ABSTRACT

Sekar Indah Lestari, 2018. **Implementation of Problem Based Learning Model on Affective and Psychomotor Ability of Students on the Concept of Environmental Pollution at High School Level.** *Advisor 1, Dr. rer. nat. Adi Rahmat, M.Si. and Advisor 2, Dr. H. Uus Toharudin, M.Pd.*

This research has purpose to know the influence of Problem Based Learning (PBL) to students' affective and psychomotor ability to environmental pollution concept. This study is also expected to improve students' cognitive abilities, as well as to know the affective and psychomotor abilities of students after learning with Problem Based Learning model. This is based on the need to balance students' cognitive, affective, and psychomotor abilities. The total population of this study is 35 students, who came from class X MIPA Senior High School 6 Bandung. The method used in this research is pre-experimental with One-Group Pretest-Posttest research design. Instruments used in the form of multiple choice questions as much as 20, affective assessment sheets, and cognitive assessment sheets. From the results of this study obtained pretest average value is 62.57 and the average posttest is 83.86 with average N-gain is 0.58, which fall into the normal category, then the average affective ability value of 81,3 and the psychomotor average score is 83 both are in good category. The result of paired hypothesis test shows that there is significant difference between pretest and posttest result with significance value 0.000. Result of correlation test between cognitive and affective ability of signification value is 0,043, significance value between affective and psychomotor 0,000, and significance value of psychomotor with cognitive 0,038 all three indicate that there is strong correlation with signification below 0,05. So it can be concluded that the implementation of Problem Based Learning model can develop students' cognitive, affective and psychomotor abilities with a balanced on the concept of environmental pollution.

Keywords: *Problem Based Learning Model, Cognitive Ability, Affective, and Psychomotor, Environmental Pollution.*