ABSTRACT

Putra, Rivaldi (2018). **Enhancement understanding and self-awareness Mathematical High School Students Through REACT (Relating, Experiencing, Applying, Cooperating, Transferring) Learning Model.**

The purpose of this study are: (1)To determine whether the ability of students' mathematical understanding through the model REACT (Relating, Experiencing, Applying, Cooperating, Transferring) is better than through conventional learning models; (2) To determine whether the self-awareness of students who received teaching model REACT (Relating, Experiencing, Applying, Cooperating, Transferring) Better than students who received conventional learning; (3) To determine the learning strategies How REACT (Relating, Experiencing, Applying, Cooperating, Transferring) for the ability of mathematical understanding.The method used is an experimental method with research design used is group pretest-posttest.The population in this study were high school students Kartika XIX-1 Bandung and the sample is two class XI SMA Kartika Bandung XIX-1 randomly selected. Instruments used in this research is to test the ability of mathematical understanding and self-awareness questionnaire. Analysis of data using parametric test data through a pretest-posttest SPSS Statistics 20.0 software for Windows and formula Cohend's to look at effectiveness. Based on data analysis and the result of the research obtained, can be concluded that: (1) increase the mathematical understanding ability of students acquire REACT learning models higher than students who received conventional learning model; (2) self-awareness of students who received REACT learning model higher than students who received conventional learning model; (3) REACT learning effective for mathematical understanding ability with effectiveness in great categories.

Keywords: REACT Learning Model, Mathematical Understanding, Self-awareness, Conventional Learning Model.