

## ABSTRACT

***Dyah Ayu Pratiwi. Implementation of Dynamic Problem-Based Learning in Chemistry and Its Effect on Student's Critical Thinking Skills. Undergraduate Thesis. Jakarta: Chemistry Education Study Program, Faculty of Mathematics and Natural Sciences, State University of Jakarta, July 2019***

*This study aims to determine students' critical thinking skills on acid-base learning. The study was conducted at SMAN 78 Jakarta in the even semester of the 2018/2019 school year with research subjects consisting of 35 students of class XI MIPA G. The study was conducted using qualitative analysis methods by collecting data through observation, LKPD, Critical Thinking Skills Analysis Tests, reflective journals, questionnaire and student interview. The dynamic problem-based learning model is carried out through five stages of learning namely problem orientation, organizing students to be ready to learn, guiding individual and group investigations, developing and presenting data and analyzing and evaluating data. The results showed that most of the students' critical thinking skills had reached a good level. The application of dynamic problem-based learning models has a positive impact on the development of students' critical thinking skills through discussion activities. In addition, the dynamic problem-based learning model of learning is in accordance with constructivist learning theory where students' knowledge is built on experience so that the knowledge will last long in memory.*

***Keywords:*** *Dynamic Problem-Based Learning, Critical Thinking Skills, Acid Base Learning*