

**THE IMPLEMENTATION OF THINK-PAIR-SHARE MODEL TO IMPROVE  
STUDENTS' MATHEMATICAL REPRESENTATION ABILITY  
FOR GRADE X IN SMA NEGERI 5 MEDAN**

**Is Wibowo (4123312011)**

**ABSTRACT**

The purpose of this research was to know whether think pair share (TPS) model could improve students' mathematical representation ability for grade X in SMA Negeri 5 Medan. The type of this research was Classroom Action Research.

The subject of this research was students in class X-1 which consisted of 44 students. The object was students' mathematical representation ability on statistics topic for grade X in SMA Negeri 5 Medan Academic Year 2016/2017.

This study consisted of two cycles. Each cycle had two meetings. Students' mathematical representation ability was tested in the end of the end cycle. Instrument used to collect data in this research were test and observation.

After giving a treatment to students, in the first cycle, the average score of their mathematical representation ability was 2.31. there are 23 of 44 students (52.27%) obtained score  $\geq 2.66$  (B-). The average score of teacher's activities in observation sheet was 2.59, which classified as good category. The average score of students' activities in observation sheet was 2.40, which classified as good category. In the second cycle, the average score of mathematical representation ability was increased became 3.09 with 38 students (86.36%) obtained score  $\geq 2.66$ . The average score of teacher's activities in observation sheet was 3.46, which classified as very good category. The average score of students' activities in observation sheet was 3.31, which classified as very good category.

From the result of research, it can be concluded that the implementation of think pair share (TPS) model can improve students' mathematical representation ability. The suggestion that given for teacher is to be able to implement think pair share (TPS) model as an alternative in learning process that can improve students' mathematical representation ability.