

**THE IMPLEMENTATION OF *PROBLEM BASED LEARNING* AND *PQ4R*
STRATEGY IN IMPROVING STUDENTS' LEARNING OUTCOME IN
LEARNING REPRODUCTION SYSTEM OF SMAN 22 BANDUNG**

Dwi Lestari

125040126

Dr. Cartonno, M.Pd., M.T. and Drs. Otang Hidayat, M.Pd.

ABSTRACT

This research is conducted based on the result of students' learning outcome in learning reproduction system in the class XI IPA 1 of SMAN 22 Bandung. This problem is caused by an inappropriate method which is used in learning process, As the result, more than 50% students get score under Minimum mastery criteria (KKM) 78 every years. To solve this problem, one method is needed to improve students' learning outcome, so the research aims to giving informations about the implementation of *Problem Based Learning* and *PQ4R* strategy to improving student's learning outcome. This research is conducted by using *Quasi-Experimental* method which is used *Pre-eksperimental One Group Pretest Posttest design*. The result from research get mean score of the pretest is 37.33 and post-test is 82. The data obtained from both pre-test and post-test are analyzed and calculated using gain normalisasi and the value of Index Gain is 0.71 with high criteria. Besides pretest and post-test data, this research is also supported by questionnaire and out of 4.03 students show positive response on problem based learning and PQ4R strategy. Moreover, this research is also supported by students' work observation, lesson plan, and teacher's observation sheet the implementation of *Problem Based Learning* and *PQ4R* strategy are categorized into good methods. It can be concluded that the implementation of problem based learning and PQ4R strategy are effective in improving students' learning outcome in learning reproduction system.

Key Word: *Problem Based Learning* Model, *PQ4R* Strategy, Learning Outcomes.