

THE IMPLEMENTATION OF COOPERATIVE LEARNING MODEL WITH THINK PAIR SHARE TYPE TO IMPROVE STUDENTS' LEARNING ACHIEVEMENT ON ECOSYSTEM CONCEPT AT ELEVENTH GRADE

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ABSTRACT

This study is conducted based on the low comprehension of Tenth Grade students in majoring Science and Mathematics of Kemala Bhayangkari Senior High School Bandung on ecosystem concept which is caused by the implementation of inappropriate learning model so the students are difficult to understand the materials conveyed by the teacher. The population of this study is Twenty five (25) tenth grade students in majoring Science and Mathematics of Kemala Bhayangkari Senior High School Bandung. The method used in this study is *Pre-Experimental Designs* with *One Group Pretest-Posttest design*. The research instruments are two types namely test and non-test. Test is used to measure cognitive aspects by answering twenty (20) multiple choice items confirmed with the accomplishment indicators have been tried before, and non-test instruments are questionnaire which is conducted to measure affective aspect and observation sheet to measure psychomotoric aspect. The result analysis on test instruments showed the improvement of students' learning achievement with posttest average score is about 70,80, supported by t-test result $10,03 > 2,66$, and Gain test normalized is about 0,51 means that there are increasing result on students' movement using Think Pair Share learning model on ecosystem concept and belong to medium category. The data analysis result on affective aspect non-test instrument taken from questionnaire result showed average result is about 4,16 or approximate to 5, so it can be concluded that the students' response towards biology teaching and learning using Think Pair Share learning model on ecosystem concept are good. While the data analysis result of psychomotoric aspect taken from observation sheet about students' activity showed 88 (appropriate category), observation sheet about document analysis showed 94 (very appropriate category), and observation sheet about teacher's activity showed 92, so it can be concluded that the teaching and learning process using Think Pair Share model on ecosystem concept can be used as an alternative in biology teaching and learning.

Keywords: Think Pair Share, Questionnaire, Observation sheet, Students' Learning Achievement, Ecosystem.