ABSTRAK

Avindra Pradevipti. 2025. Penerapan Metode *ADDIE* Pada Sistem Peminjaman BPKB Kendaraan Dinas Kota Madiun Berbasis *Website*. Skripsi. Program Studi Teknik Informatika, FT, Universitas PGRI Madiun. Pembimbing (I) Slamet Riyanto, S.T., M.M (II) Juwari, S.Kom., M.Kom.

Proses peminjaman BPKB kendaraan dinas di BKAD Kota Madiun masih dilakukan secara *offline*, sehingga sering terjadi keterlambatan, kesalahan pencatatan, dan kesulitan dalam pelacakan dokumen. Untuk mengatasi hal tersebut, dikembangkan sistem informasi peminjaman BPKB berbasis *website* yang bertujuan mempermudah proses pengajuan, pengelolaan, dan pengarsipan dokumen secara digital. Sistem ini dibangun menggunakan *framework Laravel* dan *database MySQL*, serta dikembangkan dengan metode *ADDIE* yang terdiri dari lima tahap: *Analysis, Design, Development, Implementation, dan Evaluation*. Perancangan dilakukan menggunakan alat bantu *UML*, sedangkan pengujian dilakukan dengan metode *TRI (Technology Readiness Index).* Hasilnya, sistem ini mampu meningkatkan efisiensi, transparansi, dan akurasi dalam pengelolaan peminjaman BPKB di lingkungan BKAD Kota Madiun.

Kata kunci: Sistem Peminjaman, *TRI, Laravel, ADDIE, UML, Website*

ABSTRACT

Avindra Pradevipti. 2025. *The Implementation of the ADDIE Method in the Web-Based Official Vehicle BPKB Borrowing System at BKAD Kota Madiun*. Undergraduate Thesis. Informatics Engineering Study Program, Faculty of Engineering, Universitas PGRI Madiun. Advisors: (I) Slamet Riyanto, S.T., M.M (II) Juwari, S.Kom., M.Kom.

The borrowing process of official vehicle BPKB documents at the Regional Financial and Asset Agency (BKAD) of Kota Madiun is still conducted manually, which often results in delays, recording errors, and difficulties in document tracking. To overcome these challenges, a web-based BPKB borrowing information system was developed to facilitate the digital submission, management, and archiving of borrowing records. The system was built using the Laravel framework and MySQL database, and developed through the ADDIE model, comprising five structured stages: Analysis, Design, Development, Implementation, and Evaluation. The system design utilized UML tools for modeling, while the system testing employed the Technology Readiness Index (TRI) method to assess user readiness across four dimensions: optimism, innovativeness, discomfort, and insecurity. The implementation of this system has demonstrated significant improvements in efficiency, transparency, and accuracy in managing BPKB borrowings within BKAD Kota Madiun.

Keywords: Borrowing System, *TRI, Laravel, ADDIE, UML, Website*