

ABSTRACT

Tanti Riyana. (2021). “Analysis of Mathematical Problem-Solving Ability and Self-Efficacy of Middle Students Through Connecting, Reflecting, Organizing, and Extending (CORE) Learning Models”

The purpose of this study was to analyze the mathematical problem solving ability and self-efficacy of students who obtained the Connecting, Organizing, Reflecting, and Extending (CORE) learning model and to analyze the implementation of the Connecting, Organizing, Reflecting, and Extending (CORE) learning model through the ability to mathematical problem solving and student self-efficacy. The type of research used in this study is library research or library research using a qualitative research approach. The data sources used are primary data sources and secondary data sources. The data collection technique used is a documentation study. In this study, the data analysis techniques used were inductive and deductive. Based on the data analysis, it can be concluded as follows: (1) The Connecting, Organizing, Reflecting, Extending (CORE) learning model can improve student learning outcomes. It is intended that there are differences in student learning outcomes between the experimental class using the Connecting, Organizing, Reflecting, Extending (CORE) is better than the control class; (2) The Connecting, Organizing, Reflecting, Extending (CORE) learning model is able to increase students' self-efficacy compared to conventional learning and students also have high enthusiasm this has an effect on increasing learning outcomes and during the learning process using the Connecting learning model , Organizing, Reflecting, Extending (CORE) students also showed a positive attitude; (3) The Connecting, Organizing, Reflecting, Extending (CORE) learning model has a role to solve a problem and has an influence on problem solving abilities and makes students more active during the learning process.

Keywords: *Mathematical Problem Solving Ability, Self-Efficacy, Connecting Learning Model, Organizing, Reflecting, and Extending (CORE)*