

ABSTRACT

Anggi Anggana Josephine, ID.4183151020 (2018). The Effect of Problem Based Learning Models on Learning Outcomes on The Human Skeletal System Material in Grade VIII SMP N 14 Medan.

This study aims to determine the effect of problem-based learning models on student learning outcomes on the Human Skeletal System in grade VIII material of SMP N 14 Medan. This type of research is a *quasi-experiment*. The population in the study was all students of class VIII semester 1 of SMP Negeri 14 Medan consisting of 6 classes. The sample of this study was taken in two classes, namely VIII-1 as an experimental class of 30 people and class VIII-2 as a control class of 30 people determined by cluster random sampling. The instrument used is a learning outcomes test in the form of multiple choices consisting of 20 items. The hypothesis test used in this study is the t test. Based on the results of data analysis, the average value of the experimental class pretest was 49.0 and the average value of the control class pretest was 44.66 while the average value of the experimental class postes was 71.66 and the control class was 60.66. Based on the results of the t postes test obtained $t_{\text{count}} > t_{\text{table}} = 2.747 > 1.672$ with $\alpha = 0.05$ so that H_a is accepted and H_0 is rejected. So it can be concluded that there is an influence of problem-based learning models on student learning outcomes on human skeletal system material in class VIII SMP N 14 Medan.

Keyword: Problem Based Learning, Learning Outcomes, Human Skeletal System.