

## ABSTRACT

Tresna Restu Fauziah, 2018. *Learning of Biodiversity Based on Local Wisdom to Improve the Creative Thinking of High School Student*. Guided by Dr. Mia Nurkanti, M.Kes and Mimi Halimah, S.Pd, M.Si.

*Problems in the research is ability of creative thinking of the concepts students against the lessons of Biology in high school Puragabaya Bandung. The purpose of this research is to know creative thinking and response student high school students of class X by using the model of make project based learning. The methods used in this research is the pre-experimental. The population in this research is a class X High School of sciences Puragabaya Bandung odd semester 1 academic year 2018-2019. As for the technique of sampling using purposive sampling techniques. The instruments used in the research in the form of a test and non-test. Data analysis was performed using t-test via SPSS 21 program for Windows that is known to the average value of 52 pretest and posttest average value of 70,5. The average value of post-test seemed higher than the average value of pre-test which means improved after treatment using project based learning model. Note the value of significance test for Paired Samples T-Test are obtained is 0.000. The value smaller than 0.05 ( $p$ -value < 0.05). Than it can be concluded that there is a significant creative thinking on the subjects of biology with sub Biodiversity concept between before (pretest) and after (posttest) using the project based learning models. Then the development of the concept of mastery is reinforced by the results of the calculation of the average N-gain on this research obtained average value of N-Gain data between pre-release test data with post-test of 0,30. The value is between 0,21-0,40 low criteria. Thus, it can be concluded that students have increased after using project base learning model. The average affective percentage is 79% with good criteria that show an attitude of no doubt when students present the product. Then the psychomotor aspect that shows an average percentage of 72% with good criteria that shows students are able to make good tofu products. The results of the study on the Self and Peer Assessment sheets showed an average percentage of 84% with very good criteria. That way it can be concluded that the project-based learning model can improve creative thinking skills and student attitudes toward learning.*

**Keyword:** *Project Based Learning, Creative Thinking, Response Student*