

ABSTRACT

Imalia Dwi R. The Effect of Implementation of Reciprocal Teaching Learning Model toward The Increased Mathematical Logical Thinking Ability of Junior High School Students.

Mathematics is one of the basic subjects taught at every level of education. The ability of mathematical logical thinking is indispensable for students to understand mathematics and solve the problems. However, mathematical logical thinking ability of the students is still low. It is because teachers rarely involve students in the learning process. One alternative learning that can improve students' mathematical logical thinking ability is Reciprocal Teaching model. The method used in this study is experimental method. The population in this study is all VIII grade students at SMP Bina Dharma 2 Bandung in school year of 2015-2016. The research sample is VIII class at SMP Bina Dharma 2 Bandung as much as two classes chosen randomly by class. The instrument used in this study is a description type test of students' mathematical logical thinking ability and attitude scale using a Likert scale model. The attitude scale contains statements about learning mathematics, Reciprocal Teaching learning model and mathematical logical thinking ability. The tests are piloted first in VIII class that has obtained the flat side geometry. Based on the analysis of the results, all the test questions are viable for research use. Data analysis is performed using t-test through SPSS 18 for Windows program namely using the Independent Sample t-Test. Based on the analysis of research data, we conclude that: mathematical logical thinking ability of students who obtain Reciprocal Teaching learning model is better than those who obtain conventional learning model; students' positive attitudes toward the use of Reciprocal Teaching learning model in mathematics; there isn't a positive correlation between students' attitudes with students' mathematical logical thinking ability. Thus, Reciprocal Teaching learning model can be used as an alternative for teachers in implementing the learning to make the learning more active and fun as well as to train students' high level ability, one of which is mathematical logical thinking ability.

Keywords: Reciprocal Teaching Learning Model, Mathematical Logical Thinking Ability