Gina Megatira Wijaya, 2017. APPLICATION MODEL OF DISCOVERY LEARNING BETWEEN MEDIA VIDEO WITH TORSO OF STUDENT LEARNING OUTCOMES. Under the guidance: Prof. Dr. H. Toto Sutarto Gani U, M.Pd. and Cita Tresnawati, S.Pd., M.Pd

ABSTRACT

This study aims to determine the improvement of student learning outcomes by applying learning discovery learning model between video media and torso. The method used in this research is Pre-experiment with research design One Group Pretest Posttest Design. Population in this research is all student of class XI IPA SMAN 18 Bandung with sample of 2 classes that is XI MIPA 2 and XI MIPA 3 which amounted to 30 students per class. Sample selection in this study using simple random sampling technique. The instrument used is a test instrument for measuring the cognitive domain is, 30 multiple choice questions and 2 essay questions. The experimental results of the experimental class 1 pre-test (51,4) and post-test (70,86) while the experimental class 2 pre-test (57,36) and post-test (75,6). Based on the calculation of paired t test with significant level $\alpha = 0,05$, the result of experiment class 1 thit (4,24) and experiment class 2 thit (4,51) $\geq$ ttab (2,04). then H_a is accepted and H_0 is rejected. The value of N-Gain (0,413) and (0,432) shows that there is a significant difference that the application of learning discovery learning model between video media and torso can improve student learning outcomes. This is a positive effect of the developed learning model.

Keywords: Discovery Learning, Learning Models, Learning Outcomes.