

# **MODEL GOOGLE CLASSROOM ASSISTED BLENDED LEARNING TO IMPROVING MATHEMATICAL CRITICAL THINKING ABILITY AND SELF-CONCEPT SMA STUDENTS**

By

**QOTRUNITHRA BILQIS ARIA**

**185050036**

## **ABSTRACT**

*The ability to think critically mathematically is very important because this ability is one of the abilities that students must have in 21st century learning. In addition, the current condition is the importance of self-concept because it has an impact on students' mental and learning outcomes. Blended learning is a model that supports 21st century learning and supports the current pandemic situation. The objectives of this study are: 1) To find out the improvement in mathematical critical thinking skills of students who received the Blended Learning -assisted Google Classroom was higher than students who received the ordinary learning model. ; 2) To determine the self-concept students who received the Blended Learning -assisted Google Classroom better than students who received the ordinary learning model; 3) To find out the positive correlation between critical thinking ability and self-concept of students who get it. The research method used is a true experimental design with a pre-test posttest control group. This research was conducted at SMA Negeri 16 Bandung with the research sample using 2 classes, namely X MIPA 1 as an experimental class using a blended learning assisted by Google Classroom and X MIPA 2 as a control class using an ordinary learning model. The instruments used in this research are in the form of descriptions and questionnaires that have been tested to be used as research instruments. The results of the analysis show as follows: 1) The increase in students' mathematical critical thinking skills who get the blended learning assisted by Google Classroom is higher than the ordinary learning model; 2)The self-concept of students who get the blended blended learning assisted by google classroom is better than the ordinary learning model; 3) There is a correlation between mathematical critical thinking skills and ' self-concepts students*

**Keywords** : Mathematical critical thinking ability, self-concept, blended learning, google classroom