ABSTRACT

Adhitya Gilang Ramadan. (2018**). *Improvement of Mathematical Connection and Disposition of Junior High School Students with Connecting Learning Model, Organizing, Reflecting, Extending (CORE).***

The ability of mathematical connections and mathematical disposition of junior high school students is still relatively low. One of the learning models that can be used to improve mathematical connection ability and mathematical disposition of junior high school students is CORE model. The purpose of this research is to: (1) To know the improvement of mathematical connection ability of students who get CORE model is better than students who get the conventional model (2) To know the mathematical disposition of students who get CORE model is better than students who get the conventional model (3) To know the correlation between the ability of mathematical connection and Mathematical Disposition of students who received CORE learning and students who received conventional learning. This research uses experimental method with design "Pretest-Posttest Control Group". The population in this study is all students of class VII SMP 1 Pangalengan. The sample of this research is the students of class VII I as the experimental class and the students of class VII F as the control class. The instruments used are students' mathematical connection ability test and student mathematical disposition questionnaire. Processing and data analysis using two Independent Sample t-Test and Mann Whitney test with Microsoft Excel software and IBM SPSS Statistic 24.0 for Window software. The results showed that: (1) Improved mathematical connection ability of students using CORE model is higher than students using conventional model (2) Student mathematical disposition using CORE model is higher than students using conventional model, (3) No correlation between mathematical connection abilities and mathematical disposition of students acquiring CORE learning models. Thus CORE model can be used as an alternative for teachers in implementing learning in the classroom.

Keywords: Learning Model CORE Connecting, Organizing, Reflecting, Extending, Mathematical Connection, Mathematical Disposition.