THE EFFECT OF COOPERATIVE LEARNING MODEL TYPE TEAMS GAMES TOURNAMENT (TGT) ON STUDENT ACHIEVEMENT ON HEAT AND TEMPERATURE TOPIC IN CLASS X SMA N 1 BERASTAGI AT ACADEMIC YEAR 2012/2013

RITA SITUMORANG (409322027)

ABSTRACT

The purpose of this research are : 1) To know the activities level of student as long the process of learning by using Cooperative Learning Model type TGT and Direct Instruction Model on Temperature and Heat Topic in Class X RSBI SMA N 1 Berastagi Academic Year 2012/2013. 2) To know student Achievement by using Cooperative Learning Model type TGT and Direct Instruction Model on Temperature and Heat Topic in Class X RSBI SMA N 1 Berastagi Academic Year 2012/2013. 3) To know the effect of Cooperative Learning Model type TGT in student achievement on Temperature and Heat Topic in Class X RSBI SMA N 1 Berastagi Academic Year 2012/2013. The type of research is experimental research. The population is all students of class X SMA N 1 Berastagi Academic Year 2012/2013, consist of 9 classes. Two classes selected by cluster random sampling. One class as experiment class and another class as control class. Experiment class using Cooperative Learning Model type Teams Games Tournament (TGT) and control class using Direct Instruction Model. The instrument in this research is multiple choices and observation sheet, multiple choices with 5 obtains and had 20 questions was valid and observation sheet to measure the activity of students. The test like multiple choices given in pre-test and post-test, and the observation sheet used in every meeting in twice of classes. To test the hypothesis using test t, but previously must tested the normality and homogeneity of the data. The result of research get the level of student's activity in experiment class is good criteria with the developed are the first meeting 79.70, the second meeting is 80.59, and the third meeting is 80.60 and in control class is less category with the developed are the first meeting 62.05, the second 63.47 and the last is 67.64 . From this research get the average of pre-test in experiment class is 39.37 and in control class is 40.00. After had the treatment in every class, so the average of post-test in class with treatment Cooperative Learning Model type Teams Games Tournament (TGT) is 80.78 while in class with Direct Instruction treatment get 68.90. In hypothesis test get $t_{calculate} > t_{table}$ is $5.18 > 1.99$ in significant value $\alpha = 0,05$ and $dk = 62$. It mean of Ha accept is have the effect of Cooperative Learning Model type Teams Games Tournament (TGT) on Student Achievement on Heat and Temperature Topic in Class X SMA N 1 Berastagi at Academic Year 2012/ 2013.

Key Word : Cooperative Learning Model type Teams Games Tournament (TGT), Student Achievement, activity.