ABSTRACT

IMPROVING STUDENT CRITICAL THINKING THROUGH LEARNING BASED PROBLEMS IN SUB CONCEPT OF WATER POLLUTION

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This thesis entitled Improving Student Kryst Thinking Skills Through Problem Based Learning In Sub Concept of Water Pollution. This research is aimed to improve students' critical thinking ability by using Problem Based Learning model. The design used is the one group pretest and posttest to see improvement of students' critical thinking ability. The population used in this study is the students of class X Culinary SMK Negeri 15 Bandung. Based on the statistical analysis it is known that normality test is normally distributed. The data variance is homogeneous because the sig niali is greater than 0.05 (0.435 <0.05). While the result of hypothesis test is significant because significance value <0,005 (5%). This means that Ho is rejected because there is a siginikan difference between pretest and posttest. This shows that there is a significant increase in critical thinking ability between pretest and posttest results. So it can be concluded that Problem Based learning can improve students' critical thinking ability on the concept of water pollution significantly (significantly different).

Keywords: critical thinking, Problem Based Learning (PBL), water pollution.