

ABSTRACT

PUTRI KURNIASARI. 2026. **THE EFFECT OF GOOGLE SITES-BASED PROBLEM BASED LEARNING (PBL) LEARNING MODEL ON CRITICAL THINKING SKILLS AND LEARNING OUTCOMES ON ENVIRONMENTAL CHANGE MATERIALS (EXPERIMENTAL STUDY IN CLASS X SMAN 2 CIAMIS).**

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Education is important for the quality of human resources, this study aims to find out the effect of the application of the Google Sites-based Problem Based Learning model on students' critical thinking skills and cognitive learning outcomes on environmental change materials. The method used is quasi-experimental. The research was carried out on May 2 – May 20, 2025 at SMA Negeri 2 Ciamis in the 2024/2025 school year with a population of 12 classes for all class X. The sample was determined through purposive sampling so that XE-11 class was selected as the experimental class and XE-10 as the control class. Data was collected using a critical thinking ability test in the form of 11 descriptive questions and a cognitive learning outcome test in the form of 32 multiple-choice questions. The results showed that the average pretest score of 18.58 and posttest 27.86 critical thinking skills in the experimental class was higher than the control class which obtained an average pretest score of 17.28 and posttest 22.25. Meanwhile, the average pretest score of 24.33 and posttest 26.14 cognitive learning outcomes in the experimental class, while the control class obtained a pretest score of 21.39 and a posttest score of 25.72 although the final score of the experimental class remained higher, the improvement in learning was actually greater in the control class. Based on the results of ANCOVA data analysis and hypothesis testing, it is shown that the significance value of the Google Sites-based Problem Based Learning (PBL) model is 0.000 or the significance value < 0.05 , meaning that H_0 is rejected and H_a is accepted, so it can be concluded that there is an influence of the Google Sites-based Problem Based Learning (PBL) learning model on the ability to think critically and the learning outcomes of students on environmental change materials in class X of SMA Negeri 2 Ciamis.

Keywords: Problem Based Learning; Google Sites; Critical thinking skills; cognitive learning outcomes; Environmental Change.