

Sri Wulandari. 2025. *Pengembangan E – LKPD Berbasis Pendekatan Socio-Scientific Issue Konteks Mangrove untuk Meningkatkan Kemampuan Berpikir Kritis*. Skripsi, Program Studi Pendidikan IPA, Fakultas Keguruan dan Ilmu Pendidikan, Universitas Trunojoyo Madura. Pembimbing: Dwi Bagus Rendy Astid Putera.

ABSTRAK

Penelitian ini dilakukan dengan dasar karena kemampuan berpikir kritis peserta didik tergolong rendah dalam pembelajaran IPA. Salah satu cara untuk meningkatkan kemampuan berpikir kritis yaitu dengan menguntukkan bahan ajar *E – LKPD* berbasis pendekatan *socio-scientific issue* konteks *mangrove*. Penelitian ini dilakukan dengan tujuan untuk mengetahui kevalidan, peningkatan kemampuan berpikir kritis, dan respons siswa terhadap *E – LKPD* berbasis pendekatan *socio-scientific issue* konteks *mangrove*. Materi yang diuntukkan pada bahan ajar yang dikembangkan yaitu materi ekologi dan keanekaragaman hayati Indonesia kelas VII SMP/MTs. Penelitian ini merupakan jenis penelitian *R&D* dengan model pengembangan *ADDIE*. Subjek dalam penelitian ini yaitu peserta didik kelas VII-C SMPN 4 Kamal. Teknik analisis data yang diuntukkan yaitu analisis kevalidan, analisis peningkatan kemampuan berpikir kritis dan analisis respons siswa. Instrumen yang diuntukkan meliputi lembar validasi ahli media, lembar validasi ahli materi, tes kemampuan berpikir kritis, dan angket respons siswa. Berdasarkan hasil penelitian dapat disimpulkan bahwa: (1) Rata-rata kevalidan ahli media sebesar 93,75% dengan kriteria sangat valid, sedangkan rata-rata validitas ahli materi sebesar 93,75% dengan kriteria sangat valid (2) Hasil nilai *N-Gain* kemampuan berpikir kritis siswa sebesar 0,55 dengan kriteria sedang (3) Rata-rata hasil respons siswa terhadap bahan ajar *E – LKPD* berbasis pendekatan *socio-scientific issue* konteks *mangrove* sebesar 91,82% dengan kriteria sangat baik. Hal tersebut menunjukkan bahwa bahan ajar *E – LKPD* berbasis pendekatan *socio-scientific issue* konteks *mangrove* layak diuntukkan dalam pembelajaran dan dapat meningkatkan kemampuan berpikir kritis siswa.

Kata kunci: *E – LKPD*, Kemampuan Berpikir Kritis, *Mangrove*, *Socio-Scientific Issue*

Sri Wulandari. 2025. Development of Electronic student worksheets Based on the Socio-Scientific Issue Approach in the Mangrove Context to Improve Critical Thinking Skills. Thesis, Science Education Study Program, Faculty of Teacher Training and Education, Trunojoyo University, Madura. Advisor: Dwi Bagus Rendy Astid Putera.

ABSTRACT

This research was conducted on the basis that students' critical thinking skills are relatively low in science learning. One way to improve critical thinking skills is to use Electronic student worksheets teaching materials based on the socio-scientific issue approach in the mangrove context. This study was conducted with the aim of determining the validity, improvement of critical thinking skills, and students' responses to Electronic student worksheets based on the socio-scientific issue approach in the mangrove context. The material used in the teaching materials developed was the ecology and biodiversity of Indonesia for class VII SMP/MTs. This study is a type of R&D research with the ADDIE development model. The subjects in this study were class VII-C students of SMPN 4 Kamal. The data analysis techniques used were validity analysis, analysis of improving critical thinking skills, and analysis of student responses. The instruments used included media expert validation sheets, material expert validation sheets, critical thinking skills tests, and student response questionnaires. Based on the research results, it can be concluded that: (1) The average validity of media experts is 93.75% with very valid criteria, while the average validity of material experts is 93.75% with very valid criteria (2) The results of the N-Gain value of students' critical thinking skills are 0.55 with moderate criteria (3) The average results of students' responses to Electronic student worksheet teaching materials based on the socio-scientific issue approach in the mangrove context are 91.82% with very good criteria. This shows that Electronic student worksheets teaching materials based on the socio-scientific issue approach in the mangrove context are suitable for use in learning and can improve students' critical thinking skills.

Keywords: *Critical Thinking Skills, Electronic student worksheets, Mangrove, Socio-Scientific Issue,*