

ABSTRACT

WIDYA FAJAR MUSTIKA, Comparison of Critical Thinking Skills Mathematical Among Students Learning Using Learning Model of Search, Solve, Create, And Share (SSCS), Numbered Heads Together (NHT), and Conventional in SMP Negeri 92 Jakarta, Thesis. Jakarta: Mathematics Education, Faculty of Mathematics and Natural Sciences, State University of Jakarta, in 2016.

The purpose of this research was to compare the critical thinking skills among students learning mathematical by using model Search, Solve, Create, And Share (SSCS), Numbered Heads Together (NHT), and Conventional. This research was conducted at SMPN 92 Jakarta in class VII second semester of 2015/2016 academic year on the subject of parallelogram and rhombus.

The method used is quasi experiment (quasi-experiment). Sampling using Two-Stage Random Sampling. Research using final test results (Post-test Only). The research instrument used was the ultimate test of mathematical ability of critical thinking on the subject of parallelogram and rhombus many as four items description. Instrumen used has been through the test content validity, construct and empirical. Besides validity also performed the reliability test using Cronbach Alpha formula.

Based on research data calculations, the experimental class I (SSCS learning model), the experimental class II (NHT learning models), and grade control (conventional learning model) each come from normally distributed population. Then the homogeneity test showed that the three classes have the same variance. Hypothesis testing is done by using the average equality test with the same variance at significance level $\alpha = 0,05$. Calculations, the value of $F_{value} = 15,7688$ and $F_{table} = 3,0845768$ thus reject H_0 . This means that there are differences in the average results of tests critical thinking ability of students 'mathematical experiment class I, the average results of tests the ability of solving mathematical student experiment class II, and the average results of tests critical thinking ability of students' mathematical experiment class III on the subject parallelogram and rhombus. So do advanced test average similarity using Scheffe test to compare the average of the results of tests of mathematical ability to think critically third experiment class.

Keywords: Critical Thinking Ability Mathematically, SSCS Learning Model, NHT learning model, Conventional Learning Model, Scheffe Test.