

ABSTRACT

Nurul Zahra Hamidah (2022). *Improving of Mathematical Problem Solving Ability and Mathematical Disposition of Junior High School Students through Problem Based Learning model assisted by Wizer.me*

Mathematical problem solving ability is very important, but in reality these ability is still far from expectation. Low mathematical problem solving is generally caused students are not accustomed to solving problems with problem solving steps because students are accustomed to being guided and directed by the teacher. In addition, the low ability to solve mathematical problems can be caused by a mathematical disposition. One of alternative that can improv mathematical problem solving ability and mathematical disposition of learning is through the problem based learning assisted by wizer.me. The purposes of this research are : 1) To find out the improvement of mathematical problem solving ability of students who use the problem based learning model assisted by Wizzer.me compared of students who use problem based learning model.; 2) To find out mathematical dispositon who use problem based learning model assisted by wizer.me compared of students who use problem based learning model.; 3) To find out the correlation between mathematical problem solving ability and mathematical disposition using the problem based learning model asstisted by wizer.me. The method used in this research is Quasi Experiment with Nonequivalent Control Group. The population of this research was class VIII junior high school of 63 Bandung, the sample was not chosen randomly so that it used an existing class. The instruments used in this research were mathematical problem solving test sheet and mathematical disposition questionnaire. The results of the final data analysis showed that: 1) improving of mathematical problem solving ability of students who use the problem based learning model assisted by wizer.me was higher than students who use problem based model.; 2) The mathematical disposition of students who uuse the problem based learning model assisted by wizer.me was better than mathematical disposition who use problem based learning model.; 3) There is a correlation between mathematical problem solving ability and mathematical disposition of students who use the problem based learning model assisted by wizer.me.

Keywords: Mathematical Problem Solving, Mathematical Disposition, Problem Based Learning assisted by Wizer.me.