

ABSTRACT

Sari Putri (2023). *Improving The Ability of Understanding Mathematical Concept and Self-Efficacy to High School Students Through Problem-Based Learning Model Assisted by Learning Videos.*

The existence of science that continues to develop cannot be separated from the important role of mathematics. Mathematics is a field of science that is mandatory at every level of education in Indonesia. However, the fact is that students tend to have difficulty in understanding mathematical concepts and are passive in the learning process due to several factors so that they need mathematical abilities, especially the ability to understand mathematical concepts and Self-Efficacy. This research aims to determine the increase in the ability to understand mathematical concepts, the achievement of Self-Efficacy and the correlation between the ability to understand mathematical concepts and Self-Efficacy. This quantitative research uses a quasi-experimental method (quasi experiment). Students of class . The research instrumen was multiple choice type and a description as a test of the ability to understand mathematical concepts and an attitude scale using a Likert scale. Based on the results of data analysis, conclusions were obtained: 1) The increase in the ability to understand mathematical concepts of students who received the Problem-Based Learning model assisted by learning videos was higher than students who received the Problem-Based Learning model, 2) Self-Efficacy of students who received the Problem-Based Model Learning assisted by learning videos was better than students who receive the Problem-Based Learning model, 3) There was no correlation between the ability to understand mathematical concepts and the Self-Efficacy of students who receive the Problem-Based Learning model assisted by learning videos.

Keywords: *Ability of Understand Mathematical Concepts, Self-Efficacy, Problem-Based Learning Model, and Learning Videos*