

**THE EFFECT OF STAD MODEL COMBINED WITH STUDENT'S  
PAPER WORK *WORD SQUARE* ON STUDENT LEARNING  
ACHIEVEMENT FOR HUMAN REPRODUCTIVE  
SYSTEM TOPIC IN GRADE XI IPA STUDENTS  
OF SMA N 1 TEBING TINGGI ACADEMIC  
YEAR 2012/2013**

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**ABSTRACT**

The objectives of this study were to find out: (1) The different of STAD model combined with Paper Word Square and STAD model only for students learning achievement, (2) The effect of STAD model to increase learning achievement. A quasi experimental research with free test and post test control group design was used in this study. The population of this study was all of grade XI IPA students of SMA Negeri 1 Tebingtinggi. There were 2 classes chosen as the sample by applying cluster random sampling technique. Experimental class was taught by STAD model Combined with Paper Word Square while control class was taught by STAD model only. The instruments used to obtain the data were cognitive test in form of multiple choices as test instrument. The test instrument data were analyzed by using t-test and average scores of both result are compared ( 86.2 and 83.2). combined varians from both post test 12.91. By using the average scores and combined varians from both treatments. The result of hypothesis test for the post test showed that  $t_{count} = 2.13 > t_{table} = 1.99$  at the level significance of 0.05, means that  $H_a$  was accepted and  $H_0$  was rejected. There is a significant differences of Students learning achievement between both groups. Learning achievement of students that taught with STAD model Combined with Paper Word Square showed better results than students that taught with STAD model only. STAD model contributes to change the process of teaching and learning. It can prove from both Student Learning Achievement that increase. Where the first data observation in both class is lower than both treatments. It leads to the student's centered orientation activity that has proved to be better than the teacher's centered orientation. Student's personal difficulty to study can be solved when they are working in a team. It can be done by having discussion during the study activities. On the topic Reproductive System topic for grade XI IPA SMAN 1 Tebingtinggi academic year 2012/2013.

**Keywords:** STAD model, Word Square, learning Achievement, Students activity