

**The Differences of Student's Learning Achievement Taught Somatic,  
Auditory, Visual, And Intellectual (SAVI) Learning Model and  
Direct Instruction (DI) Learning Model on Set Topics in VII  
Grade at SMP Negeri 1 Binjai Academic Year 2014/2015**

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**ABSTRACT**

This research is experiment. The purpose of this research was to know the differences of students' learning achievement between SAVI class and Direct Instructional class in mathematical learning process on sets topic at SMP Negeri 1 Binjai. The population of this research was all VII grade students of SMP Negeri 1 Binjai which consists of 9 classes, whereas the sample consist of 2 classes, they are VII-4 as experimental class consists of 30 students and VII-5 as control class consists of 30 students. Experimental class used SAVI, whereas control class used direct instruction learning model. Collecting data technique of this research was pre-test that given in the end of learning process in experimental class and control class. The type of this test is essay test. Before doing the test, it must be reliable where 0.91253 for pre-test and 0.90269 for post-test. Before doing hypothesis test, it would be done normality test and homogeneity test beforehand. From the result of those tests, sample was taken from normal distribution and homogeneous population. From the data analysis of experimental class by using t-test with significance level  $\alpha = 0.05$ , it was obtained that  $t_{\text{calculated}} (8.372) > t_{\text{table}} (1.671)$  then  $H_0$  is rejected and  $H_a$  is accepted. So, it can be concluded that, there is the difference of students' learning achievement from SAVI class between Direct Instruction class and the improvement of students' learning achievement in SAVI class is better than students' learning achievement in Direct Instruction class. On other words, SAVI learning model can improve the students' learning achievement in grade VII on the set topics at SMP N 1 Binjai academic years 2014/2015.