

ABSTRACT

APPLICATION OF PROBLEM-BASED LEARNING MODELS ASSISTED BY LEARNING VIDEOS IN IMPROVING MATHEMATICAL REFLECTIVE THINKING SKILLS AND SELF-EFFICACY OF HIGH SCHOOL STUDENTS

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The purpose of this study is to apply the Problem Based Learning model assisted by learning videos in improving the mathematical reflective thinking ability and Self-efficacy of high school students, so that it can be seen whether there is an increase and positive correlation to mathematical reflective thinking ability and Self-efficacy of students who obtain the Problem Based Learning model assisted by learning videos. The research method used by Quasi Experimental Design with the research design is Nonequivalen Control Group Design. The research instruments used are tests of mathematical reflective thinking ability and Self-efficacy questionnaires. Based on the results of research that has been carried out, including (1) The mathematical reflective thinking ability of students who obtain learning the Problem Based Learning model assisted by video learning has a higher increase than students who obtain conventional learning; (2) The self-efficacy of students who obtained the Problem Based Learning model assisted by video learning was better than that of students who obtained conventional learning; (3) Students who obtained the Problem Based Learning model assisted by learning videos have a correlation to mathematical reflective thinking ability and Self-efficacy.

Keywords: mathematical reflective thinking ability, Self-efficacy, Problem Based Learning model assisted by learning videos.