

Puji Lestari. 2019. *Pengaruh Model Pembelajaran Problem Solving Dengan Metode Eksperimen Terhadap Kemampuan Pemecahan Masalah Siswa*. Skripsi, Program Studi Pendidikan IPA, Fakultas Ilmu Pendidikan IPA, Universitas Trunojoyo Madura. Pembimbing: Yunin Hidayati dan Wiwin Puspita Hadi.

ABSTRAK

Penelitian dilakukan untuk mengetahui pengaruh model pembelajaran *Problem Solving* dengan metode eksperimen terhadap kemampuan pemecahan masalah siswa. Penelitian menggunakan metode *Quasi Eksperimental Design* dengan teknik *Nonequivalent Control Group Design*. Penelitian dilaksanakan di Mts Negeri 4 Madiun dengan populasi siswa kelas VIII B dan VIII D Tahun Ajaran 2018/2019. Teknik pengambilan sampel menggunakan *purposive sampling*. Pengumpulan data penelitian menggunakan tes, observasi, angket, dan dokumentasi. Teknik analisis data menggunakan uji t sampel bebas. Hasil penelitian menunjukkan bahwa: (1) Ada perbedaan kemampuan pemecahan masalah siswa antara kelas eksperimen yang menggunakan model pembelajaran *Problem Solving* dengan metode eksperimen dengan kelas kontrol. Hasil tersebut menunjukkan nilai signifikansi sebesar $0,000 < 0,025$ dengan pengambilan keputusan $-t_{tabel} \leq t_{hitung} > t_{tabel}$ sehingga dituliskan $-13,72 \leq 20,42 > 13,72$ dengan kategori H_0 ditolak. (2) Kemampuan pemecahan masalah siswa setelah diterapkan model pembelajaran *Problem Solving* dengan metode eksperimen diperoleh rata – rata presentase *pretest* sebesar 26,83 kriteria kurang sekali, dan rata – rata presentase *posttest* sebesar 76,87 kriteria cukup baik. (3) Keterlaksanaan pembelajaran menggunakan model pembelajaran *Problem Solving* dengan metode eksperimen diperoleh rata – rata 93 % dengan kriteria sangat baik. (4) Respons siswa setelah diterapkan model pembelajaran *Problem Solving* dengan metode eksperimen sebesar 29,33% kategori sangat baik.

Kata kunci : kemampuan pemecahan masalah siswa, model pembelajaran *Problem Solving*

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ABSTRACT

The study was conducted to determine the effect of *Problem Solving* learning model with the experimental method on students' problem solving abilities. The study used *Quasi Experimental Design* method with the *Nonequivalent Control Group Design* technique. The research was conducted at Mts 4 Madiun with a population of students in class VIII B and VIII D Academic Year 2018/2019. The sampling technique uses purposive sampling. Data collection research uses tests, observations, questionnaires, and documentation. The data analysis technique uses the free sample t test. The results showed that: (1) There were differences in students' problem solving abilities between the experimental classes using the *Problem Solving* learning model and the experimental method with the control class. These results show a significance value of $0,000 < 0,025$ with decision-making $-t_{\text{tabel}} \leq t_{\text{hitung}} > t_{\text{tabel}}$ so that it is written $-13,72 \leq 20,42 > 13,72$ with the H_0 in rejected category. (2) Problem solving ability of students after applied *Problem Solving* learning model with the experimental method obtained by the average pretest percentage of 26,83 in less once criteria, and the average *posttest* percentage of 76,87 in quite good criteria. (3) The implementation of learning using the *Problem Solving* learning model with the experimental method obtained an average of 93% with very good criteria. (4) The response of students after applying the *Problem Solving* learning model with the experimental method is 29,33% in the excellent category.

Keywords: student problem solving abilities, Problem Solving learning model.