ABSTRACT

Della Hendalillah, **The Influence of *Reciprocal Teaching* Learning Model to Mathematical Problem Solving and *Self Regulated Learning* in MTs Student Mathematics Learning.**

Mathematics is a subject that is taught at every level of education in Indonesia ranging from elementary school (SD) to high school (SMA) even up to the level of Higher Education. Many studies have concluded that learning mathematics students tend to be more difficult than studying other subjects. Lots of causes of students have difficulty in learning mathematics one of them in terms of math problem solving skills and self-learning (*self regulated learning*). Therefore, mathematics as one of the disciplines given in schools, making the problem-solving ability as a capability that must be owned by every student. One alternative that can accommodate the ability of problem solving mathematics is a model of learning *Reciprocal Teaching* and learning efforts that students need in learning and understanding math is by learning based on *Self Regulated Learning*. The study aims to: (i) knowing whether the mathematical problem-solving ability of students using *Reciprocal Teaching* learning model is better than using the learning model using conventional learning model; (ii) find out if *Self regulated Learning* students using *Reciprocal Teaching* learning models are better than using conventional learning models. This research uses experimental method. The population of this study were students of MTs.Plus Darul Hufadz Jatinangor kab.Sumedang. The samples are students of class VII MTs.Plus Darul Hufadz Jatinangor kab.Sumedang selected randomly by class. Research instrument used in the form of test of problem solving ability of mathematic which have been tested by instrument and result are all significant problem, and *self regulated learning* questionnaire. The test used is the type of description test (*pretest and posttest*). Data analysis was performed using *SPSS 18.0 for windows* program. Based on data analysis, the conclusion is that students' mathematical problem solving ability using *Reciprocal Teaching* learning model is better than using conventional learning model, and *Self regulated Learning* students using *Reciprocal Teaching* learning model is better than using conventional learning model.

Keywords: *Reciprocal Teaching*, **Mathematical Problem Solving, Self Regulated Learning**