

## ABSTRAK

### **VIONITA HENDRIANI : “Pengaruh Model Pembelajaran Learning Cycle 7E (*Elicit, Engagement, Explore, Explanation, Elaboration, Evaluation, and Extend*) Untuk Meningkatkan Kemampuan Berpikir Kritis Siswa pada Metri Perubahan Lingkungan”**

Pada kehidupan Abad ke-21 ini terlihat dari perkembangan ilmu pengetahuan dan teknologi yang semakin pesat. Untuk memenuhi tuntutan peningkatan kualitas sumber daya manusia di abad ke-21, pendidikan harus mampu menyiapkan peserta didik dengan berbagai keterampilan penting. Partnership for 21st Century Skills (P21) menyebutkan bahwa kompetensi utama yang diperlukan pada abad ke-21 mencakup The 4Cs, yaitu communication, collaboration, creativity, dan critical thinking. Penelitian ini bertujuan menganalisis pengaruh model pembelajaran *Learning Cycle 7E (Elicit, Engagement, Explore, Explanation, Elaboration, Evaluation, and Extend)* untuk meningkatkan kemampuan berpikir kritis siswa pada materi perubahan lingkungan. Peneliti menggunakan *quasi experiment* dengan desain *non equivalent control group design* dengan melibatkan 69 siswa kelas X semester ganjil tahun ajaran 2025/2026. Hasil penelitian menunjukkan bahwa aktivitas guru di kelas eksperimen yaitu 95% dan aktivitas siswa nya ialah 90% keduanya termasuk kategori sangat baik. Nilai N-Gain pada kelas eksperimen sebesar 0,64 (kategori sedang) sedangkan pada kelas kontrol yaitu 0,50 (kategori sedang). Peningkatan tertinggi pada indikator KbKr yaitu pada indikator interpretasi sebesar 0,67 (kategori sedang), dan indikator terendah yaitu analisis sebesar 0,61 (kategori sedang). Siswa memberikan respon sebesar 85% terhadap model pembelajaran *Learning Cycle 7E* (kategori sangat baik), dan sebesar 80% terhadap materi perubahan lingkungan. Hasil uji hipotesis diperoleh nilai Sig. 0,001 ( $<0,05$ ) yang artinya  $H_0$  ditolak dan  $H_1$  diterima, serta hasil dari uji effect size yaitu 1,053 masuk kedalam kategori tinggi. Dengan demikian dapat disimpulkan bahwa model pembelajaran *Learning Cycle 7E* berpengaruh positif untuk meningkatkan kemampuan berpikir kritis siswa pada materi perubahan lingkungan.

**Kata Kunci :** Model *Learning Cycle 7E*, Kemampuan Berpikir Kritis, Perubahan Lingkungan

## ABSTRACT

**VIONITA HENDRIANI : "The Effect of the Learning Cycle 7E Model (Elicit, Engagement, Explore, Explanation, Elaboration, Evaluation, and Extend) to Improve Students' Critical Thinking Skills on Environmental Change Metrics"**

*In the 21st century, life is seen from the increasingly rapid development of science and technology. To meet the demands of improving the quality of human resources in the 21st century, education must be able to prepare students with various important skills. The Partnership for 21st Century Skills (P21) states that the main competencies needed in the 21st century include The 4Cs, namely communication, collaboration, creativity, and critical thinking. This study aims to analyze the effect of the Learning Cycle 7E learning model (Elicit, Engagement, Explore, Explanation, Elaboration, Evaluation, and Extend) to improve students' critical thinking skills on environmental change material. The researcher used a quasi-experiment with a non-equivalent control group design involving 69 grade X students in the odd semester of the 2025/2026 academic year. The results showed that teacher activity in the experimental class was 95% and student activity was 90%, both of which fall into the very good category. The N-Gain value in the experimental class was 0.64 (moderate category), while in the control class it was 0.50 (moderate category). The highest increase in the KbKr indicator was in the interpretation indicator, at 0.67 (moderate category), and the lowest was in the analysis indicator, at 0.61 (moderate category). Students responded 85% to the Learning Cycle 7E learning model (very good category), and 80% to the environmental change material. The results of the hypothesis test obtained a Sig. value of 0.001 ( $<0.05$ ), which means  $H_0$  is rejected and  $H_1$  is accepted. Furthermore, the effect size test result of 1.053 is in the high category. Therefore, it can be concluded that the Learning Cycle 7E learning model has a positive effect on improving students' critical thinking skills on environmental change material.*

**Keywords:** *Learning Cycle 7E Model, Critical Thinking Skills, Environmental Change*