

ABSTRACT

Putri Angelika Br Nababan, IDN 4203111098 (2020). The Effect Applying Realistic Mathematics Education On Students' Reasoning Skills In The Math Subject of Series and Sequence In Grade XI at SMAN 8 Medan.

This research aims to know whether the Jigsaw Cooperative Learning model affects students' mathematical communication skills and to know how effective is the Jigsaw-type cooperative learning model on students' mathematical communication skills. The design of this research is quasi-experimental. The sample of this research is students in class IX-E and students in class IX-F. The results of this research are: (1) The Jigsaw Cooperative Learning Model has a positive effect on students' mathematical communication skills. This can be seen from the significance value for the two-tailed test is observed as $0.031 < 0.05$. Then, H_0 is rejected and H_a is accepted. (2) The effectiveness of the Jigsaw Cooperative Learning Model is taken from the N-Gain result, which is 0.16. It can be concluded that the effectiveness of the jigsaw cooperative learning model on students' mathematical communication skills is in the moderate category.

Keywords: Reasoning Skills, Realistic Mathematic Learning Approach.