

ABSTRACT

Gilang Nur Ramadan. 2017. *Application of Problem Based Learning Models to Increase Gathering Data through All Sense Students on the Concept of Bacteria.* Adviser 1. Dr. H. Uus Toharudin, M.Pd. Adviser 2. Ida Yuyu Nurul Hizqiyah S.Pd., M.Si.

This research aims to understand the application of model problem based learning on increased gathering data through all sense of students on concept of bacteria. Research is expected to improve learning outcomes students on the cognitive, affective, and psychomotor on gathering data through all sense. The subject of research that is a class X MIIA 2 at senior high school Kartika XIX-1 Bandung academic year 2017/2018 with amount of 25 students. The method used is pre-experimental design with use design research one group pretest-posttest design. Research results showing that on assessment cognitive happen enhancement on significant from value of 42,5 to 67 with N-gain of 0,39 be in medium category. Results research showing that on assessment affective at 75,2 or located on criteria good on significantly. Results research showing that on assessment psychomotor at 69, 68 or located on criteria good on significantly. Based on data results research could concluded that application of models Problem Based Learning could improve gathering data through all sense of students on concept bacteria.

Keywords: *Bacteria, gathering data through all sense, problem based learning.*