The Difference of Students' Mathematical Communication Ability by Using Cooperative Learning Model Type Teams Games Tournament and Student Teams Achievement Division in Seventh Grader SMP Negeri 2 Porsea Academic Year 2014/2015

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ABSTRACT

The aim of this research is to know whether student's mathematical communication ability in writing using cooperative learning model TGT type is higher than cooperative learning model STAD type. The research method is quasi experiment. The population is all students at class VII SMP Negeri 2 Porsea with two sample classes which taking by cluster random sampling and consist of 23 students for each classes.

This research using posttest only. The data collected from posttest was analyzed using descriptive statistic analysis and show all of data are normal distribution and homogeneous.

There are eight questions in posttest that has valid. The result of the research shows that the means score are 22.89 in experiment class I and 20.11 in experiment class II. The posttest score descriptively show the students' mathematical communication ability by using cooperative learning model type TGT higher than cooperative learning model type STAD. Indicate in hypothesis using posttest data obtained that $t_{calculated} > t_{table} = 2.272 > 1.680$ with $\alpha = 0.05$, so H_a is accepted. The mathematics teacher of SMP Negeri 2 Porsea suggested can use cooperative learning model type TGT as learning model alternative in improving students' mathematical communication.