

ABSTRACT

Erma Nurmawati. (2017). "Application of Group to Group Exchange (GGE) Learning Model to Improve Problem Solving Ability and Mathematical Disposition of Junior High School Students "

Mathematics is one of the main subjects taught in every level of education. In Education Unit Level Curriculum mentioned that problem-solving ability is an important part of learning. But in reality we still encounter students whose ability to solve mathematical problems is low, this may be something to do with the learning used by teachers. One of the learning alternatives that can improve students' mathematical problem solving abilities is the Group to Group Exchange (GGE) learning model. According to the method, this study is an experimental study. The population in this study are students of class VII of SMP Pasundan 4 Bandung academic year 2016-2017. The research sample is the students of class VII of SMP Pasundan 4 Bandung as much as two classes are selected randomly according to class. The instrument used in the research is a type of test description of problem solving abilities and mathematical disposition using Likert Scale model. The mathematical disposition contains statements about self-confidence, flexibility, perseverance in tasks, meeting power in tasks, tends to monitor and reflect performance, assess mathematical applications of other situations, and mathematical values as tools and languages. The test is first tested in class VIII. Based on the analysis of test results, all test questions are feasible for research use. Data analysis was done by using t-test through SPSS 22.0 for Windows program by using Independent Sample t-Tes. Based on the analysis of the research data, it can be concluded: Improved mathematical problem solving ability of junior high school students who get Group to Group Exchange (GGE) learning model is better than junior high school students who get the learning model of Discovery Learning and improvement of mathematical disposition of junior high school students who get the model of learning group to Group Exchange (GGE) is better than junior high school students who get the learning model of Discovery Learning. Therefore, Group to Group Exchange (GGE) learning model can be used as an alternative for teachers in carrying out learning to improve problem solving ability of mathematic and create positive attitude in learning mathematics.

Keywords: Problem Solving and Mathematical Disposition, Group to Group Exchange (GGE) Learning.