

ABSTRAK

Annisa Nurul Fitriani. 2024. **PENGARUH MODEL PEMBELAJARAN *SELF-ORGANIZED LEARNING ENVIRONMENT* (SOLE) TERHADAP *SELF CONFIDENCE* DAN KETERAMPILAN BERPIKIR KRITIS PESERTA DIDIK PADA MATERI GELOMBANG MEKANIK**

Penelitian ini dilatar belakangi oleh rendahnya keterampilan berpikir kritis dan *self-confidence* peserta didik pada materi gelombang mekanik dalam pembelajaran fisika. Penelitian ini bertujuan untuk mengetahui pengaruh model pembelajaran *Self-Organized Learning Environment* (SOLE) terhadap *self confidence* dan keterampilan berpikir kritis peserta didik pada materi gelombang mekanik. Metode penelitian yang digunakan yaitu kuasi eksperimen dengan desain *posttest only control group design*. Populasi penelitian ini adalah seluruh kelas XI IPA di SMAN 6 Tasikmalaya, yang terdiri dari 7 kelas dengan total 273 peserta didik. Sampel penelitian diambil dengan menggunakan teknik *purposive sampling* sebanyak 2 kelas yang nilai rata-rata dan standar deviasinya berdekatan yaitu kelas XI IPA 6 dengan nilai rata sebesar 51,5 dengan standar deviasinya sebesar 11,84 sebagai kelas eksperimen dan XI IPA 7 dengan nilai rata sebesar 42,7 dengan standar deviasinya sebesar 10,70 sebagai kelas kontrol. Keterampilan berpikir kritis diukur menggunakan tes esai sebanyak 8 soal yang memuat 5 indikator, sedangkan *self confidence* diukur menggunakan 20 pernyataan. Teknik analisis data yang digunakan meliputi uji prasyarat yaitu uji normalitas *multivariate* dan uji homogenitas *matriks varians kovarians*, serta uji hipotesis menggunakan uji *Multivariate Analysis of Variance* (MANOVA). Hasil uji hipotesis diperoleh $F_{hitung} > F_{tabel}$ yaitu $257,4 > 3,26$ dengan nilai signifikansi sebesar 0,001. Syarat nilai signifikansi $< 0,05$ artinya $0,001 < 0,05$ sehingga H_a diterima dan H_0 ditolak. Berdasarkan hasil tersebut, disimpulkan bahwa model pembelajaran SOLE berpengaruh terhadap *self-confidence* dan keterampilan berpikir kritis peserta didik pada materi gelombang mekanik di kelas XI IPA SMAN 6 Tasikmalaya tahun pelajaran 2023/2024.

Kata kunci: Keterampilan Berpikir Kritis, *Self Confidence*, Model Pembelajaran SOLE, Gelombang Mekanik.

ABSTRACT

Annisa Nurul Fitriani. 2024. ***THE EFFECT OF THE SELF-ORGANIZED LEARNING ENVIRONMENT (SOLE) LEARNING MODEL ON STUDENTS' SELF-CONFIDENCE AND CRITICAL THINKING SKILLS ON MECHANICAL WAVE MATERIALS***

This research is motivated by the low critical thinking skills and self-confidence of students in mechanical wave materials in physics learning. This study aims to determine the influence of the Self-Organized Learning Environment (SOLE) learning model on students' self-confidence and critical thinking skills in mechanical wave materials. The research method used is a quasi-experiment with a posttest only control group design. The population of this study is all science classes at SMAN 6 Tasikmalaya, which consists of 7 classes with a total of 273 students. The research sample was taken using purposive sampling technique of 2 classes whose average values and standard deviations were close, namely class XI IPA 6 with an average value of 51.5 with a standard deviation of 11.84 as the experimental class and XI IPA 7 with an average value of 42.7 with a standard deviation of 10.70 as the control class. Critical thinking skills are measured using an essay test with 8 questions containing 5 indicators, while self-confidence is measured using 20 statements. The data analysis techniques used include prerequisite tests, namely the multivariate normality test and the variance covariance matrix homogeneity test, as well as hypothesis testing using the Multivariate Analysis of Variance (MANOVA) test. The results of the hypothesis test obtained $F_{count} > F_{table}$, namely $257.4 > 3.26$ with a significance value of 0.001. The requirement for a significance value < 0.05 means $0.001 < 0.05$ so that H_a is accepted and H_0 is rejected. Based on these results, it was concluded that the SOLE learning model had an effect on students' self-confidence and critical thinking skills in mechanical wave material in class XI Science at SMAN 6 Tasikmalaya for the 2023/2024 academic year.

Keywords: *Critical Thinking Skills, Self Confidence, SOLE Learning Model, Mechanical Waves.*