

ABSTRACT

Reva Rahayu (2017). **Improving Mathematical Understanding and Disposition of Junior High School Students Using Active Learning Strategies Type Index Card Match.**

Mathematics as one part of the whole process of education in schools has an important role in improving students' math skills. In this case, the underlying problem of this research is the ability of understanding and mathematical disposition in students is still relatively low. Some studies also say that students have difficulty in remembering and understanding mathematical concepts. Until now there are still many students who say that mathematics is one of the lessons that are difficult and scary. Besides, the mathematical disposition should be planted and grown in the students, because seeing the role of mathematical disposition in learning mathematics is very important, because students who have high mathematical disposition will act and think positively to mathematics. So one of the alternatives to overcome these problems is to implement learning strategies that are considered effective in supporting learning. The purpose of this research is to know the improvement of mathematical understanding ability of junior high school students using Active Learning strategy of Index Card Match (ICM) type better than junior high school students who get conventional learning, and to know the mathematical disposition of junior high school students using learning strategy Active Learnig (Type Learn) index Card Match (ICM) type is better than junior high school students who are getting conventional learning. This research uses experimental method. The population in this study were students of SMP Pasundan 2 Cimahi academic year 2016/2017. The research sample is the students of class VII of SMP Pasundan 2 Cimahi selected randomly by class. It consists of two classes: experimental class and control class, experimental learning class with Active Learning strategy of Index Card Match (ICM) type while control class is learning with conventional learning. The instrument used in this research is a test of mathematical comprehension ability in the form of description, as well as the scale of mathematical disposition which has been tested by the instrument and the result is all significant. Data were analyzed using the IBM SPSS Statistic 23.0 for Windows program. From this research, it can be concluded that the improvement of students' mathematical understanding using Active Learning method of Index Card Match (ICM) is better than students who get conventional learning, and mathematical disposition of students using active learning type Index Card Match (ICM) is better than students who have received conventional learning.

Keywords: Index Card Match (ICM), understanding ability and mathematical disposition.