ABSTRACT

Melani Melawati. 2017. *Influence of Learning Model Mastery Learning With Quiz Team on Mathematical Problem Solving Abilities and Self-Regulated Learning High School Students.*

In mathematics, the ability to solve mathematical problems is one of the characteristics of learning mathematics that is needed in the face of an evolving era. However, the condition of learning in schools today still shows the low ability to solve mathematical problems of students. One of the alternative learning model is the learning model of Mastery Learning With Quiz Team. This study aims to determine the quality of students' mathematical problem solving abilities that obtained the learning model of Mastery Learning With Quiz Team and the students who obtained conventional, to know the Self-Regulated Learning of the students on the learning model of Mastery Learning With Quiz Team in mathematics learning . This study was an experimental study, with a pretest-postest control group design. The population of this study were students of class XI SMA Negeri 1 Batujajar academic year 2017/2018 with a sample of two randomly selected class XI IPA-1 students as experimental class and students of class XI IPA-2 as control class. Based on the results of the analysis and the results of the study, it can be concluded that the mathematical problem solving ability of students using the learning model of Mastery Learning With Quiz Team is better than using the conventional model, Self-Regulated Learning students using the learning model Mastery Learning With Quiz Team is better than using the conventional model. Thus the learning model of Mastery Learning With Quiz Team gives a positive influence on students' mathematical problem solving abilities.

Keywords : Learning Model Mastery Learning With Quiz Team, Mathematical Problem Solving Abilities, Learning Model Conventional, Self-Regulated Learning.