ABSTRACT

Noni Emilia (2018). **Peningkatan Kemampuan Representasi Matematis dan *Self-Confidence* Melalui Model Pembelajaran *Student Facilitator And Explaining* Pada Siswa SMP**

The aim of this study is to find out the increase of the ability of mathematical representations and self-confidence between students who obtained the learning model student facilitator and explaining and students who get regular learning. The method in this learning is quasi experiment. The research design used was the pretest-posttest group design. The sample in this study were class students VIII B as an experimental class and VIII A class students as the control class which is randomly selected population is all class students VIII the result showed that: i) Improvement of students mathematical representation abilities who get the learning model student facilitator and explaining was higher than students who received ordinary learning; ii) Achievement of students mathematical representation abilities who get the learning model student facilitator and explaining and ordinary learning has significant differences; iii) Improvement of students self-confidence abilities who get the learning model student facilitator and explaining was higher than students who received ordinary learning.

Keywords: Student facilitator and explaining, mathematical representation, self-confidence.