

ABSTRACT

Diah Ayu Mulyaningsih (2017). *Influence of Learning Model CORE (Connecting, Organizing, Reflecting, Extending) to Improving Ability of Mathematical Problem Solving and Self Esteem Junior High School Students in Bandung City.*

Education is all forms that affect the growth of individuals as learning in their lives, not least Indonesia. But in reality, the quality of education in Indonesia is still low from other countries. The low quality of this education can be due to less attractive learning model, impressed boring for students. So that students can not master the basic concepts contained in the material, and the lack of mastery of ability in solving problems given. One of the alternative learning that can improve problem solving ability of mathematic is CORE learning model (Connecting, Organizing, Reflecting, Extending). The objectives of this research are: (1) to know the difference of students' mathematical problem solving ability using CORE model (Connecting, Organizing, Reflecting, Extending) with students using conventional model; (2) Knowing the improvement of student self esteem by using CORE learning model (Connecting, Organizing, Reflecting, Extending). The population taken is all students of class VIII SMP Negeri 35 Bandung academic year 2016/2017. The sample of the research is students of SMP Negeri 35 Bandung as many as two classes chosen at random. Instruments used in the research in the form of a test description of the problem of mathematical problem solving and self esteem scale using Likert Scale. Self Esteem is a belief in a person, that he is able to solve problems faced. Data analysis is done by using T-Test. Based on the result of the research, it can be concluded that: (1) Improving students' mathematical problem solving ability using CORE learning model (Connecting, Organizing, Reflecting, Extending) is better than students using conventional learning model; (2) Self esteem students using learning using CORE learning model (Connecting, Organizing, Reflecting, Extending) are better than students using conventional learning model. Thus, the CORE learning model (Connecting, Organizing, Reflecting, Extending) can be an alternative for teachers in conducting an active, effective, and enjoyable learning process.

Keywords: *Mathematical Problem Solving, CORE (Connecting, Organizing, Reflecting, Extending), Self Esteem.*