

ABSTRAK

RESA DIANA. 2024. **PENGARUH MODEL *PROBLEM BASED LEARNING* TERHADAP KETERAMPILAN BERPIKIR ANALITIS DAN KETERAMPILAN BERPIKIR KRITIS PESERTA DIDIK PADA MATERI SISTEM EKSRESI (Studi Eksperimen di Kelas XI MIPA SMA Negeri 1 Cisayong Tahun Ajaran 2023/2024).**

Jurusan Pendidikan Biologi. Fakultas Keguruan dan Ilmu Pendidikan. Universitas Siliwangi.

Penelitian ini bertujuan untuk mengetahui pengaruh model pembelajaran *problem based learning* terhadap keterampilan berpikir analitis dan keterampilan berpikir kritis peserta didik pada materi sistem ekskresi di kelas XI MIPA SMA Negeri 1 Cisayong tahun ajaran 2023/2024. Penelitian ini dilaksanakan pada November 2023 sampai Agustus 2024. Metode yang digunakan pada penelitian ini adalah *quasi experiment*. Populasi dalam penelitian ini adalah seluruh kelas XI MIPA SMA Negeri 1 Cisayong sebanyak 118 peserta didik. Sampel diambil menggunakan teknik *purposive sampling* sehingga diperoleh kelas XI MIPA 4 sebagai kelas eksperimen dan kelas XI MIPA 2 sebagai kelas kontrol. Instrumen penelitian yang digunakan yaitu soal uraian tes keterampilan berpikir analitis sebanyak 9 soal dan soal uraian tes keterampilan berpikir kritis sebanyak 12 soal. Teknik analisis data yang digunakan adalah ANCOVA dengan taraf signifikansi $\alpha = 0,05$. Berdasarkan hasil analisis data dan pengujian hipotesis menunjukkan bahwa nilai signifikansi keterampilan berpikir analitis dan keterampilan berpikir kritis kurang dari 0,05 yaitu sebesar 0,000. Sehingga dapat disimpulkan bahwa terdapat pengaruh yang baik dengan menerapkan model pembelajaran *problem based learning* terhadap keterampilan berpikir analitis dan keterampilan berpikir kritis peserta didik pada materi sistem ekskresi di kelas XI MIPA SMA Negeri 1 Cisayong tahun ajaran 2023/2024 sehingga dapat dipertahankan dan dikembangkan lagi.

Kata Kunci: *Problem Based Learning*, Keterampilan Berpikir Analitis, Keterampilan Berpikir Kritis.

ABSTRACT

RESA DIANA. 2024 THE EFFECT OF PROBLEM BASED LEARNING MODEL ON ANALYTICAL THINKING SKILLS AND CRITICAL THINKING SKILLS OF STUDENTS ON EXCESSION SYSTEM MATERIALS (Experimental Study in Class XI of SMA Negeri 1 Cisayong Academic Year 2023/2024). Department of Biology Education. Faculty of Teacher Training and Education. Siliwangi University.

This study aims to determine the effect of problem-based learning models on analytical thinking skills and critical thinking skills of students on excretory system material in class XI MIPA SMA Negeri 1 Cisayong in the academic year 2023/2024. This research was conducted from November 2023 to August 2024. The method used in this research is a quasi experiment. The population in this study were all XI MIPA classes of SMA Negeri 1 Cisayong as with many as 118 students. The sample was taken using purposive sampling technique so that XI MIPA 4 class was obtained as an experimental class and XI MIPA 2 class as a control class. The research instruments used were 9 questions of analytical thinking skills test descriptions and 12 questions of critical thinking skills test descriptions. The data analysis technique used was ANCOVA with a significance level of $\alpha = 0.05$. Based on the results of data analysis and hypothesis testing, it shows that the significance value of analytical thinking skills and critical thinking skills is less than 0.05, which is 0.000. So it can be concluded that there is a good effect of applying a problem-based learning model on analytical thinking skills and critical thinking skills of students on excretory system material in class XI MIPA SMA Negeri 1 Cisayong in the 2023/2024 school year so that it can be maintained and developed again.

Keywords: Problem Based Learning, Analytical Thinking Skills, Critical Thinking Skills.