

## ABSTRACT

'Aisyah, Siti Nur (2018). *Improving the Ability of Creative Thinking Mathematically and Self Efficacy Junior High School Students Through Problem Posing Model with Open Ended Approach.*

*The ability of mathematical creative thinking is very necessary for the process of learning mathematics. However, in reality the development of mathematical creative thinking ability is less than optimal. Self Efficacy needs to be planted and developed in the students because seeing the role of Self Efficacy in learning math is very important. One of the alternative learning that can improve the ability to think creatively mathematically and Self Efficacy students is a model of learning Problem Posing with approach Open Ended. This study aims to: (1) Analyze the improvement of students' mathematical creative thinking ability with technique Problem Posing with approach Open-Ended and students who get learning with conventional learning technique. (2) Analyze the comparison of Self Efficacy students who gain learning using learning model Problem Posing with approach Open-Ended and students who get conventional learning. (3) Analyze correlation between the ability of mathematical creative thinking and Self Efficacy students who gain learning using learning Problem Posing with approach Open Ended. The method used in this research is the experimental method with the design of pretest-posttest control group. The population in this study is all students of class VIII SMP Negeri 1 Padalarang in the academic year 2017/2018. Samples were taken by two randomly selected classes, namely class VIIID as an experimental class and VIIIE class as control class. The instrument used in this research is the test of creative thinking ability of mathematics and scale Self Efficacy. Based on data analysis using IBM SPSS Statistics 20 and research findings obtained can be concluded that (1) Improving the ability of mathematical creative thinking who gain learning using Problem Posing with approach Open Ended is higher than students who obtain conventional learning. (2) Self Efficacy of students who learn Problem Posing with approach Open Ended is better than students who get conventional learning. (3) There is a correlation between the ability to think creatively mathematically and Self Efficacy students who acquired the model of learning Problem Posing with approach Open-Ended.*

**Keywords :** *Problem Posing, Open Ended, Ability of Creative Thinking Mathematically, Self Efficacy*