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 α = 0,05, the result of experiment class 1 thit (4,24) and experiment class 2 thit (4,51) ≥ ttab (2,04). then H₀ is accepted and H₀ 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.