

**Wiwin, Fitriani. 2019. Penerapan Model *Means Ends Analysis* (MEA) terhadap Keterampilan Pemecahan Masalah. Skripsi, Program Studi Pendidikan IPA, Fakultas Ilmu Pendidikan, Universitas Trunojoyo Madura. Pembimbing I: Mochammad Ahied dan Pembimbing II: Wiwin Puspita Hadi.**

### **ABSTRAK**

Penelitian dilakukan untuk mengetahui penerapan model *Means Ends Analysis* (MEA) terhadap keterampilan pemecahan masalah. Penelitian menggunakan metode quasi eksperimen dengan desain *nonequivalent control group design* dan dilaksanakan di SMP Negeri 1 Menganti dengan populasi semua siswa kelas VIII 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 keterampilan pemecahan masalah kelas eksperimen yang menggunakan model *Means Ends Analysis* (MEA) dengan kelas kontrol. Hasil tersebut menunjukkan nilai signifikansi sebesar  $0,007 < 0,025$  dengan pengambilan keputusan  $-t_{hitung} < t_{tabel} < t_{hitung}$  sehingga dituliskan  $-2,833 < 2,007 < 2,833$  dengan kategori  $H_0$  ditolak. (2) Keterampilan pemecahan masalah siswa setelah diterapkan model *Means Ends Analysis* (MEA) diperoleh rata-rata sebesar 67,82% dengan kategori cukup (3) Respons siswa terhadap model pembelajaran *Means Ends Analysis* (MEA) siswa sangat setuju dengan persentase 64,81% (4) Keterlaksanaan pembelajaran menggunakan model MEA tergolong baik dengan persentase 96%

**Kata kunci:** Getaran gelombang dan bunyi, Keterampilan pemecahan masalah, Model *Means Ends Analysis* (MEA).

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## **ABSTRACT**

*The study was conducted to determine the application of the Means Ends Analysis (MEA) model to problem solving skills. The study used a quasi-experimental method with nonequivalent control group design and was implemented in SMP Negeri 1 Menganti with a population of all class VIII students in the 2018/2019 academic year. 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 the problem solving skills of the experimental class using the Means Ends Analysis (MEA) model with the control class. These results indicate a significance value of  $0.007 < 0.025$  with decision-making  $-t_{count} < t_{table} < t_{count}$  so that it is written  $-2,833 < 2,007 < 2,833$  with the  $H_0$  category rejected. (2) Students' problem solving skills after applying the Means Ends Analysis (MEA) model obtained an average of 67.82% with sufficient categories (3) Student responses to the Means Ends Analysis (MEA) learning model students strongly agreed with the percentage of 64.81 % (4) The implementation of learning using the MEA model is classified as good with a percentage of 96%.*

*Keywords: Vibrations wave and sound, Problem solving skills, Means Ends Analysis (MEA) model.*