ABSTRACT

The *science, technology, engineering and mathematics* (STEM) approach is an approach that combines four scientific disciplines that are integrated in the real-life educational process, so that it can develop students' learning skills such as science process skills (KPS). This research aims to determine the effect of the STEM approach on students' science process skills in material on the structure and function of plants in class VIII SMP. This type of research uses a quasi-experimental non-equivalent control group design. The sample technique uses purposive sampling. The data collection technique uses pretest and posttest questions on science process skills. Data analysis techniques include the average results of pretest, posttest, N-gain and hypothesis testing using the independent t test. Based on the research results, an average value of 11,67 was obtained with an N-gain of 0,77 in the high category. Hypothesis testing uses the independent t test which is stated with a significant value of 0,000 < 0,05, which means H1 is accepted, so it can be concluded that there is an influence of the science, technology, engineering and mathematics (STEM) approach on students' science process skills in structure and function material. plant.

Keywords: Learning Approach, Science Process Skills, STEM