

Nadivatul Hasanah. 2025. *Penerapan Discovery Learning Berbantuan Liveworksheet untuk Meningkatkan Keterampilan Berpikir Kritis Siswa*. Skripsi, Progam Studi Pendidikan IPA, Fakultas Keguruan dan Ilmu Pendidikan, Universitas Trunojoyo Madura, Pembimbing: Try Hartiningsih.

ABSTRAK

Tujuan penelitian ini yaitu untuk mengetahui perbedaan hasil keterampilan berpikir kritis siswa pada kelas eksperimen dan kelas kontrol, mengetahui peningkatan keterampilan berpikir kritis siswa setelah menerapkan model *discovery learning* berbantuan *liveworksheet*, mengetahui keterlaksanaan penerapan model *discovery learning* berbantuan *liveworksheet* dalam meningkatkan keterampilan berpikir kritis siswa, mengetahui respons siswa setelah menggunakan model *discovery learning* berbantuan *liveworksheet*. Penelitian ini termasuk penelitian kuantitatif dengan metode *quasi eksperimental* dengan desain *non-equivalent group design*. Penelitian dilaksanakan di UPTD SMPN 4 Bangkalan. Populasi penelitian yaitu semua siswa kelas VII Tahun Ajaran 2024/2025. Pengambilan sampel menggunakan teknik *purposive sampling*. Sampel yang digunakan yaitu kelas VII-H sebagai kelas eksperimen dan kelas VII-G sebagai kelas kontrol. Teknik analisis data menggunakan uji t sampel bebas atau *independent sample t-test*. Hasil penelitian menunjukkan bahwa: 1) Ada perbedaan keterampilan berpikir kritis di kelas eksperimen dan kelas kontrol dengan signifikasi *posttest* sebesar 0,001 yang artinya kurang dari 0,05. 2) Peningkatan keterampilan berpikir kritis siswa setelah penerapan *discovery learning* berbantuan *liveworksheet* berada dalam kategori sedang yaitu dengan rata-rata skor *n-gain* sebesar 0,66. 3) Keterlaksanaan pembelajaran terlaksana dengan sangat baik dengan rata-rata persentase mencapai 98,33%. 4) Respons siswa menunjukkan baik dengan rata-rata skor mencapai 60,93%.

Kata kunci: *discovery learning*, keterampilan berpikir kritis, *liveworksheet*

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ABSTRACT

. The purpose of this study was to determine the differences in the results of students' critical thinking skills in the experimental class and the control class, to determine the increase in students' critical thinking skills after implementing the discovery learning model assisted by liveworksheets, to determine the implementation of the discovery learning model assisted by liveworksheets in improving students' critical thinking skills, to determine students' responses after using the discovery learning model assisted by liveworksheets. This study included quantitative research with a quasi-experimental method with a non-equivalent group design. The study was conducted at UPTD SMPN 4 Bangkalan. The study population was all seventh grade students of the 2024/2025 academic year. Sampling used a purposive sampling technique. The samples used were class VII-H as the experimental class and class VII-G as the control class. The data analysis technique used a free sample t-test. The results showed that: 1) There was a difference in critical thinking skills in the experimental class and the control class with a posttest significance of 0.001 which means less than 0.05. 2) The improvement of students' critical thinking skills after the implementation of discovery learning assisted by liveworksheets is in the moderate category, with an average n-gain score of 0.66. 3) The implementation of learning was carried out very well with an average percentage reaching 98.33%. 4) Student responses showed good results with an average score reaching 60.93%.

Keywords: *discovery learning, critical thinking skills, liveworksheets*