

ABSTRACT

Prayudi, W.S. (2019). *Improving Mathematical Creative Thinking Ability and Self-Confidence of High School Students Through Think, Talk, Write (TTW) with Mind Mapping Learning Strategies.*

Mathematical creative thinking ability is very important in running life and all the problems that exist in it in a way acquire, manage, and use information. To achieve mathematical creative thinking ability, requires the strong character one of which is self-confidence. However in reality mathematical creative thinking ability and self-confidence of students in Indonesia is still low. One alternative learning to improve mathematical creative thinking ability and self-confidence is the Think, Talk, Write (TTW) with Mind Mapping learning strategy. This learning strategy was developed on the involvement of students from the thought process after reading, then the discussions and share ideas with their peers later quoted in the text or a summary in accordance with his creativity. The purpose of this study are: 1) To find out the increase in mathematical creative thinking abilities of students who obtain TTW strategies with Mind Mapping is higher than students who obtain conventional learning models; 2) To find out the achievement of self-confidence of students who obtain TTW strategies with Mind Mapping is better than students who obtain conventional learning models; 3) To find out whether there is a positive correlation between mathematical creative thinking abilities and self-confidence of students who obtain TTW strategy with Mind Mapping. The method used in this study is a quasi-experimental method with a pretest-posttest control group experimental design. The population of this study was tenth grade students of High School No. 15 Bandung. The sampling technique was purposive sampling, using two classes, namely the control class and the experimental class. The research instrument used was a mathematical creative thinking ability test instrument and a non-test instrument in the form of a self-confidence questionnaire. Data analysis using SPSS Statistics 23 for Windows software. Based on the results of data analysis, the following conclusions are obtained: 1) The increase in mathematical creative thinking abilities of students who obtain TTW strategies with Mind Mapping is higher than students who obtain conventional learning models; 2) Self-confidence of students who obtain TTW strategies with Mind Mapping is better than with students who obtain conventional learning models; 3) There is a positive correlation between mathematical creative thinking ability and students' self-confidence who obtained the TTW strategy with Mind Mapping.

Keywords: *Mathematical Creative Thinking Ability, Self-Confidence and Think, Talk, Write Strategies, Mind Mapping*