

ABSTRACT

Ela Sri Mulyani,"The Influence of Creative Problem Solving Learning Models Aided by Microsoft Mathematics Toward Mathematical Reasoning Ability and Math Anxiety of Class XI MAN 1 Bandung".

The ability of reasoning in mathematics is the ability in the largest portion. The process of learning mathematics is basically not just the transfer of ideas from teachers to students, but is a process in which the teacher gives the opportunity for students to see and think of the ideas given. Creative Problem Solving learning model is learning where students are in groups to discuss a problem and express their ideas to other groups. The purposes of this research are: 1) Improvement of mathematical reasoning ability of students who get learning with Creativity Problem Solving approach with Microsoft Mathematic better than students who get learning by way of teaching; 2) Anxiety of students who acquired learning with Creative Problem Solving approach with Microsoft Mathematic is lower than students who gain expository learning in learning mathematics; and 3) There is a correlation between Mathematical Reasoning and Mathematical Anxiety. This research is using experimental method. The population in this study is the students of class XI MAN 1 Bandung, while the sample used is two classes of data analysis selected at random. The instruments used in this research are mathematical reasoning test, and mathematical anxiety scale questionnaire. The results of this study are as follows: 1) Improvement of mathematical reasoning ability of students who get Creative Problem Solving learning with Microsoft Mathematics assisted better than students who get learning by way of expository teaching; 2) Anxiety of students who acquired learning with Creative Problem Solving approach with Microsoft Mathematics assisted lower than students who gain expository learning in learning mathematics; and 3) There is a correlation between Mathematical Reasoning and Mathematical Anxiety.

Keywords: Creative Problem Solving, Mathematical Reasoning Ability, Mathematical Anxiety, Microsoft Mathematics.