ABSTRAK

Firdha Tifanny. 2025. **PENGARUH MODEL *ADAPTING, SEARCHING, INTERPRETING, CREATING, COMMUNICATING* BERBANTUAN *PHET SIMULATION* TERHADAP KETERAMPILAN BERPIKIR KREATIF PESERTA DIDIK PADA MATERI PEMANASAN GLOBAL**

Penelitian ini dilatarbelakangi oleh rendahnya keterampilan berpikir kreatif peserta didik pada materi pemanasan global. Salah satu solusi yang dilakukan peneliti untuk mengatasi masalah tersebut adalah dengan menerapkan model *Adapting, Searching, Interpreting, Creating and Communicating* (ASICC). Tujuan dari penelitian ini adalah untuk mengetahui pengaruh model ASICC berbantuan *PhET Simulation* terhadap keterampilan berpikir kreatif peserta didik pada materi Pemanasan Global di kelas XI MIPA SMA Negeri 1 Ciamis. Metode penelitian yang digunakan adalah *quasi experiment* dengan desain penelitian *The Matching Only-Posttest Only Control Group Design*. Populasi penelitian ini, yaitu seluruh peserta didik kelas XI MIPA SMA Negeri 1 Ciamis sebanyak 7 kelas. Sampel penelitian diambil menggunakan teknik *purposive sampling* sebanyak 2 kelas, yaitu kelas XI MIPA 3 sebagai kelas eksperimen dan kelas XI MIPA 2 sebagai kelas kontrol, dengan jumlah peserta didik di kedua kelas 36 orang. Keterampilan berpikir kreatif peserta didik diukur menggunakan tes uraian setelah perlakuan (*posttest*) sebanyak 8 soal. Hasil uji hipotesis menggunakan uji t pada taraf signifikansi (α = 0,05) menunjukkan bahwa nilai $t_{hitung} > t_{tabel}$, yaitu 2,19 > 1,67 yang berarti, H_a diterima dan H_0 ditolak. Sehingga, dapat disimpulkan bahwa model *Adapting, Searching, Interpreting, Creating and Communicating* (ASICC) berbantuan *PhET Simulation* berpengaruh terhadap keterampilan berpikir kreatif peserta didik pada materi pemanasan global di kelas XI MIPA SMA Negeri 1 Ciamis tahun ajaran 2024/2025.

Kata kunci: model *Adapting, Searching, Interpreting, Creating and Communicating* (ASICC), *PhET Simulation*, Keterampilan Berpikir Kreatif, Pemanasan Global.

ABSTRACT

Firdha Tifanny. 2025. ***THE EFFECT OF THE ADAPTING, SEARCHING, INTERPRETING, CREATING, COMMUNICATING MODEL USING PHET SIMULATION ON STUDENTS' CREATIVE THINKING SKILLS ON GLOBAL WARMING MATERIAL***

This research is motivated by the low creative thinking skills of students on global warming material. One of the solutions made by researchers to overcome this problem is to apply the Adapting, Searching, Interpreting, Creating and Communicating model. The purpose of this study was to determine the effect of the ASICC model assisted by PhET Simulation on students' creative thinking skills on Global Warming material in class XI MIPA SMA Negeri 1 Ciamis. The research method used was a quasi-experiment with the research design of The Matching Only-Posttest Only Control Group Design. The population of this study was all students of class XI MIPA SMA Negeri 1 Ciamis as many as 7 classes. The research sample was taken using a purposive sampling technique of 2 classes, namely XI MIPA 3 as the experimental class and XI MIPA 2 as the control class, with the number of students in both classes being 36 people. Students' creative thinking skills were measured using a post-treatment essay test of 8 questions. The results of the hypothesis test using the t-test at the significance level ($\alpha = 0.05$) show that the t_{count} value > t_{table}, which is 2,19 > 1.67, which means that H_a is accepted and H_0 is rejected. It can be concluded that the Adapting, Searching, Interpreting, Creating and Communicating model assisted by PhET Simulation has a significant impact on students' creative thinking skills on global warming material in class XI MIPA SMA Negeri 1 Ciamis in the 2024/2025 academic year.

Keywords: Adapting, Searching, Interpreting, Creating and Communicating (ASICC) model, PhET Simulation, Creative Thinking Skills, Global Warming.