

**THE DIFFERENCES OF STUDENT'S LEARNING OUTCOMES AND  
STUDENT'S CHARACTER THROUGH IMPLEMENTATION OF  
COOPERATIVE LEARNING MODEL IN  
SALT HYDROLYSIS TOPIC**

**Evi Riana Simanjuntak (4123131029)**

**Abstract**

The objective of this research is to know the difference of student's learning outcomes and student's character by implementing cooperative learning model types STAD (Student Team Achievement Division), NHT (Number Head Together) and TPS (Think Pair Share). This research was conducted in three different school in grade XI, in SMA Negeri 1 Tebing Tinggi, SMA Negeri 1 Berastagi and SMA Negeri 1 Sidikalang where each school consist of three experimental classes, the first experimental class taught by cooperative learning model STAD, second experimental class taught by cooperative learning model NHT and third experimental class taught by cooperative learning model TPS. The research instrument in this research are 20 multiple choice questions from 40 questions that have validated. Before hypothesis test, the data of research had been analyzed by using normality test and homogeneity test, which is shown that learning outcomes are normal distributed and homogenous. For the first school based on hypothesis test using F-Test ( $\alpha = 0.05$ ), the sig value is **3.949**, second school, the sig value is **9.699** and third school the sig value is **4.674**. . It show for verbal hypothesis that  $F_{table} (3.11) < F_{count} (3.949)$  means the  $H_0$  is rejected and  $H_a$  is accepted. So, it shown that there is differences in in student's learning outcomes that taught by cooperative learning model types STAD, NHT and TPS. The student's character consist of discipline, teamwork, mutual respect and responsibility. The differences of student's character analyzed by the average score student's character in observation sheet. By the result in , there's difference in student's character taught by cooperative learning model STAD, NHT and TPS in salt hydrolysis topic where  $STAD > TPS > NHT$ .

*Keyword: Cooperative Learning Model, Student Team Achievement Division (STAD), Number Head Together (NHT), Think Pair Share (TPS), Student's Learning Outcomes, Character*