ABSTRACT

Siti Widiastuti Pujiaswati (2017), The Efforts to Improve Mathematical Understanding and Self-Concept through Round Club Learning to Vocational High School Student.

curriculum mentioned that the subjects of mathematics aim to learners have the ability to understand the concepts of mathematics, explaining the interconnection between concepts and applying concepts or logarithms, flexibly, accurately, efficiently, and precisely in the solution problem. But in reality, we still encounter students with low mathematical understanding ability. The objective of this research are: (1) to find out whether the students' understanding ability that acquires Round Club learning model is better than conventional learning; (2) to find out whether Self-Concept students on learning mathematics using the Round Club learning model model is better than conventional learning; (3) to find out whether there is correlation between student self-concept with mathematical understanding ability. One of the alternative learning that can improve students mathematical understanding is by using Round Club learning model. Based on the method research is experimental research. The population in this study were students of SMK. The samples in this study were students of class XI SMK Pasundan 4 Bandung selected randomly by class. The instrument used in this study is the test and Self-Concept students. The test used is a test of mathematical comprehension problem, while Self-Concept uses Likert Scale model which contains students' questions about mathematics learning. Mathematical learning using the Round Club model and mathematical comprehension problems. The test is tested first from the results of the trial, obtained the results of medium and high validity, high categorical reliability, easy classified index, medium and difficult, and the distinguish enough and good. Based on the results of these trials, all questions are used for research. Data analysis is done by using t-test through SPSS 18.0 for Windows program by using Independent Sample t - Tes. Based on the analysis of research data, it can be concluded that: (1) The students' understanding ability that acquires Round Club learning model is better than conventional learning; (2) Self-Concept students on learning mathematics using the Round Club learning model is better than conventional learning; (3) there is no correlation between student self-concept with mathematical understanding ability.

Keywords: Mathematical Understanding, Round Club, Self-Concept