

ABSTRACT

The Effectiveness of the Scientific Approach to Student Activity in Mathematics Learning for Class VIII of SMP Negeri 2 Pasongsongan for the 2019/2020 Academic Year. Syaiful Bahri

Keywords: *Scientific Approach, Student Activity, Mathematics Learning*

The learning activity model really determines the level of student activity. In learning, various problems are often encountered, including students who are less active during the learning process so they are unable to understand the subject matter presented by the teacher, due to the inappropriate learning model. This study aims to determine the effectiveness of the scientific approach to student activity in learning mathematics in Class VIII SMP Negeri 2 Pasongsongan in the 2019/2020 academic year.

This study uses a quantitative approach. The type of research used is a quasi-experimental. Quasi-experimental or quasi-experimental is a type of research that involves the use of a whole group of subjects. This research consists of 2 activities. that is, the first stage provides treatment with a conventional learning model (lecture). the second stage provides treatment with a scientific approach. Both stages were carried out in one class VIII group. Data collection techniques in this study used non-participatory observation and structured observation. The instrument used is an observation sheet to collect data on student activity.

Based on the results of hypothesis testing, it is done by comparing the average value obtained from the results of observation of student activity using conventional learning models with a scientific approach. The results showed that the results of observations in the classroom with the application of the scientific approach obtained an average score of 19.8 higher than the class with conventional learning methods, namely 7.7, which means H_1 is accepted and H_0 is rejected. Class VIII Mathematics Learning at SMP 2 Pasongsongan