ABSTRACT

Sugesti, S. (2019). **improvement of Mathematical communication and *Self-Confidence* by using the Model of Learning *Realistic Mathematic Education* (RME) in Junior High School Students.**

This research aims to: (1) Knowing the improvement of the mathematical communication ability of students who get a model of Realistic mathematic education (RME) better than students who get the usual learning model; (2) Knowing the achievement self confidence of students who get a model of Realistic mathematic education (RME) better than students who get the usual learning model; (3) Determine the value effectiveness of the learning model Realistic Mathematic Education (RME) in mathematical communication abilities. The methods used was a quasi-experiment, with a pretest-posttest control group design. The research subject was the grade VII students of Junior High School Nusantara Bandung.The research object were mathematical communication ability and self confidence. For the sample of research, 2 classes had been selected, namely, Class VII A as the experiment class that received a realistic mathematic education model, and Class VII C as the control class that received the usual learning model. The research instrument used was mathematical communication ability test and scale of self-confidence. The data collected were processed by using a *IBM SPSS 20.0 for windows* software. The research result revealed that: (1) The improvement of student' mathematical communication ability using Realistic mathematic education (RME) better than student who use the usual learning model; (2) Achievement self confidence students using Realistic mathematic education (RME) better than students who use the usual learning model; and (3) The effectiveness of RME learning model for students' mathematical communication skill gained 1,44 which is included in the large category.

Keywords : Mathematical Communication Ability, Self Confidence , and Realistic mathematic education (RME) model.