

ABSTRACT

Ulfa Nurfalih : Improvement of Mathematical Creative Thinking Skill and Self-esteem of Junior High School Students through Model Learning Missouri Mathematics Project (MMP)

The low mathematical value of one of the causes is the low ability of mathematical creative thinking for their students. Lack of creative thinking of mathematics to the students can be caused by learning activities that have no effect, poor learning model so that the learning objectives are not sufficient. Therefore, the learning model should be introduced appropriately so that the learning activities will be effective and the ability to think creatively math students increases. One of the alternative learning that is expected to improve students' creative thinking ability is the mathematics model of MMP learning. The methodology is a research experiment. The population of this study were students of SMP Pasundan 3 Bandung and VII students of SMP Pasundan 3 Bandung were chosen randomly by class. The instruments in this study are test and attitude scale. Tried the first test. From the questioning trials and not all the good categories, the unqualified questions are rectified and the research instruments worthy. Analysis of the results of research data on IBM SPSS Statistic 22 for Windows. Based on data analysis, it can be concluded that: (1) students' mathematical creative thinking ability to learn to apply MMP learning model is better than students applying the expository learning model. (2) Self-esteem of mathematics students using MMP learning model is higher than students using expository learning. (3) There is no correlation between mathematical creative thinking and student self-esteem.

Keyword: The ability to think creatively mathematically, self-esteem, Missouri Mathematics Project