

ABSTRACT

Guruh Nugraha. (125050004). *The Implementation of Learning Model of Discovery Learning within Math The Learning to Increase the Ability Students Vocational High School Mathematical Critical Thinking.*

Science growing in line with the technology expanding was found, needed to life skill to obtain manage and use the science to be used to necessary of life today and the is going the come. One of them is skill of mathematics. But in fact we are still find student who has the ability to think critical mathematics is low. One of alternatives learning that can improve the ability to think critically mathematically students used the learning model of Discovery Learning. This study attempts to: (1) to knowing have increased capacity to think critically mathematical students through the learning model of Discovery Learning better than conventional learning model. (2) to knowing how the students attitude to learning use of the math using Discovery Learning model. Based on the methods this research is experiment of research. The population of the research is all students in class XI all over Indonesia and this sample is students in class XI MM 1 and XI MM 2 at Vocational High School three Bandung. And instrument used in research is the result and scale of the study. From this research obtain edcondution : (1) the ability to think critically mathematically student who obtain lessons learned Discovery Learning better than Conventional obtain lesson learned. (2) Student be positive on the use of learning model Discovery Learning in learning mathematics. Advice provided is it is hoped that teacher creating a favorable and involves student in learning so the student able to expanding mathematical think critically. Learning with a model Discovery Learning very good used in learning, that can be used as an alternative in learning activities.

KeyWords: *Model of Discovery Learning, the ability to think critically mathematical.*