

ABSTRACT

Ayu Pusparini Dewi. *Increase The Ability to Communicate Mathematical and Self-Confidence Junior School Students of Learning Model Conceptual Understanding Procedures (CUPs).*

Mathematical is one of subject basic taught in each level of education. The ability to communicate mathematical indispensable student in understanding mathematics. But the ability to communicate mathematical students is actually still low. It is caused by the learning of mathematics is still influenced by putting the teacher as the center of learning. One alternative learning that would improve the ability to communicate mathematical is learning model CUPs. This study aims to : 1) find out the improvement of mathematical communication ability of junior schools who gain CUPs learning higher than students who obtain conventional learning, 2) To know Self-Confidence of junior schools obtained model CUPs better than those who obtained conventional learning, 3) Describes the Effectiveness of the model CUPs on. According to the method is, this research experiment. The subject in this research was all a student of class VII junior school 7 Cimahi 2017/2018 the school year. The student object is student of class VII E as a class experiment and a class VII D as a class control junior school 7 Cimahi as much as 2 class that selected randomly according to class. An instrument used in the test type of the discussion the questions of ability to communicate mathematical and scale of their use the model Scale Likert. Scale attitude with statements about learning model CUPs and communicate mathematical test tried out first in class VIII G. Based on the analysis of the result of the tryouts. All about test worthy of to wear research. Data analysis was conducted using *ji-t* through the SPSS 17.0 for windows that is by using Independent Sample *t*-Test. Based on analysis of the data research, obtained conclusion : 1) Improvement of mathematical communication ability of students who gain learning by using CUPs better than students who get conventional learning, 2) Self-Confidence mathematical of student who acquired mathematics learning using CUPs is better than students that gain conventional learning, 3) The effectiveness of learning CUPs for strong communication skills. So that the learning model CUPs can be used as an alternative for teacher in carrying out their learning to create an atmosphere active and fun learning.

Keywords : Mathematical Communication, Learning Conceptual Understanding Procedures (CUPs)