

ABSTRACT

Diah Pertiwi (2016). *"The influence of using model of Student Facilitator and Explaining in learning mathematics to the ability to communicate mathematical at the students of junior high school"*.

Mathematics is science having a very important role in human life. To increase knowledge in mathematics, we need to the ability mathematical especially the ability to communicate mathematical. In this case, the ability to communicate mathematical to their students are low so one way there needs to be amendments to learning model used. This research aims to: 1) find out whether the mathematical communication skills of students who are learning skills using a model Student Facilitator and Explaining better than using conventional learning models, 2) find out how the attitude of the students towards the learning model Student Facilitator and Explaining, 3) find out whether there is a correlation between mathematical communication skills and attitudes of students who got a model Student Learning Facilitator and Explaining. This research using research quantitative (the experimental methods). The population in this research was a student class of 7th junior high schools 10 cimahi the academic year 2015 / 2016 with study sample is a student who takes for two classes; 7th E class as a class experimentation and 7th F as a class control in extract at random. Instrument used in research it will be a test the ability to communicate mathematical shaped about the discussion as many as six test, as well as scales attitude. The data were analyzed using the statistical of parametric test consists of a test of normality, its homogeneity test of two variances, and test the independent samples test. From the study, the results as follows: (1) the ability to communicate mathematical students who learning structure use the model Student Facilitator and Explaining better than use the model learning conventional, (2) students be positive to learning mathematics with use the model of Student Facilitator and Explaining, (3) no there is a correlation between the ability to communicate mathematical with the students who were eligible learning model Student Facilitator and Explaining.

Keywords: *The ability to communicate mathematical, model Student Facilitator and Explaining.*