DIFFRENCES LEARNING OUTCOMES MODEL COOPERATIF STUDY MATH USING STUDENT TEAM ACHIEVEMENT DIVISION (STAD) AND MODEL COOPERATIVE STUDY GROUP INVESTIGATION (GI) IN CLASS X SMK PGRI 2 SALATIGA ACADEMIC YEAR 2012/2013

Karnawati

Prodi Pendidikan Matematika, Universitas Kristen Satya Wacana

ABSTRACT

This study aims to determine the differences in learning outcomes using a mathematical model of cooperative Student Team Achievement Division (STAD) and model of cooperative Group Investigation (GI). This Study is an experimental study, the research subjects were student of class X school year 2012/2013 of the two classes are in SMK PGRI 2 Salatiga. The control group in this study were students of XC SMK PGRI 2 Salatiga whose students are 32, which was treated with the model of cooperatif learning type STAD. Experimental group were students of XD SMK PGRI 2 Salatiga which totaled 31 students, who were treated with the model of cooperatif learning type GI. Ability to know the end of both groups were given the posttest. T-tests is used to determine the significance of difference in mathematics achievement between the control group and the experimental group. The results showed no differences in significant mathematics learning outcomes among students who are taught using the STAD cooperative models with students who are taught using the model cooperative type GI. Students are taught using model cooperative type STAD gained an average of 58.75, while the students are taught using the cooperative model type GI gained an average of 68.54. Learning outcomes in students who were taught using the model cooperative model type GI is better than the students who are using model cooperatif type STAD.

Keywords: math leraning outcomes, cooperative model Student Team Achievement Division (STAD) and the cooperatif model type Group Investigation (GI).