ABSTRACT

Nazhif, Naufal. (2018). **Enhancing Ability of Mathematical Connection and Mathematical Disposition Senior High School Students Through Learning Cycle 7E Model.**

One form of learning difficulties is that students find it difficult to connect the material taught by the teacher or in other words the students 'mathematical connection level is still low. Students' mathematical disposition should be planted and nurtured in the students, since the role of mathematical disposition in mathematics learning is very important. In accordance with the problems that have been formulated, the purpose of this study is (1) to determine whether the increased ability of mathematical connections of students who gain learning using the Learning Cycle 7E model is better than students who obtain conventional learning; (2) to find out whether the mathematical disposition of learners using the Learning Cycle 7E model is better than that of students receiving conventional learning; (3) to find out whether there is a correlation between mathematical connection ability and mathematical disposition of students who gain learning using Learning Cycle 7E model; The method used in this research is the quasi experimental method with the design of pretest postest control group. The population in this research is the students of SMA Pasundan 8 Bandung and the samples are two classes of XI IPS in SMA Pasundan 8 Bandung. Instruments used in this study is a test of mathematical connection ability and scale of mathematical disposition. Based on data analysis and research findings obtained can be concluded that (1) Improvement of mathematical connection ability of students who gain learning using Learning Cycle 7E learning model is better than students who get conventional learning; (2) Enhancement of mathematical disposition of learners using learning model Learning Cycle 7E is better than students who have received conventional learning; (3) There is correlation between mathematical connection ability and mathematical disposition of students who gain learning using Learning Cycle 7E model.

Keyword : Learning Cycle 7E, ability of mathematical connection, mathematical disposition