

ABSTRACT

*Ropi Fauzi Rijwandi. 2018. **The Model Project Based Learning to Web-Oriented Teaching To Improve Students' Critical Thinking on the Concept of Virus in SMA Pasndan 2 Bandung.** Advisor 1 Toto Sutarto G.U.,. Advisor 2. Nia Nurdiani*

This study was conducted with the aim to determine the effectiveness of learning with a project-based learning model (PjBL) web-oriented in improving students' critical thinking skills. The sample this study was a class X IPA 3 in SMA Pasundan 2 Bandung, amounting to 31 students. This study used pre-experiment and research method with one group pretest-posttest design. The hypothesis proposed was that the application of a project based learning model can improve students' critical thinking skills in the concept of viruse. Datas was analysed by Normality Test, Homogeneity Test, Hypothesis Test with t test, and Gain Normality Test. The results of this study indicate that the critical thinking skills were increase in the average (Gain) 0.56 and the level of increase (N-Gain) ranging from 0.25 to 1.00, which is dominated by 68% in the range of 0.33 - 0.67 with medium increase criteria. There was a also significant difference between the results of the pretest and posttest. So it can be concluded that there was an increase in critical thinking after applying a web-oriented project based learning model to the concept of viruses.

Keywords: *Project Based Learning, Critical Thinking, Virus Concepts.*