ABSTRACT

Apandi, Yoga Khoirul**. (2018). Improvement of Mathematical Connection Ability and Mathematical Disposition of Senior High School Students through Learning Models *CORE (Connecting, Organizing, Reflecting, Dan Extending).***

This study is based on the fact that there is a problem of low connection ability and mathematical disposition of students, one of the learning models that can be used to improve ability mathematical connection and mathematical disposition is the model *CORE*. In accordance with the problems that have been formulated, the purpose of this study is (1) to know whether the improvement of mathematical connection ability of students who acquired *CORE* learning model is higher than that of students who have acquired conventional learning; (2) To know whether the mathematical disposition of students acquiring the CORE learning model is better than that of students acquiring conventional learning; (3) To know whether there is a correlation between mathematical disposition with mathematical connection ability of students using *CORE* learning model. The method used in this research is an experimental method with a pretest-postes control group research design. Subjects in this research are the students of grade XI in Nasional Bandung senior high school, while the object in this research is connection ability improvement and mathematical disposition of students on learning mathematics by using *CORE* learning model. Based on data analysis and research findings obtained, concluded that (1) the improvement of mathematical connection ability of students who acquired CORE learning model is higher than that of students who have acquired conventional learning; (2) the mathematical disposition of students acquiring the CORE learning model is better than that of students acquiring conventional learning; (3) there is no correlation between mathematical disposition ability with mathematical connection ability of students using *CORE* learning model.

Keyword : *CORE (Connecting, Organizing, Reflecting, Extending)*, Ability of Mathematical Connection, Mathematical Disposition