

ABSTRACT

Arfina Litafuljanah Sunarko. 2025. Development of E-LKPD with a Contextual Approach to Improve Students' Critical Thinking on PLSV Material at SMPN 2 Madiun. Thesis, Mathematics Education Study Program, Faculty of Teacher Training and Education, Universitas PGRI Madiun. Supervisors: (I) Tri Andari, M.Pd. (II) Indra Puji Astuti, M.Pd.

This research is motivated by the low critical thinking skills of seventh grade students. This low ability indicates the need to develop teaching materials that help students hone their critical thinking skills. This study aims to determine the validity, practicality, and effectiveness of the development of E-LKPD with a contextual approach on the One Variable Linear Equation (PLSV) material. This research was conducted at SMPN 2 Madiun, using the Research and Development (R&D) research method with the 4D development model, namely Define, Design, Develop, and Disseminate. The subjects in this study were 32 students of grade VII A. The sampling technique in this study was purposive sampling. The instruments used were validation sheets, student response questionnaires, and learning outcome test questions. Data collection techniques used included observation, interviews, questionnaires, and learning outcome tests to measure the effectiveness of E-LKPD. The results of the study showed that: The developed E-LKPD met the very valid criteria with a percentage of 89.81%, the E-LKPD met the very practical criteria with a percentage of 88.21%, the E-LKPD met the effective criteria based on the achievement of student scores that met the completion criteria, with a percentage of 78.30% of the total overall score, and was able to improve students' critical thinking skills, which was shown by an increase in the average percentage of interpretation indicators of 87.00%, analysis of 86.84%, evaluation of 87.16%, and reference of 87.16%. Based on the results of the study, it can be concluded that the E-LKPD with a contextual approach to PLSV material at SMPN 2 Madiun met the valid, practical, and effective criteria and could improve critical thinking so that it was suitable for use in the learning process.

Keywords: Critical thinking, E-LKPD, Contextual, PLSV

ABSTRAK

Arfina Litafuljanah Sunarko. 2025. Pengembangan E-LKPD dengan Pendekatan Kontekstual untuk Meningkatkan Berpikir Kritis Siswa pada Materi PLSV di SMPN 2 Madiun. Skripsi Program Studi Pendidikan Matematika, FKIP, Universitas PGRI Madiun. Pembimbing (I) Tri Andari, M.Pd. (II) Indra Puji Astuti, M.Pd.

Penelitian ini dilatarbelakangi oleh rendahnya kemampuan berpikir kritis siswa kelas VII. Rendahnya kemampuan ini menunjukkan perlunya pengembangan bahan ajar yang membantu siswa dalam mengasah kemampuan berpikir kritis. Penelitian ini bertujuan untuk mengetahui kevalidan, kepraktisan, dan keefektifan pengembangan E-LKPD dengan pendekatan kontekstual pada materi Persamaan Linier Satu Variabel (PLSV). Penelitian ini dilaksanakan di SMPN 2 Madiun, menggunakan metode penelitian *Research and Development* (R&D) dengan model pengembangan 4D yaitu *Define, Design, Develop, dan Disseminate*. Subjek dalam penelitian ini yaitu 32 siswa kelas VII A. Teknik pengambilan sampel dalam penelitian ini adalah *purposive sampling*. Instrumen yang digunakan adalah lembar validasi, angket respon siswa, dan soal tes hasil belajar. Teknik pengumpulan data yang digunakan meliputi observasi, wawancara, angket dan tes hasil belajar untuk mengukur keefektifan E-LKPD. Hasil penelitian menunjukkan bahwa: E-LKPD yang dikembangkan memenuhi kriteria sangat valid dengan presentase sebesar 89,81%, E-LKPD memenuhi kriteria sangat praktis dengan presentase sebesar 88,21%, E-LKPD memenuhi kriteria efektif berdasarkan capaian nilai siswa yang memenuhi kriteria ketuntasan, dengan presentase sebesar 78,30% terhadap total nilai keseluruhan, serta mampu meningkatkan kemampuan berpikir kritis siswa, yang ditunjukkan melalui peningkatan presentase rata-rata indikator interpretasi 87,00%, analisis 86,84%, evaluasi 87,16%, dan referensi 87,16%. Berdasarkan hasil penelitian tersebut dapat disimpulkan bahwa E-LKPD dengan pendekatan kontekstual pada materi PLSV di SMPN 2 Madiun memenuhi kriteria valid, praktis, dan efektif serta dapat meningkatkan berpikir kritis sehingga layak digunakan dalam proses pembelajaran.

Kata Kunci: Berpikir kritis, E-LKPD, Kontekstual, PLSV