

## ABSTRAK

Meilisa, Dita. 2025. *Pengembangan E-LKPD Berbasis Discovery Learning Berdasarkan Kesiapan Belajar Peserta Didik pada Materi Sistem Persamaan Linear Dua Variabel*. Skripsi. Program Studi Pendidikan Matematika, Fakultas Keguruan dan Ilmu Pendidikan, Universitas Maritim Raja Ali Haji. Pembimbing I: Nur Asma Riani Siregar, S.Pd., M.Pd. Pembimbing II: Nurul Hilda Syani Putri, S.Pd., M.Si.

**Kata Kunci: Pengembangan, E-LKPD, Discovery Learning, Kesiapan Belajar, Sistem Persamaan Linear Dua Variabel.**

Penelitian ini dilatarbelakangi oleh kurangnya bahan ajar yang digunakan pendidik dalam mendukung pembelajaran berdiferensiasi yang memperhatikan kesiapan belajar peserta didik. Penelitian ini bertujuan untuk menghasilkan bahan ajar berupa E-LKPD berbasis *discovery learning* berdasarkan kesiapan belajar peserta didik pada materi sistem persamaan linear dua variabel yang valid, praktis, dan efektif. Penelitian ini merupakan jenis penelitian Research and development (R&D) yang mengacu pada model ADDIE. Adapun subjek uji coba pada penelitian ini ialah peserta didik kelas VIII A SMP Negeri 2 Bintan. Instrumen pengumpulan data pada penelitian ini adalah lembar wawancara, lembar angket validasi dan instrumen efektivitas. Teknis analisis data yang digunakan ialah analisis kualitatif dan kuantitatif. Hasil penelitian menunjukkan bahwa E-LKPD yang dikembangkan memenuhi kriteria kevalidan dengan persentase rata-rata 92,67% (sangat valid), kepraktisan dengan persentase rata-rata 91,5% (sangat praktis), dan keefektifan dengan persentase ketuntasan belajar 67% (efektif). E-LKPD berhasil memfasilitasi pembelajaran berdiferensiasi berdasarkan kesiapan belajar peserta didik dan membantu peserta didik mencapai tujuan pembelajaran pada materi sistem persamaan linear dua variabel.

## ABSTRACT

Meilisa, Dita. 2025. *Development of Discovery Learning-Based E-LKPD Based on Students' Learning Readiness on the Material of Two-Variable Linear Equation Systems*. Thesis. Mathematics Education Study Program, Faculty of Teacher Training and Education, Raja Ali Haji Maritime University. Advisor I: Nur Asma Riani Siregar, S.Pd., M.Pd. Advisor II: Nurul Hilda Syani Putri, S.Pd., M.Si.

**Keyword: Development, E-LKPD, Discovery Learning, Learning Readiness, Two-Variable Linear Equation System.**

This research is motivated by the lack of teaching materials used by educators to support differentiated learning that pays attention to students' learning readiness. This study aims to produce teaching materials in the form of E-LKPD based on discovery learning based on students' learning readiness on the material of two-variable linear equation systems that are valid, practical, and effective. This research is a type of Research and Development (R&D) research that refers to the ADDIE model. The subjects of this study were students of class VIII A of SMP Negeri 2 Bintan. The data collection instruments in this study were interview sheets, validation questionnaire sheets and effectiveness instruments. The data analysis techniques used were qualitative and quantitative analysis. The results showed that the developed E-LKPD met the criteria for validity with an average percentage of 92.67% (very valid), practicality with an average percentage of 91.5% (very practical), and effectiveness with a learning completion percentage of 67% (effective). E-LKPD successfully facilitated differentiated learning based on students' learning readiness and helped students achieve learning objectives on the material of two-variable linear equation systems.