

Application of Web Oriented Cooperative Learning (CL) To Improve Literacy of Information and Learning Outcomes of Students on the Concept of Biodiversity

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ABSTRACT

This study aims to determine whether learning by using the application of web-oriented cooperative learning (CL) models can improve information literacy and student learning outcomes on the concept of biodiversity. The research method used was Pre-Experimental by using the One-Group Pretest-Posttest research design and questionnaires to the students of class X Bandung National High School Academic Year 2018/2019. The instrument in this study is 10 multiple-choice objective tests. Data The results of this study were analyzed using IBM SPSS 20.0 for Windows software through normality tests with the Shapiro-Wilk statistical test then testing hypotheses. The results of the cognitive aspects obtained an average score of Pretest 37.5 and the average posttest score of 78.9 and the results of the N-Gain test obtained a score of 0.88 in the high category. Then the results of the assessment on the affective aspects get an average score of 77.78 in the good category and the results of the assessment on the psychomotor aspect an average score of 92.22 with a very good category. While the results of the questionnaire from all students obtained a positive response of 88.12% with very good criteria. Based on the results of the hypothesis test obtained a value of 0.000 or a significance value of <0.05. This shows that there are significant differences in learning outcomes of students before and after using a cooperative learning (CL) web-oriented learning model. Based on these studies it can be concluded that the cooperative learning (CL) model of web-oriented on the concept of Biodiversity can improve information literacy and student learning outcomes.

Keywords: *Cooperative Learning (CL), Web, Information Literacy, Student Learning Outcomes, Biodiversity*