

ABSTRACT

Helmina Regita. (2017). **Influence of Implementation of RME (Realistic Mathematics Education) Model to Improve Problem Solving Ability and Mathematical Disposition to Junior High School Students.**

RME (Realistic Mathematics Education) approach is a learning approach based on the idea that mathematics is a human and mathematical activity should be linked significantly to the constructions of everyday life. Problem solving ability is a capability to be achieved by students, ie students are expected to be able to understand problems, plan strategies and problem solving procedures, perform problem-solving procedures, and check the truth of answers and results obtained. The RME (Realistic Mathematics Education) approach can give students the opportunity to acquire the knowledge or experience of finding, discussing and collaborating, arguing. The RME (Realistic Mathematics Education) approach puts students at the center of the learning process. This study aims to (1) identify students' mathematical problem solving abilities (2) to know the attitude of mathematical disposition of students who have learned RME (Realistic Mathematics Education) approaches with students who have received conventional learning. The research method used is experimental method. Population in this research is student of class VIII SMP Pasundan 2 Bandung. The sample in this research is class VIII-D RME (Realistic Mathematics Education) and class VIII-C (conventional) Instrument used in this research is test Problem Solving Ability and questionnaire scale Mathematical Disposition of student. The test used is a subjective type of test (description). How to analyze data is with IBM SPSS Statistics 24.0 for Windows. The result of this research is the mathematical problem solving ability of students who get the learning of RME (Realistic Mathematics Education) approach better than students who get conventional learning. Mathematical Disposition Attitudes of students who acquire RME (Realistic Mathematics Education) lessons are better than students who are learning conventional approaches.

Keywords: RME (Realistic Mathematics Education), Problem Solving Ability, Mathematical Disposition.