

ABSTRAK

Muhammad Fajar Apriliansyah. 2026. Rancang Bangun Sistem Informasi Profil Desa Warurejo Berbasis *Web* Sebagai Media Layanan Publik. Skripsi. Program Studi Teknik Informatika, FT, Universitas PGRI Madiun. Pembimbing (I) Erny Untari, S.Pd., M.Pd. (II) Fatim Nugrahanti, S.T., M.T.

Desa Warurejo belum memiliki sistem informasi digital terintegrasi sebagai media publikasi resmi sehingga penyebaran informasi masih bergantung pada grup *Whatsapp*, akses dokumen publik seperti APBDes, RPJMDes, dan RKPDes masih terbatas, serta belum tersedia forum pengaduan masyarakat dan tanya jawab publik yang terpusat. Kondisi tersebut menyebabkan penyebaran informasi kurang efektif dan partisipasi masyarakat dalam layanan publik belum optimal. Penelitian ini bertujuan merancang dan membangun Sistem Informasi Profil Desa Warurejo berbasis *web* sebagai media layanan publik, mengimplementasikan framework *Laravel*, serta mengevaluasi kelayakan sistem menggunakan *Black Box Testing* dan *User Acceptance Testing* (UAT). Penelitian menggunakan metode Prototype yang meliputi tahapan *Communication*, *Quick Plan*, *Modeling Quick Design*, *Construction of Prototype*, serta *Deployment, Delivery and Feedback*. Sistem dikembangkan menggunakan *Laravel 12* dengan arsitektur *Model-View-Controller* (MVC), bahasa pemrograman PHP, dan basis data MySQL, serta menyediakan delapan fitur utama, yaitu Profil Desa, Berita Desa, Potensi Desa, Dokumentasi Desa, Transparansi APBDes, RPJMDes, RKPDes, serta Forum Pengaduan Masyarakat dan Tanya Jawab Publik. Hasil pengujian *Black Box Testing* terhadap 60 kasus uji menghasilkan tingkat keberhasilan 83,33%, di mana 50 kasus uji dinyatakan valid sesuai hasil yang diharapkan. Sementara itu, hasil UAT yang melibatkan 27 responden memperoleh nilai rata-rata 91,41% dengan kategori Sangat Baik, sehingga sistem dinyatakan layak diimplementasikan sebagai media layanan publik Desa Warurejo.

Kata Kunci: Sistem Informasi Desa, *Laravel*, *Prototype*, *Black Box Testing*, *User Acceptance Testing*

ABSTRACT

Muhammad Fajar Apriliansyah. 2026. *Web-Based Village Profile Information System of Warurejo Village as a Public Service Media*. Thesis. Informatics Engineering Study Program, Faculty of Engineering, Universitas PGRI Madiun. Advisor (I) Erny Untari, S.Pd., M.Pd. Co-Advisor (II) Fatim Nugrahanti, S.T., M.T.

Warurejo Village does not yet have an integrated digital information system as an official medium for disseminating village information. As a result, information dissemination still relies on Whatsapp groups, public access to documents such as the Village Revenue and Expenditure Budget (APBDes), Village Medium-Term Development Plan (RPJMDes), and Village Government Work Plan (RKPDDes) remains limited, and there is no centralized platform for public complaints and public inquiries. These conditions reduce the effectiveness of information dissemination and limit community participation in public services. This study aims to design and develop a web-based Warurejo Village Profile Information System as a public service platform, implement the Laravel framework in its development, and evaluate the system's feasibility using Black Box Testing and User Acceptance Testing (UAT). The system was developed using the Prototype method, which consists of the Communication, Quick Plan, Modeling Quick Design, Construction of Prototype, and Deployment, Delivery and Feedback phases. The application was built using Laravel 12 with the Model-View-Controller (MVC) architecture, PHP programming language, and MySQL database management system. It provides eight main features: Village Profile, Village News, Village Potentials, Village Documentation, APBDes Transparency, RPJMDes Transparency, RKPDDes Transparency, and a Public Complaint and Public Question-and-Answer Forum. Black Box Testing achieved an 83.33% success rate, with 50 out of 60 test cases declared valid. Furthermore, the UAT results involving 27 respondents obtained an average score of 91.41%, which falls into the Very Good category. Therefore, the system is considered feasible to be implemented as the official public service platform for Warurejo Village.

Keywords: *Information System, Village Profile, Public Services, Laravel, Prototype Method, Black Box Testing, User Acceptance Testing.*