

ABSTRACT

Willy Hardiansyah Agustian (2017). Application of Learning Model Treffinger to Enhance Creative Thinking Mathematical Ability and Self-Regulated Learning Junior High School Students.

Improving the quality of human resources characterized by the formation of a creative man. The ability to think creatively getting considerable attention in the field of education. One of the efforts being made to improve the ability to think creatively is through the study of mathematics. But in reality, mathematical creative thinking ability of students is still low. This is because the development of creative thinking in teaching in schools has not been implemented optimally. In a math class taught by stuffing more students to memorize formulas to memorize as many complex calculations and tedious that the perception that mathematics is identical with numerology. One model of learning that deal directly creativity is Treffinger learning model. This model involves two spheres are kongnitif and affective, and consists of three important stages: stage development function diverges, with emphasis on openness to new ideas and possibilities stages of development thinking and feeling more complex with an emphasis on the use of ideas in complex situations with tensions and conflicts, as well as involvement in the development stage real challenge with an emphasis on the use of the processes of thinking and feeling creatively to solve problems freely and independently. The purpose of this study were 1) to know whether an increase in creative thinking abilities of students who received Treffinger mathematics learning model is better than students who received conventional learning; 2) to know whether the Self-Regulated Learning mathematics students who obtain Treffinger learning model is better than students who received conventional learning model. According to the method, this research is an experimental research. The study population is students and junior research samples were students of class VII 2 Cimahi 2016/2017 school year as much as two randomly chosen class. Instruments in this research is test the ability of creative thinking and self-regulated learning. Based on the analysis of research data, the conclusion, namely: 1) Improving the ability of creative thinking of students who received Treffinger mathematics learning model is better than students who received conventional learning; 2) Self-Regulated Learning mathematics students who obtain Treffinger learning model is better than students who received conventional learning models.

Keywords: Ability Creative Thinking Mathematically, Learning Model *Treffinger*, *Self-Regulated Learning*, Conventional Learning Model.