

ABSTRACT

Thesis under the title "The Influence of Cooperative Learning Model-type Group Investigation on Creativity and Mathematics Learning Outcomes of Seventh Grade Students at MTsN Aryojeding Rejotangan Tulungagung" is written by Luthfaturrohman, NIM.3214113101 advised by Dr. Nurkholis, M.Pd.

Keywords: Cooperative Learning Model-type Group Investigation, Creativity and Mathematics Learning Outcomes.

Thesis that discuss the influence of cooperative learning model-type group investigation on creativity and learning outcomes is triggered by the view of the common students that mathematics is difficult lesson and the students' mastery in the mathematics lesson is still low. Yet mathematics has important role in our daily life. The success of Mathematics teaching and learning process can not be separated from the preparation both of students and teachers. The teachers should be able to motivate his/her students to learn mathematics. In this study, the researcher uses a model of cooperative learning model-type group investigation. This learning model requires the students to be able to plan the topics to be discussed and train the students' self-confidence to explain the results of group discussions in front of the class.

The purpose of this study were (1) To determine the influence of cooperative learning model-type group investigation on students' creativity, (2) To determine the influence of cooperative learning model-type group investigation on the mathematics learning outcomes, (3) To determine the influence of cooperative learning model-type group investigation on creativity and mathematics learning outcomes of students.

The design of this study is a quantitative approach with experimental research. The population of this study are all seventh grade students at MTsN Aryojeding Rejotangan Tulungagung academic year 2014/2015. In this study, the researcher uses cluster random sampling as the sampling technique. So, the sample of this study is two classes that are seventh I and J. Posttest are used by the researcher as the method of collecting data, in which it is used to know the student's learning outcomes and creativity in solving problem.

The results of this research were. (1) there was the influence of using cooperative learning model-type group investigation on students' creativity, the results that is obtained from the significant value more than 0.05, the significance value was 0.646 (2) There was the influence of using cooperative learning model-type group investigation on learning outcomes, the results obtained from $t_{hitung} > t_{tabel}$ with 5% significance level was $3.537 > 1.988$. With an average difference in the experimental class and control class. The average of Experimental class was 76.03 and the average of control class was 58.52. (3) There was the influence of cooperative learning model group investigation on

students' creativity and mathematics learning outcomes, the results was obtained from the significant value less than 0.05