

ABSTRACT

Zaky Ainul Yakin. 2019. ***Implementation of Wikipedia to Increasing Digital Literacy Skills and Student Learning Outcomes on Biodiversity Materials.***

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This research was conducted based on 21st century skills background and technological development. But the learning approach and the use of ICT (Information and Communication Technology) as a step to increase the digital literacy ability of students which is one of the 21st century skills to increase student learning outcomes has not been fully implemented in every school. This research aims to determine differences in student learning outcomes before and after using learning with the application of Wikipedia on Biodiversity Materials in Pasundan 1 High School Bandung. This research uses a Pre-Experimental method. Research data obtained by pretest and posttest and questionnaire. The instrument in this research was a multiple choice objective test of 10 questions. The data from this study were then analyzed using IBM SPSS 20.0 for windows software through the normality test with the Shapiro-Wilk statistical test and then hypothesis testing was performed using one sample t-test. Based on the results of the analysis of hypothetical data from the posttest using one sample t-test, the value of 0,000 or significance value <0.05 , which means that the hypothesis (H_a) is accepted and the null hypothesis (H_0) is rejected. This shows that there are significant differences in student learning outcomes before and after using learning with the application of Wikipedia. The digital literacy ability of students analyzed from the results of the pretest and questionnaire also increased. Based on this research it can be concluded that learning by applying Wikipedia on Biodiversity Materials can increasing digital literacy skills and student learning outcomes.

Keywords: *Digital Literacy, Wikipedia, Learning Outcomes, Biodiversity*