

ABSTRACT

Ditha Aprillia Dahlan (2022). *Application of Problem Based Learning Model Assisted by Powtoon Media to Improve Mathematical Problem-Solving Ability and Mathematical Disposition of Junior High School Students.*

The purpose of this study is to determine: whether the improvement of the mathematical problem-solving ability of students who obtain Problem Based Learning models assisted by Powtoon media is higher than students who obtain ordinary learning models; whether the mathematical disposition of students who obtain Problem Based Learning model assisted by Powtoon media is better than students who obtain ordinary learning model; and whether there is a correlation between mathematical problem-solving ability and mathematical disposition of students who obtain Problem Based Learning model assisted by Powtoon media. The research method used is quantitative research with the type of quasi exsperimental desain. The subjects in this study were eighth-grade students of SMP Muhammadiyah Pangkalpinang with the object being the ability of mathematical problem-solving and the mathematical disposition of junior high school students. The instrument used is a mathematical problem-solving ability test with a form of description and questionnaire mathematical disposition scale. Based on the results of data analysis, it was concluded that: (1) The improvement of the mathematical problem-solving ability of students who obtained Problem Based Learning Model assisted by Powtoon media was higher than students who obtained ordinary learning model; (2) The Mathematical disposition of students who obtained Problem Based Learning model assisted by Powtoon media was better than students who obtained ordinary Learning model; (3) There was a correlation between mathematical problem-solving ability and mathematical disposition which obtained Problem Based Learning model assisted by Powtoon media.

Keywords: *Mathematical Disposition, Mathematical Problem-Solving Ability, Powtoon Media, Problem Based Learning Model*