

## ABSTRAK

**Nurul Hasanah Putri:** Pengaruh Model Pembelajaran *Problem Based Learning* Terhadap Kemampuan Berfikir Kritis. **Program Studi Pendidikan Fisika FKIP Universitas Malikussaleh, 2024.**

Penelitian ini bertujuan untuk mengetahui (1) pengaruh model pembelajaran *Problem Based Learning* terhadap kemampuan berfikir kritis siswa, (2) pengaruh model *Problem Based Learning* terhadap *self-efficacy* siswa, (3) pengaruh model *Problem Based Learning* terhadap kemampuan berfikir kritis dan *self-efficacy* siswa kelas XI di MAS Ulumuudin Kota Lhokseumawe.

Penelitian ini dilakukan pada tanggal 22 Mei s.d 27 Mei 2024 menggunakan jenis penelitian *Quasi Eksperimen* dengan desain *nonequivalent (pretest and posttest) control group desain*. Teknik pengambilan sampel yang digunakan adalah *purposive sampling* dengan 50 siswa yang terdiri dari 25 siswa kelas XI MIPA 3 sebagai kelas kontrol dengan menggunakan model pembelajaran *Direct Intruction* dan 25 siswa kelas XI MIPA 4 sebagai kelas eksperimen dengan menggunakan model pembelajaran *Problem Based Learning*. Instrumen pengumpulan data menggunakan tes soal *essay* kemampuan berfikir kritis yang berjumlah 12 soal dan non tes angket *self-efficacy* yang berjumlah 15 pernyataan. Untuk analisis data dengan uji hipotesis menggunakan uji Manova.

Berdasarkan hasil uji hipotesis melalui pengujian Manova diperoleh hasil pada dapat disimpulkan bahwa model *Problem Based Learning* berpengaruh terhadap kemampuan berfikir kritis dan *self-efficacy* siswa dengan metode *Wilks'lamda* menunjukkan nilai  $0,003 < 0,05$  maka  $H_0$  ditolak dan  $H_a$  diterima. Hasil pengujian menunjukkan model *Problem Based Learning* berpengaruh terhadap kemampuan berfikir kritis dengan menunjukkan nilai  $0,013 < 0,05$ , maka nilai rata-rata kemampuan berfikir kritis berpengaruh secara signifikan dan model *Problem Based Learning* dapat berpengaruh terhadap *self-efficacy* siswa dengan menunjukkan nilai  $0,020 < 0,05$  maka nilai rata-rata *self-efficacy* berpengaruh secara signifikan.

**Kata kunci:** Model *Problem Based Learning*, Kemampuan Berfikir Kritis, *Self-efficacy*

## ABSTRACT

**Nurul Hasanah Putri:** The Influence of Problem Based Learning Model on Critical Thinking Skills. **Physics Education Study Program, FKIP, Malikussaleh University, 2024.**

This research aims to determine (1) the influence of the Problem Based Learning model on students' critical thinking abilities, (2) the influence of the Problem Based Learning model on students' self-efficacy, (3) the influence of the Problem Based Learning model on critical thinking abilities and self-efficacy class XI students at MAS Ulumuudin Lhokseumawe City.

This research was conducted from 22 May to 27 May 2024 using a Quasi Experimental research type with a nonequivalent (pretest and posttest) control group design. The sampling technique used was purposive sampling with 50 students consisting of 25 students in class XI MIPA 3 as the control class using the Direct Instruction learning model and 25 students in class XI MIPA 4 as the experimental class using the Problem Based Learning learning model. The data collection instrument used a critical thinking ability essay test with 12 questions and a non-self-efficacy questionnaire with 15 statements. For data analysis by hypothesis testing, use the Manova test.

Based on the results of the hypothesis test through the Manova test, the results obtained can be concluded that the Problem Based Learning model has an effect on students' critical thinking skills and self-efficacy with the Wilks'lamda method showing a value of  $0.003 < 0.05$ , then  $H_0$  is rejected and  $H_a$  is accepted. The test results show that the Problem Based Learning model has an effect on critical thinking skills by showing a value of  $0.013 < 0.05$ , then the average value of critical thinking skills has a significant effect and the Problem Based Learning model can affect students' self-efficacy by showing a value of  $0.020 < 0.05$ , then the average value of self-efficacy has a significant effect.

**Keywords:** Problem Based Learning Model, Critical Thinking Ability, Self-efficacy