

ABSTRACT

Imaduddin Syahbani. (2020). *Analysis of Mathematical Problem Solving Ability through Learning Model Problem-Based Instruction (PBI)*.

One of the good learning models for improving students' mathematical problem-solving abilities in the learning process in the classroom is the learning model problem-based instruction (PBI). Therefore, it is of interest to conduct research by analyzing mathematical problem solving abilities through the learning model problem-based instruction (PBI). This research aims to: 1) Describe the concept of mathematical problem-solving abilities, 2) Describe the learning model problem-based instruction (PBI), 3) Describe mathematical problem-solving abilities using the learning model problem-based instruction (PBI). The method used in this research is a qualitative method, with the type of research, namely: library research or literature study. The data used in this study are primary data and secondary data, and data analysis used by researchers is deductive, inductive, historical. Based on the research literature found, namely: 1) Deepening the concept of mathematical problem-solving abilities from several studies studied, 2) Deepening the learning model problem-based instruction (PBI) from several studies studied, 3) Learning model Problem-based instruction (PBI) in improving mathematical problem solving abilities, based on the results of four studies, it is stated that the increase in mathematical problem solving abilities through the PBI model is very significant. So it can be concluded that mathematical problem solving abilities can be implemented, developed, and improved through the PBI model.

Keywords: *Mathematical problem solving ability, problem-based instruction.*