ABSTRACT

Muhammad Ali Fadli, 2017. *Use of Multimedia-Assisted Questioning Strategies to Enhance Knowledge of Students' Concept of Vocational Class X on Cell Matter. Supervisor* 1 Prof. H. Toto Sugiarto Gani Utari, M.Pd., *and Advisor* 2 Hj. Lilis Suhaerah, M.Kes.

Research Use of Multimedia-Assisted Multimedia Questioning Strategies to Improve Knowledge of Student Concept of Vocational Class X In Cell Material aims to find out whether the use of multimedia assisted questioning strategy can improve students' mastery of concepts in cell material. The research method used is quasi experiment with Pre-Experimental Design Design One-Group-Pretest-Posttest Design. Sampling technique using Purposive Sample selected one class that is class X PN 1 SMK ICB Cinta Wisata Bandung. The data analysis technique used normality test, homogeneity test, hypothesis test, and gain normality test. The pretest result is a minimum value of 25, a maximum value of 50, and an average value of 36.5. Posttest result is a minimum value of 60, a maximum value of 90, and an average value of 76.6. Result of normality test that is X2hitung <X2 table or show pretest and posttest value of normal distribution student. Homogeneity test result is Fhit <Ftab or show pretest and posttest value of students homogeneous. Result of hypothesis test that is thit> ttab or show Ho accepted. And the result of normality gain test is 0,62 or show improvement of learning result reaching medium criterion. So it can be concluded that the use of Multimedia-assisted Questioning strategy can improve the mastery of students' concepts on cell material.

Keywords: Multimedia-assisted Questioning strategy, student cognitive learning outcomes, cell concept