

ABSTRACT

Frida Indah Sari Oktora (125050087). **The Effect of Use 7E Learning Cycle Model against Upgrades Mathematical Problem Solving Ability Junior High School Students.**

The mathematical problem solving ability is one capability that is important to have a student to understand the mathematics. But, in the fact the mathematical problem solving abilities of junior high school students is low. It then becomes the background of this reasearch. Therefore effort should be made to improve the capacity and one of the effort is by applying 7E Learning Cycle Model. 7E Learning Cycle model is a student-centered learning model. 7E Learning Cycle model has seven stages, namely elicit, engange, explore, explain, elaborate, evaluate, and extend. The purpose of this study was to know the effect of 7E Learning Cycle model to increase students' mathematical problem solving ability in mathematics as well as to know student's respon towards 7E Learning Cycle Model . The method used in this research is the experiment method. The population in this study were all students of SMP Negeri 36 Bandung class academic year 2015-2016. With a sample size of two classes, the control and the experimental class were selected class randomly. The instrument used a test of the mathematical problem solving ability (pretest and posttest) in the form of problem descriptions. The results showed that the increase in students' mathematical problem solving ability experimental class is better than the control class and the students responded positively to learning by using a 7E Learning Cycle Model.

Keywords: The mathematical problem solving ability, 7E Learning Cycle Model.