 2) explaining mathematics ideas, situations, and relations both orally and written form using real objects, pictures, graphs and algebras. 3) stating daily issues in mathematical logics and symbols. The instruments used in this study is test of students' ability in mathematical communication and questionnaire of students' attitude scales towards instruction using Reciprocal Teaching method. Based on data analysis, the result of study using SPSS version 23.0 for windows is that the students' ability of mathematical communication using Reciprocal Teaching method is better than the students who are given conventional one. The questionnaires given to the experiment group find the information that student's attitude towards Reciprocal Teaching method is positive. Therefore, the instruction using Reciprocal Teaching method can be used as one of the Reciprocal teaching method alternative in mathematics instruction.

Key words : *Reciprocal Teaching, mathematical communication*