

**THE EFFECT OF JIGSAW COOPERATIVE LEARNING MODEL ON
STUDENTS LEARNING ACTIVITY AND LEARNING OUTCOME
IN ORGANIZATION OF LIFE TOPIC FOR GRADE VII SMP
NEGERI 1 TEBING TINGGI ACADEMIC YEAR 2013/2014**

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ABSTRACT

The objectives of this research are to find out: (1) the effect of Jigsaw Cooperative Learning Model on students' activity, (2) the effect of Jigsaw Cooperative Learning Model on students' learning outcome, in organization of life topic. A quasi experimental research with pretest and posttest control group design was used in this research. The population of this research was all of grade VII students of SMP Negeri 1 Tebing Tinggi. There were 2 classes chosen as the sample by applying cluster random sampling technique. Experimental class was taught by Jigsaw Cooperative Learning Model while control class was taught by direct instruction model. The instruments used to obtain the data were observation sheet as non-test instrument and cognitive test in form of multiple choices as test instrument. The observation results showed that students' activity in both research classes is significantly different. The students in experiment class were more active than students in control class by the average percentage of 67.87% and 19.60% respectively. It means that Jigsaw Cooperative Learning Model gave an effect to students' activity. The test instrument data were analyzed by using t-test. The result of hypothesis test for the pre test showed that $t_{\text{count}} = 0.062 < t_{\text{table}} = 1.672$ at the level significance of 0.05, means H_0 is accepted and H_a is rejected. It means that there is no significant different between pretest score in experiment class with control class. For post test showed that $t_{\text{count}} = 5.9 > t_{\text{table}} = 1.72$ at the level significance of 0.05, means that H_a was accepted and H_0 was rejected. It can be concluded that there is an effect of Jigsaw Cooperative Learning Model on students' learning outcome. Learning outcome of students that taught with Jigsaw Cooperative Learning Model showed better results than students that taught with direct instruction model. On the whole, Jigsaw Cooperative Learning Model gave good effect to students' activity and learning outcome in organization of life topic for grade VII SMP 1 Tebing Tinggi academic year 2013/2014.

Keywords: Jigsaw Cooperative Learning Model, students' activity, learning outcome.