

## **ABSTRACT**

**Faizal Muhamad Munandar. *Increase The Ability to Communicate Mathematical High School Students through The Application of Learning Model Conceptual Understanding Procedures (CUPs).***

*Mathematics is one of subjects basic taught in each level of education. The ability to communicate mathematical indispensable students in understanding matematika. matematika is one of subjects basic taught in each level of education. The ability to communicate mathematical indispensable students in understanding mathematics But the ability to communicate mathematical students is actually still low. This was due to because teachers rarely train the ability to communicate students at the time learning. One alternative learning that would improve the ability to communicate mathematical is learning model Conceptual Understanding Procedures (CUPs). According to the method is, this research is research experiment. The population in this research was all a student of class X high schools 18 Bandung 2015-2016 the school year. The study sample is a student of class X MIA 2 as a class experiment and a class X MIA 4 as a class control high schools 18 Bandung as much as 2 class that selected randomly according to class. An instrument used in the test type of the discussion the questions the ability to communicate mathematical and scale of their use the model Scale Likert. Scale attitude with statements about learning model Conceptual Understanding Procedures (CUPs), and communication mathematical. Test tried out first in class XI MIA 1. Based on the analysis of the results of the tryouts , all about test worthy of to wear research. Data analysis was conducted using uji-t through the SPSS 21.0 for Windows that is by using Independent Sample t-test. Based on analysis of the data research, obtained conclusion: the ability to communicate mathematical students who received learning model Conceptual Understanding Procedures (CUPs) is better than students who received learning model ordinary; students be positive on the use of learning model Conceptual Understanding Procedures (CUPs) in learning mathematics. So that learning model Conceptual Understanding Procedures (CUPs) can be used as an alternative for teachers in implementing learning to creating a learning active, effective and fun.*

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