

**THE IMPLEMENTATION OF PROBLEM BASED LEARNING MODEL
INTEGRATED WITH STAD (STUDENT TEAM ACHIEVEMENT
DIVISION) TO IMPROVE STUDENT'S ACHIEVEMENT AND
TEAMWORK ON SOLUBILITY AND SOLUBILITY
PRODUCT SUBJECT MATTER IN SENIOR HIGH
SCHOOL GRADE XI ACADEMIC YEAR 2015/2016**

MELIANA PERMATA SARI (4123332011)

ABSTRACT

The objectives of this research are (1) to investigate whether the student's achievement that taught by PBL model integrated with STAD is significant higher than taught by STAD (2) to investigate whether the student's teamwork character that taught by PBL model integrated with STAD significant higher than taught by STAD (3) to investigate the significant correlation between student's teamwork character with student's achievement (4) to describe the average percentage of student's achievement that developed by applying PBL model integrated with STAD compared with STAD (5) to describe the average percentage of student's teamwork character that developed by applying PBL model integrated with STAD compared with STAD. Sample was chosen by purposive sampling and taken 2 classes in SMA Panca Budi Medan, one class as experiment class and the other is as a control class. The research instrument that was used in this research consist of test instrument (evaluation test) and non test instrument (observation sheet). The research instrument in this research are 20 multiple choice questions from 40 questions that had been validated by validator and students. Research result show that the average of posttest in experiment class is 88.50 ± 4.46 with gain 0.78 (high) and the average of posttest in control class is 80.13 ± 4.71 with gain 0.69 (medium). The data of research had been analyzed by using normality test and homogeneity test, which is shown that data gain are normal distributed and homogeneous. The hypothesis testing was tested by using Independent Sample T-test with One Tailed T-test and for correlation was tested by using regression with liner in SPSS-17 for windows. The research result are (1) the student's achievement that taught by PBL model integrated with STAD is significant higher than the student's achievement that taught by STAD (Sig = 0.013) (2) student's teamwork character that taught by PBL model integrated with STAD is significant higher than the student's achievement that taught by STAD (Sig = 0.041) (3) there is significant correlation between student's teamwork character with student's achievement (Sig F Change for both class = 0.00) (4) the average percentage of student's achievement in experiment class is 78% and in control class is 69% (5) the average percentage of student's teamwork in experiment class is 61,01% and in control class is 58.32%.

Keyword : PBL integrated with STAD, STAD, Student's Achievement, Teamwork