

ABSTRACT

Nurfitri Fatimah. (2017). The Influence of Realistic Mathematics Learning Improves Mathematical Communication Skills and Self-Confidence of Junior High School Students.

The ability of mathematical communication and confidence of junior high school students is still relatively low. One of the learning models that can be used to improve the ability of mathematical communication and self-confidence of junior high school is a model of learning Realistic Math. The purpose of this study is to: 1) Improve the ability of mathematical communication and self-confidence of junior high school students to Realistic mathematics learning; 2) To know whether the influence of Realistic mathematics learning tends to increase the ability of mathematical communication and self-confidence of Lebi Junior High School well from the students who get conventional learning. This research uses research method. The research design used was the pretest-postes group design. The population in this research is class VIII SMPNegeri 6 North Cikarang. The sample of this research is the students of class VIII-5 as the experimental class and the students of class VIII-6 as the control class. The instrument used is the test of mathematical communication ability and self-confidence questionnaire. Processing and data analysis using two Independent Sample t Test and Mann Whitney test with Microsoft Exel software and SPSS 16.00 for windows software. The results of research show: 1) Improvement of students' mathematical communication ability using learning model Realistic mathematics is better than students using conventional model; 2) Self-confident students who use learning models Realistic math is better than self-confident students who use conventional models. Thus the learning model of Realistic Mathematics can be an alternative for teachers in the implementation of learning in the classroom.

Keywords: *Mathematical Communication Ability, Mathematical Realistic.*