

## ABSTRAK

Soraya, Findy. 2021. *Pengaruh Pendekatan Realistic Mathematic Education berbasis E-Learning Terhadap Hasil Belajar Matematika*. Skripsi. Program Studi Pendidikan Matematika. Fakultas Sains dan Teknologi. Universitas PGRI Adi Buana Surabaya, Pembimbing : Restu Ria Wantika, S.Pd., M.Si.

Kata kunci : *Realistic Mathematic Education, e-learning, Hasil Belajar Matematika*

Penelitian ini dilatar belakangi oleh kurangnya kemampuan peserta didik dalam menyelesaikan soal berbentuk cerita yang berkaitan dengan masalah sehari-hari. Salah satu cara untuk mengatasi permasalahan ini adalah dengan menggunakan pendekatan *Realistic Mathematic Education*. Penelitian ini dilaksanakan secara *e-learning* dikarenakan dilaksanakan pada masa pandemi covid-19. Tujuan penelitian ini adalah untuk mengetahui apakah terdapat pengaruh pendekatan *Realistic Mathematic Education* berbasis *e-learning* terhadap hasil belajar matematika. Penelitian ini menggunakan penelitian kuantitatif dengan metode penelitian eksperimen, yang dilaksanakan di SMA Negeri 1 Menganti pada tahun ajaran 2020/2021. Pemilihan sampel dilakukan dengan *purposive sampling*. Sampel pada penelitian ini kelas X IPA 1 sebagai kelas eksperimen dan kelas X IPA 2 sebagai kelas kontrol. Instrument penelitian yang digunakan adalah instrument tes hasil belajar berupa *Posttes Only* sebanyak 4 soal uraian dengan materi Sistem Pertidaksamaan Linear Dua Variabel. Uji analisis data pada penelitian ini menggunakan uji-t. Berdasarkan analisis data menunjukkan bahwa rata-rata hasil belajar matematika kelas eksperimen lebih tinggi daripada kelas kontrol dan hasil analisis data yang diperoleh  $t_{hitung} > t_{tabel}$  yaitu  $5,50 > 1,99$  Sehingga  $H_0$  ditolak yang berarti terdapat pengaruh pendekatan *Realistic Mathematic Education* berbasis *e-learning* terhadap hasil belajar matematika.

## ABSTRACT

Soraya, Findy. 2021. The Effect of E-Learning-based Realistic Mathematic Education Approach on Mathematics Learning Outcomes. Thesis. Mathematics Education Study Program. Faculty of Science and Technology. PGRI Adi Buana University Surabaya, Advisor: Restu Ria Wantika, S.Pd., M.Si.

Keywords: Realistic Mathematic Education, e-learning, Mathematics Learning Outcomes

This research is motivated by the lack of students' ability to solve problems in the form of stories related to everyday problems, as well as the difficulty of applying the lessons learned into everyday life, especially in mathematics learning. One way to overcome this problem is to use the Realistic Mathematic Education approach. This research was carried out by e-learning because it was carried out during the Covid-19 pandemic. The purpose of this study was to determine whether there is an effect of the e-learning-based Realistic Mathematic Education approach on mathematics learning outcomes. This research uses quantitative research with experimental research methods, which were carried out at SMA Negeri 1 Menganti in the 2020/2021 school year. The sample selection was carried out by purposive sampling. The sample in this study was class X IPA 1 as the experimental class and class X IPA 2 as the control class. The research instrument used was a learning outcome test instrument in the form of Post-Only 4 questions in essay with the material of Two Variable Linear Inequality Systems. Test data analysis in this study using the t-test. Based on data analysis, it shows that the average mathematics learning outcomes of the experimental class are higher than the control class and the results of data analysis obtained  $t$  count  $>$   $t$  table, namely  $5.50 > 1.99$  so that  $H_0$  is rejected, which means that there is an effect of the Realistic Mathematic Education based approach. e-learning on mathematics learning outcomes.