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ABSTRAK

Penelitian ini bertujuan untuk mengembangkan media pembelajaran berupa *e-booklet* pada materi Bumi dan Tata Surya serta mengkaji pengaruhnya terhadap keterampilan berpikir kritis siswa SMP. Latar belakang penelitian ini didasari oleh rendahnya keterampilan berpikir kritis siswa dan masih minimnya pemanfaatan media pembelajaran interaktif disekolah, khususnya pada materi yang bersifat abstrak seperti sistem tata surya. Penelitian ini menggunakan metode *Research and Development* (RnD) dengan model pengembangan ADDIE (*Analysis, Design, Development, Implementation, and Evaluation*). Subjek penelitian meliputi lembar validasi ahli, angket keterbacaan, angket respons siswa, dan tes keterampilan berpikir kritis berdasarkan indikator Ennis. Hasil validasi *e-booklet* oleh ahli materi dan media menunjukkan tingkat kevalidan sangat tinggi, masing-masing sebesar 88,89% dan 88,75%. Tingkat keterbacaan media mencapai 93,06%, sedangkan respons siswa menunjukkan persentase sebesar 90,97% yang termasuk kategori sangat baik. Peningkatan keterampilan berpikir kritis siswa berdasarkan hasil tes *pretest* dan *posttest* menunjukkan nilai *N-Gain* sebesar 0,54 dengan kategori sedang. Dengan demikian, *e-booklet* yang dikembangkan dinyatakan valid, layak digunakan, dan dapat meningkatkan keterampilan berpikir kritis siswa pada materi Bumi dan Tata Surya.

Kata kunci: *e-booklet*, Bumi dan Tata Surya, keterampilan berpikir kritis, ADDIE, siswa SMP

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ABSTRACT

This study aims to develop a learning medium in the form of an e-booklet on the topic of Earth and Solar System and to examine its impact on students' critical thinking skills at the junior high school level. The background of this research is based on the low level of students' critical thinking skills and the limited use of interactive learning media in schools, especially for abstract topics such as the solar system. This research uses the Research and Development (RnD) method with the ADDIE model (Analysis, Design, Development, Implementation, and Evaluation). The research subjects were seventh-grade students at UPTD SMPN 4 Bangkalan. Research instruments included expert validation sheets, readability questionnaires, student response questionnaires, and critical thinking skill tests based on Ennis' indicators. The validation results from material and media experts showed very high validity level of 88,98% and 88,75%. Respectively. The media's readability reached 93,06%, while student responses indicated a score of 90,97%, categorized as very good. The improvement in student's critical thinking skills based on pretest and posttest result showed an N-Gain score 0,54, categorized as moderate. Therefore, the developed e-booklet is valid, feasible to use, and effective in enhancing students' critical thinking skills on the topic of Earth and the Solar System.

Keywords: e-booklet, earth and Solar System, critical thinking skill, ADDIE, junior high school students