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**COMPARISON OF
ACTIVITIES AND STUDENT ACHIEVEMENT LEARNING TAUGHT BY
COOPERATIVE LEARNING MODEL NHT TYPE AND STAD
ON SUBJECT MATTER OF VIRUS IN CLASS 1 X SMA NEGERI 1
BANDAR KALIPAH IN SERDANG BEDAGAI DISTRICT
ACADEMIC YEAR 2012/2013**

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ABSTRACT

This study aims to determine the ratio of the activity and students achievement taught by cooperative learning model of type *STAD* with *NHT* on subject matter of virus in class X SMA Negeri 1 Bandar kalipah in Serdang Bedagai District A. Y. 2012/2013. Population in the study were all class X SMA Negeri 1 Bandar Kalipah while the sample is taken by two classes, that is class X-1 and class X-1 taken at random in which the X-1 class taught by *STAD* while X-2 class taught by *NHT* . This type of research is a quasi experimental study. Instruments used in the study were objective test 25 questions of 40 questions that have tested its validity.

There are two kinds of research data in the form of qualitative data (student activities) and quantitative data (learning achievement). For activities data are presented as a percentage of the activities individually and in the classical style that is for a class taught by *STAD* has activities by 74% while the class is taught by the *NHT* at 81%. For learning achievement data beginning with the test for normality and homogeneity. With the data that has been normally distributed and homogeneous then performed statistical tests with the t test at significant level $\alpha = 0.05$. The average learning achievement of *NHT* class is 80.11 while *STAD* class is 75.47.

Improved student achievement *NHT* class grade 41.90 units while *STAD* grade 36.00 units. Thus, differences in learning avhievement increased by second class grade 5.90 units. From the results of t test ($\alpha 1-1/2$) obtained $t_{count} > T_{table}$ ($2.12 > 2.00$) which means that H_0 is rejected at the same time receive H_a which means there are comparisons of student learning outcomes are being taught by cooperative learning model of type *STAD* and *NHT* on subject matter of virus in class X SMA Negri 1 Bandar Kalipah in Serdang Bedagai District A. Y. 2012/2013.

Key words : *STAD, NHT, activities, learning achievement*