

THE DIFFERENCES OF STUDENTS MATHEMATICAL SPATIAL ABILITY  
 TAUGHT COOPERATIVE LEARNING *NUMBERED HEADS TOGETHER*  
 (NHT) AND *STUDENT TEAMS ACHIEVEMENT DIVISION* (STAD)  
 TYPES AT SMP NEGERI 3 KISARAN ACADEMIC YEAR  
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ABSTRACT

The aim of this research is to know whether student's mathematical spatial ability by cooperative learning *number heads together* types is better than student's mathematical spatial ability by *student team achievement divisions* types for Grade VIII in SMP Negeri 3 Kisaran. The population is all students of grade VIII in SMP Negeri 3 Kisaran A.Y. 2017/2018. Sampling techniques that is used in this research is random sampling. There are two samples in this research namely, Experimental class A is VIII/3 taught by cooperative learning NHT and Experimental class B is VIII/5 taught by cooperative learning STAD. This research using posttest where, data of posttest are normal distribution and homogeneous. After doing treatment in experiment class A and B obtained average score of posttest are 77,42 and 69,84. Hypothesis testing that have been conducted in this research is by calculating manually and results of hypothesis test of data from both experimental class in posttest was found that  $t_{calculated}(2.55) > t_{table}(1.67)$ . It indicates that  $H_0$  is rejected. So, we can conclude that Students' mathematical spatial ability taught by using cooperative learning NHT type is better than cooperative learning STAD type.

Keyword: mathematical spatial ability, *numbered heads together* (NHT), *student team achievement divisions* (STAD).

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