ABSTRACT

RISTI RINDIANI. *Improving Mathematical Problem Solving Ability and Self-Efficacy of Junior High School Student through the CORE Learning Model assisted by Google Classroom.*

The use of inappropriate learning models can cause ineffective learning activities so that it is not uncommon for students to have low abilities, one of which is mathematical problem solving abilities. Therefore, there is a need for an update in the use of learning models and media in schools so that learning activities become more effective and optimal. One alternative learning model that can be used is the CORE (Connecting, Organizing, Reflecting, and Extenting) learning model assisted by Google Classroom. Mathematical problem solving ability can also be mastered well if it is supported by affective abilities, one of which is self-efficacy. The purpose of this study was to determine whether the increase in mathematical problem solving abilities of students who received the CORE learning model assisted by Google Classroom was higher than students who received the conventional learning model; whether the self-efficacy abilities of students who received the CORE learning model assisted by Google Classroom were better than students who received the conventional learning model; Is there a correlation between mathematical problem solving ability and self-efficacy of students who get the CORE learning model assisted by Google Classroom. The research method used is a quasi-experimental research design with a pretest-posttest control group design. The subjects of this study were seventh grade students of SMPN 3 Lembang. Based on the results of data analysis, it was concluded that: 1) The mathematical problem solving ability of students who received the CORE learning model assisted by Google Classroom was higher than students who received the conventional learning model; 2) The self-efficacy abilities of students who receive the CORE learning model assisted by Google Classroom are not better than students who receive the conventional learning model; 3) There is no significant correlation between mathematical problem solving ability and self-efficacy of students who get the CORE learning model assisted by Google Classroom.

Keyword: *Problem Solving Ability, Self Efficacy, and CORE learning model assisted by Google Classroom.*