

ABSTRACT

Sutari, 2022. *Application of Google Classroom Assisted Problem Based Learning Learning Model in Improving Students' Critical Thinking Skills on Ecosystem Materials. Guided by Dr. drh. Nia Nurdiani, M.Si., Fitri Aryanti, S.T., M.Pd.*

Critical thinking skills are exercises by making a decision to make translations, examinations, judgments, and conclusions based on explicit evidence, ideas, techniques, criteria, or frameworks used for planned assessments. One way to improve students' critical thinking skills is to apply a problem based learning model assisted by Google Classroom in the learning process. The purpose of this study is to determine the improvement of students' critical thinking skills by using a problem based learning model assisted by google classroom on ecosystem material. This study uses an experimental method with a pre-experimental design type one group pre test-post test. The population in this study were students of class X Mathematics and Natural Sciences SMA Pasundan 8 Bandung with a sample of 21 students of class X Mathematics and Natural Sciences who were taken by purposive sampling. The results of this study were seen from the increase in the posttest results from the pretest. The average value of the pretest of students is 61.52, which is smaller than the posttest result of 88.90. Meanwhile, from obtaining student response questionnaires during KBM through the application of problem based learning models assisted by google classroom on ecosystem materials, students received a very good response. Thus, it can be concluded that learning using a problem based learning model assisted by Google Classroom can improve students' critical thinking skills on ecosystem materials. Based on the results of this study, it is recommended for researchers who want to use the problem based learning model to have good preparation when managing KBM in the classroom so that all levels of learning can operate optimally and learning objectives can be achieved.

Keywords: *Problem Based Learning, Google Classroom, and Critical Thinking Ability*