

Wiwik Wardaniyah. 2019. Penerapan Model Pembelajaran *Problem Based Instruction* (PBI) terhadap Hasil Belajar Siswa Pada Materi Getaran, Gelombang dan Bunyi. Skripsi, Program Studi Pendidikan IPA, Fakultas Ilmu Pendidikan, Universitas Trunojoyo Madura. Pembimbing 1: Mochammad Ahied dan Pembimbing 2: Nur Qomaria.

ABSTRAK

Penelitian ini bertujuan untuk menerapkan model pembelajaran *problem based instruction* (PBI) terhadap hasil belajar siswa pada materi getaran, gelombang dan bunyi. Metode penelitian yang digunakan adalah *Quasi Experimen design* dengan *Nonequivalent Control Grup Design*. Penelitian ini dilaksanakan di SMP Negeri 2 Pademawu dengan populasi seluruh siswa kelas VIII. Sampel yang digunakan adalah kelas VIII-B dan VIII-C dengan teknik pengambilan sampel menggunakan *Sampling Purposive*. Teknik analisis data menggunakan uji *Kolmogorov -Smirnov* karena hasil data *posttest* terdistribusi normal. (1) Berdasarkan hasil uji tersebut diperoleh nilai signifikansi sebesar $0,00 > 0,05$ dengan hasil uji t sampel bebas – $t_{hitung} < t_{tabel} < t_{hitung}$ ($-3,399 < 1,67252 < 3,399$) maka H_0 ditolak dan H_1 diterima yang artinya ada pengaruh model pembelajaran *problem based instruction* (PBI) terhadap hasil belajar. (2) Hasil rata-rata nilai *posttest* kelas eksperimen 92,86 (3) Hasil presentase keterlaksanaan pembelajaran sebesar 99% dengan kriteria sangat baik. (4) Respons siswa terhadap model pembelajaran *problem based instruction* (PBI) terhadap hasil belajar siswa pernyataan positif adalah sebesar 44,64% kategori setuju dan pernyataan negatif sebesar 42,56% kategori tidak setuju.

Kata kunci: hasil belajar, model pembelajaran *Problem Based Instruction* (PBI), respons siswa.

Wiwik Wardaniyah. 2019. *Application of Problem Based Instruction (PBI) Learning Model to Student Learning Outcomes in Vibration, Wave and Sound Material*. Thesis, Science Education Study Program, Faculty of Education, University of Trunojoyo Madura. Advisor 1st: Mochammad Ahied and Advisor 2st: Nur Qomaria.

ABSTRACT

This study aims to apply the problem based instruction learning model (PBI) to student learning outcomes in the material of vibration, wave and sound. The research method used was Quasi Experiment design with Nonequivalent Control Group Design. This research was conducted at Pademawu 2 Public Middle School with a population of all class VIII students. The sample used was class VIII-B and VIII-C with the sampling technique using Purposive Sampling. The data analysis technique used the Kolmogorov-Smirnov test because the results of the posttest data were normally distributed. (1) Based on the results of the test obtained a significance value of $0.00 > 0.05$ with the results of the t-test sample free -thitung $< t_{table} < t_{hitung} (-3,399 < 1,67252 < 3,399)$ then H_0 is rejected and H_1 is accepted which means there was influence problem based instruction (PBI) learning model for learning outcomes. (2) The average score of the experimental class posttest score is 92.86 (3) The results of the learning implementation percentage are 99% with very good criteria. (4) The response of students to the instruction based problem learning model (PBI) on student learning outcomes of positive statements is 44.64% in the agreed category and negative statements at 42.56% in the disagree category.

Keywords: learning outcomes, Problem Based Instruction (PBI) learning model, student response.