

Luluk Latifah. 2025. Pengaruh Model Pembelajaran *Discovery Learning* Berbantuan *Star Walk 2* Terhadap Keterampilan Berpikir Kritis Peserta Didik. Skripsi, Program Studi Pendidikan IPA, Fakultas Ilmu Pendidikan dan Keguruan, Universitas Trunojoyo Madura. Pembimbing: Mochammad Ahied.

ABSTRAK

Berpikir kritis adalah salah satu keterampilan berpikir yang perlu dikembangkan untuk menghadapi perkembangan dunia pendidikan. Keterampilan berpikir kritis dapat dikembangkan melalui model pembelajaran *discovery learning* dengan bantuan teknologi yaitu *Star Walk 2*. Model pembelajaran *discovery learning* berbantuan *Star Walk 2* diharapkan mampu meningkatkan keterampilan berpikir kritis peserta didik. Penelitian ini bertujuan untuk mengetahui peningkatan keterampilan berpikir kritis peserta didik setelah pembelajaran dengan model *discovery learning* berbantuan *Star Walk 2* pada materi bumi dan tata surya. Metode penelitian yang digunakan adalah quasi eksperimen dengan desain *Nonequivalent Control Group Design* pada kelas VII UPTD SMP Negeri 1 Socah Tahun Ajaran 2024/2025. Instrumen yang digunakan adalah tes keterampilan berpikir kritis baik pretest maupun posttest berupa esai dengan hasil validitas yaitu 10 soal valid dan reliabilitas sebesar 0.62 dengan kategori baik. Uji hipotesis yang digunakan adalah uji *Mann-Whitney U* dan uji analisis keterampilan berpikir kritis adalah uji *N-Gain Score*. Hasil penelitian menunjukkan bahwa keterlaksanaan model pembelajaran *discovery learning* berbantuan *Star Walk 2* berada dalam kategori sangat baik. Pembelajaran dengan model *discovery learning* berbantuan *Star Walk 2* berpengaruh terhadap keterampilan berpikir peserta didik. Peningkatan keterampilan pada kelas eksperimen dan kelas kontrol yaitu sama dalam kategori sedang. Angket respon peserta didik pada pembelajaran model *discovery learning* berbantuan *Star Walk 2* sangat baik. Kesimpulan penelitian ini yaitu pembelajaran model *discovery learning* berbantuan *Star Walk 2* menjadikan kelas interaktif dan meningkatkan keterampilan peserta didik.

Kata Kunci: Bumi dan Tata Surya, Berpikir Kritis, *Discovery Learning*, *Star Walk 2*

Luluk Latifah. 2025. *The Effect of Discovery Learning Model Assisted by Star Walk 2 on Students' Critical Thinking Skills*. Thesis, Science Education Study Program, Faculty of Education and Teacher Training, Trunojoyo University, Madura. Advisor: Mochammad Ahied.

ABSTRACT

Critical thinking is one of the thinking skills that need to be developed to face the development of the world of education. Critical thinking skills can be developed through the discovery learning model with the help of technology, namely Star Walk 2. The discovery learning model assisted by Star Walk 2 is expected to be able to improve students' critical thinking skills. This study aims to determine the increase in students' critical thinking skills after learning with the discovery learning model assisted by Star Walk 2 on the material of the earth and the solar system. The research method used was a quasi-experimental with a Nonequivalent Control Group Design in class VII UPTD SMP Negeri 1 Socah in the 2024/2025 Academic Year. The instrument used was a critical thinking skills test, both pretest and posttest in the form of an essay, with validity results of 10 valid questions and a reliability of 0.62 in the good category. The hypothesis test used was the Mnn-Whitney U test and the critical thinking skills analysis test was the N-Gain Score test. The results showed that the implementation of the discovery learning model assisted by Star Walk 2 was in the very good category. Learning with the discovery learning model assisted by Star Walk 2 had an effect on students' thinking skills. The increase in skills in the experimental class was more significant than in the control class. The student response questionnaire in the discovery learning model assisted by Star Walk 2 was very good. The conclusion of this study is that the discovery learning model assisted by Star Walk 2 makes the class interactive and improves students' skills.

Keywords: *Earth and Solar System, Critical Thinking, Discovery Learning, Star Walk 2*