

## ABSTRAK

MIA NURHASANAH. 2023. **PENGARUH MODEL PEMBELAJARAN *PROBLEM BASED LEARNING* BERBANTUAN MEDIA INTERAKTIF *ARTICULATE STORYLINE* TERHADAP KETERAMPILAN BERPIKIR KRITIS DAN RETENSI PADA PEMBELAJARAN BIOLOGI.** Jurusan Pendidikan Biologi, Fakultas Keguruan dan Ilmu Pendidikan, Universitas Siliwangi, Tasikmalaya.

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Tujuan penelitian ini adalah untuk mengetahui pengaruh model pembelajaran *problem based learning* berbantuan media interaktif *articulate storyline* terhadap keterampilan berpikir kritis dan retensi pada pembelajaran biologi. Penelitian ini dilaksanakan pada bulan April-Juli 2023. Metode penelitian yang digunakan adalah *quasi-experiment* dengan desain penelitian *nonequivalent control group design*. Populasi yaitu seluruh kelas X IPA SMA Negeri 1 Kawali tahun ajaran 2022/2023 sebanyak 6 kelas. Teknik pengambilan sampel dengan menggunakan teknik *purposive sampling* dengan kelas X IPA 1 sebagai kelas eksperimen dan X IPA 3 sebagai kelas kontrol. Instrumen yang digunakan dalam penelitian ini terdiri dari 2 instrumen yaitu instrumen keterampilan berpikir kritis berbentuk soal uraian sebanyak 13 soal, sedangkan instrumen retensi berbentuk soal pilihan ganda sebanyak 34 soal. Teknik analisis data yang digunakan adalah uji ANOVA satu jalur. Skor rata-rata *N-Gain* keterampilan berpikir kritis dan retensi kelas eksperimen lebih tinggi dibandingkan dengan kelas kontrol. Berdasarkan hasil pengujian hipotesis penelitian dapat disimpulkan bahwa terdapat pengaruh model pembelajaran *problem based learning* berbantuan media interaktif *articulate storyline* terhadap keterampilan berpikir kritis dan retensi dengan nilai signifikansi 0,000 dan 0,041.

**Kata Kunci:** *Problem Based Learning*; *Articulate Storyline*; Keterampilan Berpikir Kritis; Retensi.

## ABSTRACT

MIA NURHASANAH. 2023. *The Effect of Problem Based Learning with The Assistance of Articulate Storyline Interactive Media on Critical Thinking Skills and Retention in Biology Learning*. Biology Education Department, Faculty of Teacher Training and Education, Siliwangi University of Tasikmalaya.

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*The purpose of this study was to determine the effect of problem-based learning model assisted by articulate storyline interactive media on critical thinking skills and retention in biology learning. This research was conducted in April-July 2023. The research method used was quasi-experiment with nonequivalent control group design. The population is all X IPA classes of SMA Negeri 1 Kawali in the 2022/2023 school year as many as 6 classes. The sampling technique used purposive sampling technique with X IPA 1 class as the experimental class and X IPA 3 as the control class. The instruments used in this study consisted of 2 instruments, namely critical thinking skills instruments in the form of 13 description questions, while the retention instrument was in the form of multiple choice questions totaling 34 questions. The data analysis technique used was one-way ANOVA test. The average N-Gain score of critical thinking skills and retention of the experimental class was higher than the control class. Based on the results of testing the research hypothesis, it can be concluded that there is an effect of problem-based learning model assisted by articulate storyline interactive media on critical thinking skills dan retention with a significance value of 0.000 and 0.041.*

**Keywords:** *Problem Based Learning; Articulate Storyline; Critical Thinking Skills; Retention.*