THE COMPARISON OF STUDENTS' MATHEMATICS PROBLEM SOLVING ABILITY BETWEEN COOPERATIVE LEARNING MODEL OF TAI AND NHT FOR GRADE VII IN SMP NEGERI 1 PANGKALAN SUSU

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ABSTRACT

The aim of this research is to know whether student's Mathematics Problem Solving Ability taught by using Cooperative Learning model TAI type is higher than Cooperative Learning model NHT type for Grade VII in SMP Negeri 1 Pangkalan Susu. The population is all students of grade VII in SMP Negeri 1 Pangkalan Susu Academic Year. 2016/2017. Sampling Techniques that is used in this research is random sampling. There are two samples in this research namely, Class A is VII 4 taught by cooperative learning model TAI and Class B is VII 7 taught by cooperative learning model NHT. Each of class consist of 30 students. Technique of analyzing data is consisted of normality, homogeneity, and hypothesis test. Based on normality and homogeneity test, the data was taken from normal distribution and homogeneous population. . Hypothesis test is done by using analysis of T-test. The result of T-test show that $t_{calculated} = 3.792$ and $t_{(0.5)(58)} = 1.672$. Consequently $t_{calculated} > t_{table}$, then H_0 is rejected. So, we can conclude that students' mathematics problem solving ability taught by using cooperative learning model TAI type is higher than cooperative learning model NHT type.

Keyword : *problem solving, cooperative learning, TAI, NHT*