

## ABSTRACT

### **MELA KRISTINA. IMPROVING MATHEMATICAL CREATIVE THINKING AND SELF-REGULATED LEARNING SKILLS OF JUNIOR HIGH SCHOOL STUDENTS THROUGH OSBORN LEARNING MODEL**

*Developing creative thinking skills especially in mathematics learning is very important. As stated by the Ministry of National Education that developing creative activities that involve imagination, intuition, and discovery by developing divergent thinking, originality, curiosity, making predictions and predictions, and experimenting is one of the goals of mathematics learning. But in fact we still find students with low mathematical creative thinking abilities , this may have something to do with the learning model used by the teacher. One alternative learning model that can improve students' mathematical creative thinking skills is Osborn's learning model . This study aims to: 1) analyze whether the increase in mathematical creative thinking ability of students who learn to use the Osborn model learning is better than students who learn to use ordinary learning, 2) analyze whether self-regulated learning students who obtain Osborn model learning are better than students who obtained ordinary learning , 3) analyzed whether there was a positive correlation between mathematical creative abilities and self-regulated thinking learning . Based on the method, this research is a quasi-experimental research. The population in this study were students SMP. The sample in this study was the seventh grade students of SMP Negeri 3 Parongpong who were chosen without random classes. The instruments used in this study are tests and attitude scale. The test used is a test type description of the problems of mathematical creative thinking ability . The test was tested first, based on the results of the trial, all questions were suitable for research. Data analysis was performed using the t-test through the SPSS 22.0 for Windows program using Independent Sample t-Test. Based on data analysis and research results, it was concluded that: 1) mathematical creative thinking abilities of students who obtained learning with the Osborn model were better than students who obtained mathematics learning with ordinary learning , 2) Self-regulated learning students who obtained the Osborn learning model were better than students who received conventional learning .*

**Keywords:** *Mathematical Creative Thinking, Osborn Learning Model and Self-Regulated Learning .*