

ABSTRACT

Azka Vinannisa. (2018). Applying the RME (Realistic Mathematics Education) Approach To Improve Mathematical Critical Thinking Skills and Self Efficacy SMK Students.

Critical thinking is an activity that is very important to be developed in school, teachers are expected to realize the learning that activates and develops critical thinking skills in students. The low mathematics of *self efficacy* causes students to avoid the tasks associated with mathematics because there is no belief that they have the ability in the field. The purpose of this research is to: 1) To know the improvement of critical thinking ability of mathematical students who get the learning approach of RME (*Realistic Mathematics Education*) compared with students who get the conventional learning model. 2) To know the self efficacy of students who get the learning approach RME (*Realistic Mathematics Education*) compared with students who get the conventional learning model. 3) To find out the correlation between mathematical critical thinking and student self efficacy. The method used in this research is experimental research method. Technique of data collecting through result of pretes and postes in experiment and control class. Processing and data analysis using *Shapiro-Wilk* test and *Independent Sample T-Test* with *SPSS 20.0 for windows software*. The results showed that: 1) Improvement of mathematical critical thinking ability of students who gain RME learning (*Realistic Mathematics Education*) is higher than students who get the conventional learning model 2) Student self efficacy ability that get learning approach RME (*Realistic Mathematics Education*) more better than students who are getting conventional learning. 3) There is no correlation between mathematical critical thinking ability and *self efficacy* of students who gain learning approach RME (*Realistic Mathematics Education*). Thus the learning approach RME (*Realistic Mathematics Education*) can be used as an alternative for teachers in implementing learning in the classroom.

Keywords: RME Learning Approach, Mathematical Critical Thinking Skill, *Self Efficacy*.