ABSTRACT

Resti Nur'Azizah. 2019*. The Application of Wikipedia to Improve Digital Literacy Skills and Student Learning Outcomes on Bacterial Material.*. Advisor I Dr. Cartono, M.Pd., M.T. dan Advisor II Ida Yayu Nurul Hizqiyah, S.Pd., M.Si.

This research was conducted based on 21st century skills background and digital development. The application of wikipedia to improve one of the 21st century skills is the digital literacy skills of students which have not been fully implemented in every school with the result that students' learning outcomes also increase. This study aims to determine the learning outcomes of students before and after the application of Wikipedia on bacterial material in SMA Pasundan 4 Bandung. This research uses a Pre-experimental method. The results of the study were obtained by pretest and posttest with 15 multiple choice questions, questionnaires and observation sheets. The results of this research analyzed using IBM SPSS 20.0 software through the normality test with the Shapiro-Wilk statistical test and hypothesis testing with One Sample T-test. Based on the results, the analysis obtained a value of 0,000 or a significant value <0.05 which means the hypothesis (Ha) is accepted and the null hypothesis (Ho) is rejected. The results shows there are significant differences in the students learning outcomes before and after learning by applying Wikipedia. Based on this research, it can be concluded that the application of Wikipedia on learning bacterial material can improve digital literacy skills and student learning outcomes.

Keywords: Wikipedia, Digital literacy, Learning Outcomes, Bacterial