

ABSTRACT

The Effect of Scramble Learning Model on Problem Solving Ability and Mathematics Learning Outcomes of Mts An-Nur Lenteng Students in 2019/2020 Academic Year:2020. Novi Wijayanti.

Keywords: Mathematics Learning Outcomes, Mathematical Problem Solving Ability and Scramble Learning Model

Mathematics is a subject that must be studied by students at every level of education and is related to everyday life. Therefore the teacher must have the right way so that the goals that have been set can be achieved. One way is to use the right learning model. The scramble learning model in this study is a way that can train students to be active, creative, and collaborate in learning.

This study aims to determine whether there is an effect of the scramble learning model on problem-solving abilities and mathematics learning outcomes of Mts An-Nur Lenteng students for the 2019/2020 academic year. This research is a quantitative research of class VIII population at MTs An-Nur. The sampling technique used was simple random sampling. The research sample was class VIII-B as many as 17 students.

The data collection technique uses tests of mathematical problem solving abilities and tests of learning outcomes in mathematics. While the data analysis technique used is statistical analysis using the N-gain test and t-test. Hypothesis testing with the t test obtained the value of $t = 21.5436$ while in the table the value of t is 1.745 at a significant level of 0.05, $dk = N - 1 = 17 - 1 = 16$, so the value of $t_{count} > t_{table}$. Thus it can be concluded that there is an effect of the scramble learning model on problem solving ability and mathematics learning outcomes of MTs An-Nur Lenteng students for the 2019/2020 Academic Year.