ABSTRACT

Jayanti Purwati. ***Analysis of Mathematical Problem-Solving Ability and Self-Confidence of Middle School Students through Problem Based Learning Model***

This study aims 1) to analyze the mathematical problem-solving ability of middle school students through problem based learning model, 2) to analyze the self-confidence of middle school students through problem based learning model and 3) to analyze the relationship between self-confidence and mathematical problem-solving ability of students in middle school. Students' mathematical problem-solving ability and self-confidence are still classified into the low category. NCTM (National Council of Teachers of Mathematics) states that the mathematical thinking process in mathematics includes five main basic competencies, namely problem-solving ability, reasoning ability, connection ability, and representation ability. Mathematical problem-solving ability is the ability possessed by students to solve a problem in learning mathematics, the Ministry of National Education gives that students have the ability to : problem-solving which include the ability to understand problems, create mathematical models, complete models and provide solutions obtained. The 2013 revised 2018 curriculum emphasizes that every learning in the school aims to improve problem-solving abilities (Regulation of the Minister of Education and Culture of the Republic of Indonesia Number 36 of 2018). then self-confidence is an attitude of confidence that every student must have to achieve learning success. So, not only the cognitive aspect that is owned by every student, the affective aspect must also be owned by every student. This research is library research. The data analysis used in this research is inductive, historical, and comparative by reviewing the relevant literature and data collection techniques used in this research are editing, organizing and finding. The results of this study were obtained from various relevant literature show that the PBL model can improve students' mathematical problem-solving abilities and self-confidence, but not all of them have increased and some have not.

Keywords: Mathematical Problem-Solving Ability, Self-Confidence, Problem Based learning