

ABSTRACT

Maqfiroh, E.S. (2019). *Increasing of problem solving ability and Self-Regulated Learning of Junior high school students using Treffinger model.*

This study aims to: (1) find out whether there is an increase in problem solving skills through Treffinger's learning model higher than conventional learning models; (2) find out whether Self-Regulated Learning through the Treffinger learning model is higher than conventional learning models; (3) knowing whether there is a correlation between problem solving ability and Self-Regulated Learning through Treffinger learning models and conventional learning models. The method used in this study is a quasi-experimental method with experimental research design control groups pretest-posttest. The population in this study were seventh grade students of 10 November Majalaya Junior high school year 2018/2019. For the study of two classes, one class of experimental classes with treatment Treffinger learning model and one class as control class with conventional learning treatment in this case the learning model ekspository. The research instrument used was in the form of a description of the test of the ability to evaluate mathematical problems and the scale of independence learning. Tests are tested in class VIII. Based on the results of the study, it was obtained: (1) there was an increase in problem solving skills through the Treffinger learning model higher than the conventional learning model. (2) Self-Regulated Learning through Treffinger's learning model is higher than conventional learning models. (3) there is a positive correlation between problem solving ability and Self-Regulated Learning through Treffinger learning models and conventional learning models.

Keywords: *Mathematical Problem Solving Ability, Self-Regulated Learning and Treffinger Learning Model*