

ABSTRAK

Silva Adinda Moryska. 2025. **PENGARUH MODEL PEMBELAJARAN *QUESTIONING, ORGANIZING, DOING, AND EVALUATING* (QODE) BERBANTUAN MEDIA BLOOKET TERHADAP KETERAMPILAN PROSES SAINS PESERTA DIDIK PADA MATERI GELOMBANG MEKANIK**

Penelitian ini dilatarbelakangi oleh rendahnya keterampilan proses sains peserta didik dalam materi gelombang mekanik. Upaya yang dilakukan peneliti untuk mengatasi masalah tersebut adalah dengan menerapkan model pembelajaran *Questioning, Organizing, Doing, and Evaluating* (QODE) berbantuan media blooket. Tujuan dari penelitian ini yaitu untuk mengetahui pengaruh model pembelajaran QODE berbantuan media blooket terhadap keterampilan proses sains. Metode penelitian yang digunakan yaitu *quasi experiment* dengan desain penelitian yaitu *posttest only control group design*. Populasi penelitian ini yaitu kelas XI MIPA SMA Negeri 1 Cihaurbeuti sebanyak 7 kelas dengan jumlah peserta didik 252 orang. Sampel penelitian diambil menggunakan teknik *cluster random sampling* sebanyak 2 kelas, yaitu kelas XI MIPA 5 sebagai kelas eksperimen dan kelas XI MIPA 6 sebagai kelas kontrol. Untuk mengukur keterampilan proses sains peserta didik dilakukan tes sesudah diberi perlakuan (*posttest*) berbentuk pilihan ganda berjumlah 29 soal yang mencakup indikator keterampilan proses sains setiap masing-masing soal. Berdasarkan uji hipotesis dengan uji t pada taraf signifikansi ($\alpha = 0,05$), diperoleh hasil $t_{hitung} > t_{tabel}$ yaitu $3,850 > 1,994$ sehingga H_0 ditolak dan H_a diterima. Artinya pada taraf kepercayaan 95% disimpulkan bahwa ada pengaruh model pembelajaran QODE terhadap keterampilan proses sains peserta didik pada materi gelombang mekanik di kelas XI SMA Negeri 1 Cihaurbeuti tahun ajaran 2024/2025.

Kata kunci: Blooket, Gelombang Mekanik, Keterampilan Proses Sains, Model Pembelajaran QODE.

ABSTRACT

Silva Adinda Moryska. 2025. ***THE EFFECT OF QUESTIONING, ORGANIZING, DOING, AND EVALUATING (QODE) LEARNING MODEL USING BLOOKET MEDIA ON STUDENTS' SCIENCE PROCESS SKILLS ON MECHANICAL WAVE MATERIAL***

This research is motivated by the low science process skills of students in the topic of mechanical waves. The effort made by the researcher to address this issue is by implementing the Questioning, Organizing, Doing, and Evaluating (QODE) learning model assisted by the Blooket media. The purpose of this study is to determine the effect of the QODE learning model assisted by Blooket media on science process skills. The research method used is a quasi-experiment with a posttest-only control group design. The population of this study consists of 7 classes of XI MIPA at SMA Negeri 1 Cihaurbeuti, totaling 252 students. The sample was taken using cluster random sampling technique, consisting of 2 classes: XI MIPA 5 as the experimental class and XI MIPA 6 as the control class. To measure the science process skills of the students, a posttest in the form of multiple-choice questions consisting of 29 items covering the indicators of science process skills was administered after the treatment. Based on the hypothesis test using the t-test at a significance level of ($\alpha = 0.05$), the results showed that $t_{\text{statistic}} > t_{\text{table}}$ namely $3,850 > 1,994$, thus H_0 is rejected and H_a is accepted. This means that at a 95% confidence level, it can be concluded that there is an effect of the QODE learning model on the science process skills of students in the topic of mechanical waves in class XI at SMA Negeri 1 Cihaurbeuti for the 2024/2025 academic year.

Keywords: Blooket, Mechanical Waves, Science Process Skills, QODE Learning Model