

**IMPROVING STUDENT'S MATHEMATICAL PROBLEM SOLVING  
ABILITY BY USING COOPERATIVE LEARNING MODEL  
TYPE *NUMBERED HEADS TOGETHER* AT  
SMA NEGERI 1 PERBAUNGAN**

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**ABSTRACT**

The objectives of this research were: (1) To know whether Cooperative Learning model type Numbered Heads Together (NHT) can improve students' mathematical problem solving; (2) To know the effectiveness of Cooperative Learning model type Numbered Heads Together (NHT) to improve students' mathematical problem solving ability at SMA Negeri 1 Perbaungan. Type of the research was Classroom Action Research (CAR). The subjects were students of grade XI MIA-1 that consist of 34 students. The object was students' mathematical problem solving ability.

The research was conducted in 2 cycles. Every cycle consisted of 2 meetings. Students' mathematical problem solving ability test was given at the end of each cycle. The finding of this study were: (1) Mathematical problem solving ability of students in the first cycle have average class score was 2.72 at the scale 1-4, from 34 students only 21 students have achieved mastery level, and categorized moderate ability (2) Mathematical problem solving ability of students in the second cycle have average class score 3.15 at scale 1-4, and 31 students have achieved mastery level and categorized high ability. From the results it can be concluded that the implementation of the Cooperative Learning model type Numbered Heads Together (NHT) can improve the students' mathematical problem solving ability.

***Keywords: Numbered Heads Together model, Mathematical Problem Solving Ability***

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