

ABSTRACT

Anita Rahman Hakim (2022), “***Improving Mathematical Critical Thinking Ability and Mathematical Disposition of Junior High School Students Through Project Based Learning Model***”

Critical thinking in learning mathematics or mathematical critical thinking is very important in learning mathematics. One alternative learning that can improve students' mathematical critical thinking skills and Mathematical Disposition is Project Based Learning. The aims of this research are: 1) Knowing the improvement of mathematical critical thinking skills of students who get the Project Based Learning model is higher than students who get conventional learning. 2) Knowing the mathematical disposition of students who obtained the Project Based Learning model better than students who received the conventional learning model. 3) Knowing the correlation between mathematical critical thinking skills and mathematical disposition of junior high school students with the Project Based Learning model. The method used in this study is a quasi-experimental research design with nonequivalent control group design. The population of this research is the 8th grade of SMP Pelita Bandung. The sample of this study was randomly selected as many as two classes, namely class 8C as the experimental class and class 8A as the control class. The research instrument used consisted of a mathematical critical thinking ability test instrument made in the form of a description, and a Mathematical Disposition questionnaire instrument. Data analysis used parametric test on data through SPSS Statistics 25.0 for Windows software. From the results of data analysis of research results, the following conclusions were obtained: 1) Increased mathematical critical thinking skills of students who received Project Based Learning learning models were higher than students who received Conventional learning models 2) Mathematical disposition of students who received Project Based Learning learning models was better from students who get conventional learning models. 3) There is no correlation between mathematical critical thinking ability and mathematical disposition of students who get Project Based Learning learning model.

Keywords: *Mathematical Critical Thinking, Project Based Learning, Mathematical Disposition*