

ABSTRACT

Revaldie Septian, The Effect of Learning Model of Reciprocal Teaching Towards Students's Mathematical Conceptual Understanding SMK.

Mathematics is the subject in which contain facts, operation, the concept and principles. So to learn math needed a good mathematical conceptual understanding. But in fact the students's mathematical conceptual understanding is low, it is proven there are still many students who can not solve a math problem even the parts that no this belief that simple. One alternative learning that can upgrading understanding of mathematical concepts is learning model of Reciprocal Teaching. The purpose of this research is 1) to know whether the students's mathematical concept apprehension by applying the learning model of Reciprocal Teaching was better than the students understanding of mathematical concept by applying learning of Problem Based Learning; 2) to know the students' attitudes toward learning mathematics with learning model of Reciprocal Teaching; 3) to know the correlation between the mathematical conceptual understanding and attitudes. This research used experiment method. The population of this research was all students of grade 10th of SMK MVP ARS Internasional Bandung in academic year of 2015/2016. And the samples taken as many as two classes are were selected randomly according to class. The research instrument used is test type essay of the questions of the understanding mathematical concepts and attitude scale questionnaire. Data analysis was using normality test, homogeneity test, and t test. Based on result of data analysis, it can be concluded: 1) the students's mathematical concept apprehension by applying the learning model of Reciprocal Teaching was better than the students understanding of mathematical concept by applying Problem Based Learning; 2) students a positive attitude towards learning mathematics by using learning model of Reciprocal Teaching; 3) there is a correlation between the mathematical conceptual understanding to students attitudes toward learning mathematics using learning model of Reciprocal Teaching.

Key Words : Reciprocal Teaching, Problem Based Learning, Mathematical Conceptual Understanding