

ABSTRACT

Tiara Kusuma Hidayat (2018). **Improvement of Mathematical Creative Thinking Ability and Self-Regulated Learning of Junior High School Students Through Project Based Learning Model.**

Project Based Learning is a learning model that emphasizes students to be productive or creating media in the learning process. In the learning process, students participate actively in complex and innovative activities. Project Based Learning model require students to think creatively because it can make students play an active role in learning so that it can also increase student Self-Regulated Learning. The purpose of this research is to find students' improvement of mathematical creative thinking ability whom acquired Project Based Learning model and whom acquired conventional learning, to find students' Self-Regulated Learning whom acquired Project Based Learning model and whom acquired conventional learning, to recognize the correlation between Mathematical creative thinking ability and Self-Regulated Learning for students' who get Project Based Learning model. Method used is experimental research with design control group pretest posttest. The population is all of first grade of Kadungora Junior High School in Garut. The sample is two class of first grade of Kadungora Junior High School. Instruments that used in this research is essays of mathematical creative thinking ability and questionare of student Self-Regulated Learning in Likert Scale model. Data analysis using program assistance *SPSS 20.0 for window.s* The results obtained are; 1) The improvement of mathematical creative thinking ability of students whom acquired Project Based Learning model is higher than students whom acquired conventional learning. 2) Students' Self-Regulated Learning which acquire Project Based Learning is better than students whom acquired conventional learning. 3) There is a correlation between mathematical creative thinking ability and Self-Regulated Learning of students whom acquired Project Based Learning model.

Keywords : Mathematical creative thinking, Self-Regulated Learning, Project Based Learning.