

**THE INCREASING OF STUDENTS' MATHEMATICAL COMMUNICATION  
ABILITY BY USING THINK-TALK-WRITE (TTW) MODEL  
IN QUADRILATERAL OF GRADE VII AT  
SMP NEGERI 1 ONAN GANJANG**

**Sartika Tampubolon (4103312024)**

**ABSTRACT**

The purpose of this research were (1) to find out how the think-talk-write (TTW) learning model can improve the students' mathematical communication ability, (2) to determine whether students' mathematical communication ability increased after following the think-talk-write (TTW) learning model, (3) to describe students' activities toward mathematics learning using think-talk-write (TTW) learning model, (4) to determine students' response toward mathematics learning using think-talk-write (TTW) learning model.

The type of his research was belongs to Classroom Action Research (CAR), which is implemented in SMP Negeri 1 Onan Ganjang. The subjects in this research were students of class VII-B in 2014/2015 that have total of 25 students. The object of this resarch were the students' mathematical communiation ability and think-talk-write (TTW) learning model.

This research consisted of 2 cycles and from the first cycle consists of 2 meetings and the second cycle consists of 2 meetings. Students' mathematical communication ability test conducted at the end of each cycle. The results of this study can be seen: (1) The results of tests of mathematical communication ability of students in the first cycle known average value of 1.63, complete 6 people, 19 incomplete, 24% classical completeness and mathematical communication ability of students categorized very low. (2) The results of tests of mathematical communication ability of students in the second cycle known average value of 3.12, complete 23 persons, 2 persons incomplete, classical completeness 92% and mathematical communication ability of students are middle categorized. (3) Learning by using think-talk-write (TTW) learning model can make students' activity were active categorized in learning, and (4) Learning by using think-talk-write (TTW) learning model can provide a positive response to the students in the learning process.

From the results of this research can be concluded that the implementation of the think-talk-write (TTW) learning model can improve the students' mathematical communication ability.