

## ABSTRACT

### **DwiGustrisnasih (2017). Implementation of Co-operative Learning on Scramble Type to Improve the Ability of Reasoning and Mathematical Disposition in Junior High School Students.**

Math is more emphasis on reasoning, so the most important thing in learning mathematics is to teach students reasoning. If students have good reasoning, then students will be able to understand each material not just memorize the matter in the math lesson. In fact mathematics is a lesson that most students do not like in school. Students find mathematics difficult and unpleasant. Difficulties of learning mathematics problems solving make interest students in math learning tend to be low. The ability of mathematical reasoning is a cognitive ability that students need, because the ability of mathematical reasoning helps students in concluding and proving a statement, building new ideas, then mathematics problems solving. Therefore, the ability of mathematical reasoning should always be familiarized and developed in every mathematics study. Cooperative learning model on teaching mathematics can make students think actively, one of the cooperative model that can be used is Scramble type. The purpose of this research is 1) to find out whether the improvement of mathematical reasoning ability of students who learn using cooperative learning model type Scramble better than students who obtain conventional learning model; 2) to find out whether the mathematical disposition of students acquire cooperative learning mode using a Scramble type is better than students who acquire the conventional learning model. According to the method, this study is an experimental study. The population of the research is the junior high school students and the sample of the research is students from VII class SMP 2 Cimahi year of academic 2016/2017 as many as two classes chosen at random. Instruments in this research are test of reasoning ability and mathematical disposition. Based on the analysis of research data, obtained the conclusion, that is: 1) Improvement of mathematical reasoning ability of students who get cooperative learning model Scramble type better than students who get the conventional learning model; 2) The mathematical disposition of students who acquired the cooperative learning model of Scramble type is better than the students who obtained the conventional learning model.

**Keywords:** Mathematical reasoning abilities, Scramble Co-operative Learning Model, Mathematical Disposition, Conventional Learning Model.