

**THE DIFFERENCE OF STUDENTS' MATHEMATICAL COMMUNICATION  
ABILITY TAUGHT BY *COOPERATIVE LEARNING TALKING STICK*  
AND *COOPERATIVE SCRIPT* TYPES AT SMP NEGERI 3 KISARAN**

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**Abstract**

One of the learning models that predicted were able to overcome the low level of mathematical communication ability is a cooperative learning, that is, teachers act as mentors and facilitators in achieving learning objective. As for the goal to be achieved from this research are as follows: (1) To know any difference in student's mathematical communication ability taught by cooperative learning talking stick type and cooperative script type in learning quadrilateral at SMP. (2) To see varieties of student's answer type taught by cooperative learning talking stick type and cooperative script type in topic quadrilateral at SMP.

This research uses posttest experimental class design. The sample of this research is student of class VII-2 as experimental class I and class VII-4 as experimental class II at SMP Negeri 3 Kisaran that is amounted both 30 students. Instrument that used is observation and test sheet that uses T-test of data analysis technique. Data that get from the posttest by using t-test of data analysis technique is Sig. 0.000 and the  $\alpha$  is 0.05. It shows that the Sig. value is less than  $\alpha$  that is  $.000 < 0.05$ . According o the result can be conclude that there is the difference in students' mathematical communication ability taught by cooperative learning talking stick and cooperative learning cooperative-script types.