

ABSTRACT

Dini Qori'ah. (2021). Analysis of Mathematical Problem Solving Ability and Self-Efficacy through Problem Based Learning Model in Middle School Students.

Mathematical problem solving ability is a very important ability for students in solving a problem. Self-efficacy it is aslo necessary for students to be confident in their abilities. One of the learning models that can develop mathematical problem solving skills and self-efficacy is problem based learning model. This study aims to: (1) knowing the ability to solve mathematical problems through the problem based learning in middle school students. (2) knowing self-efficacy through the problem based learning model in middle school. (3) knowing mathematical problem solving skills and self-efficacy in middle school students. This research is a type of library research using a qualitative approach. The data analysis technique used is inductive, comparative and historical. The data used in this study comes from the results of research that has been carried out published in national and international online journals related to mathematical problem solving abilities, self-efficacy and problem based learning models. The results showed that: (1) students' mathematical problem solving skills are better when using problem based learning models and improvement of mathematical problem solving ability in junior high school students compared to senior high school students. (2) students' self-efficacy is better when using problem based learning models and self-efficacy through problem based learning models always increases both in junior high school and senior high school. (3) there is an influence of self-efficacy on mathematical problem solving abilities, there is a positive correlation between mathematical problem solving abilities and there are differences in mathematical problem solving abilities in students with high, medium and low self-efficacy.

Keywords: *Mathematical Problem Solving ability, Self-Efficacy, Problem Based Learning*