

**THE INFLUENCE OF DISCOVERY LEARNING MODEL USING
POWER POINT MEDIA TOWARD STUDENTS' LEARNING
OUTCOME ON SALT HYDROLYSIS TOPIC**

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ABSTRACT

The problem of this research is the low learning outcomes of chemistry in XI grade in SMAN 1 Tebing Tinggi. This research aimed is to find out the influence of discovery learning model using power point media toward students' learning outcome in grade XI on salt hydrolysis topic in SMA Negeri 1 Tebing Tinggi. The research was conducted in senior high school student grade XI in SMAN 1 Tebing Tinggi. The population of this research is all students of SMAN 1 Tebing Tinggi grade XI at academic year 2017/2018. Amount of student in grade XI are 306 students consist of 9 classes and sample was taken by purposive sampling. The first class as experimental class taught by discovery learning using power point media and second class as control class use direct instruction. The data collection technique used to measure learning outcomes in form of multiple choices test of 20 questions. Technique of data analysis that used is normalized gain, normality test, homogeneity test and hypothesis test. The result of data analysis obtained by the average value of the pretest and posttest learning model of discovery using power point media is 25.00 and 77.83 with a standard deviation is 7.31 and 8.27 and value of pretest and posttest using direct instruction is 22.83 and 53.50 with standard deviation is 8.27 and 9.016. The research hypothesis were tested by t-test (one tail) the value of t_{count} is 11.53 and t_{table} 1.67 at significant level 95 % and α 0.05, it means $t_{count} > t_{table}$ ($11.53 > 1.67$) so the hypothesis is accepted. It can be concluded that there is significant influence in student's learning outcome taught by Discovery Learning Model using Power Point Media with student's learning outcome taught by direct instruction on salt hydrolysis topic in XI grade.

Keywords: Discovery Learning, Power point media, Direct Instruction, learning outcome

