

**THE EFFECT OF JIGSAW TYPE OF COOPERATIVE LEARNING MODEL
ON MATHEMATICAL COMMUNICATION ABILITY FROM STUDENTS'
SELF-ESTEEM IN SMP NEGERI 6 KOTA BEKASI**

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ABSTRACT

This research aims to determine the effect of the Jigsaw cooperative learning model on mathematical communication ability and the interaction between learning models and self-esteem on mathematical communication ability. The research method used a quasi-experimental design with a post-test only control group design. The sampling technique used is simple random sampling and cluster random sampling. The sample in this research were students of class VIII.G and VIII.I SMP Negeri 6 Kota Bekasi. The results of hypothesis testing with Two-Way ANOVA using $\alpha = 0,05$, it can be conclude that (1) The average mathematical communication ability of the experimental class students is higher than the control class (2) There is no interaction between the learning model and students' self-esteem on students' mathematical communication ability (3) For students with high self-esteem groups, the average the average mathematical communication ability of the experimental class students is lower than the control class (4) For students with low self-esteem groups, the average the average mathematical communication ability of the experimental class students is lower than the control class.

Keywords: *jigsaw cooperative learning model, self-esteem in mathematics learning, mathematical communication ability*