

ABSTRACT

Audia Guslianie. 2016. DIFFERENCES OF LEARNING MODEL STUDENT LEARNING USING DIRECT INSTRUCTION TO PROBLEM BASED LEARNING MATERIALS IN CLASS X FUNGI IN SMA Pasundan 2 CITY CIMAHI. Supervisor 1 Prof. Dr. H. Toto Sutarto Gani Utari, M.Pd. dan Pembimbing 2 Drs. Hj. Lilis Suhaerah, M.kes.

This study aims to determine differences in learning outcomes using Direct Instruction learning model with the Problem Based Learning on the Fungi material class X SMA Pasundan 2 Cimahi. The method used is an experimental method with a pretest-posttest design group design. The population in this study were students of class X SMA Pasundan 2 Cimahi as much as two classes, each of which amounted to 30 students. Sampling is done by random sampling technique. Instrument used in the form of knowledge in the form of multiple-choice test with 22 questions yang adapted to indikator achievement of learning that has been tested. In this research, students of class X SMA Pasundan 2 Cimahi fungi lack an understanding of matter, besides the students do not understand the material Fungi students also feel monotonous learning model normally. From the results, the average value of the pre-test on the Direct Instruction group of 55 and a post-test at 88. While on Problem Based Learning group gained an average pre-test by 61, and the post-test is obtained by an average of 87. After the researchers went with the t-test on Direct group intruction, with criteria if $-t(1-\alpha/2) < t < t(1-\alpha/2)$ for anything else hypothesis is rejected, because the $t(-37.47)$ is not in t table (2.045), then the hypothesis (H_0) is rejected and (H_1) is accepted by improving student learning outcomes by 60%. For groups of Problem Based Learning, with the criteria if $-t(1-\alpha/2) < t < t(1-\alpha/2)$ for anything else hypothesis is rejected, because the $t(-54.49)$ are not t table (2.045), then the hypothesis (H_0) is rejected and (H_1) is accepted by improving student learning outcomes amounted to 42.62%. The next group intruction Direct learning model with the Problem Based Learning the learning outcomes of fungal material, the criteria to receive (H_0) \leq thitung ttable, for another thing hypothesis (H_0) is rejected, because the $t(6,46) \geq t$ table (2.002) then hipoteisinya (H_0) is rejected and (H_1) is accepted, with a percent difference of 21.11%. Direct learning model intruction then lebih influential than learning model Problem Based Learning against fungal material in class X SMA Pasundan 2 Cimahi.

Keywords: Differences in learning outcomes, Direct Instruction, Problem Based Learning