ABSTRACT


This study is conducted due to the low learning result of 11th grade students of Mathematics and Natural Science (MIA) in SMAN 12 Bandung for the subject of reproduction system due to the fact that the material is rather abstract and lacking of visualization. The purpose of the study is to analyze the change of learning result by implementing learning process using interactive multimedia of Adobe Air. The method employed is Pre-Experimental with the design of One Pretest-Posttest. The population consists of all 11th grade students of Mathematics and Natural Science (MIA) in SMAN 12 Bandung. The sampling method is conducted using purposive sampling of 37 students of 11th grade, considered that the students averagely own personal computer and the capability to study independently. The instrument is the form of objective test (multiple choices) of 30 questions in order to obtain primary cognitive data, questionnaire, and observation to obtain secondary data of response and activities of the students. The improvement of learning result is analyzed using Wilcoxon test of α=0.05. The data analysis shows significant learning result with Gain score of 52.86 and N-Gain of 0.71 (high category). This learning method is responded positively by 82.4% students and 83% students do well. Therefore, it can be concluded that the use of interactive multimedia of Adobe Air is able to improve students’ learning result in the subject of reproduction system. It is essential to test out the integration of such learning method with the other learning methods of different concepts.

Keywords: Interactive Multimedia of Adobe air, Learning Result, Reproduction System Concept