

INTISARI

Penelitian ini berjudul “Perancangan Sistem Pelayanan Surat Keterangan Desa Berbasis *Website* Menggunakan *Framework* Next.js (Studi Kasus: Desa Singopuran)”. Latar belakang penelitian ini adalah masih terbatasnya pelayanan surat keterangan di Desa Singopuran yang dilakukan secara manual, sehingga menimbulkan kendala dalam efisiensi, akurasi, dan kecepatan pelayanan administrasi. Tujuan dari penelitian ini adalah merancang sistem berbasis *website* yang dapat mempermudah masyarakat dalam pengajuan surat keterangan sekaligus membantu aparatur desa dalam proses verifikasi dan pengarsipan. Metode penelitian menggunakan pendekatan perancangan sistem berbasis kerangka kerja Next.js dengan tahapan pengumpulan data melalui wawancara dan observasi, analisis kebutuhan menggunakan metode PIECES, serta evaluasi sistem menggunakan metode *User Acceptance Test* (UAT). Sistem yang dirancang menyediakan fitur utama berupa pengajuan surat keterangan secara *online*, manajemen data pemohon, verifikasi oleh aparatur desa, serta pencetakan surat yang terintegrasi. Hasil penelitian menunjukkan bahwa sistem ini mampu meningkatkan efektivitas dan efisiensi pelayanan surat keterangan desa. Berdasarkan hasil UAT, sistem memperoleh tingkat penerimaan yang baik dari pengguna dengan nilai rata-rata 70,44% pada masyarakat dan 77,5% pada aparatur desa, yang berarti sistem layak digunakan. Dengan adanya sistem ini, dapat membantu efektifitas pelayanan surat keterangan desa.

Kata kunci: Sistem Informasi Desa, Surat Keterangan, Next.js, PIECES, *User Acceptance Testing*.

ABSTRACT

This research is entitled "Design of a Web-Based Village Certificate Service System Using the Next.js Framework (Case Study: Singopuran Village)." The background of this study is the persistent limitations of the certificate services in Singopuran Village, which are still conducted manually. This manual process leads to challenges in administrative efficiency, accuracy, and speed. The objective of this research is to design a web-based system that can facilitate the community in applying for certificates while simultaneously assisting village officials in the verification and archiving processes. The research methodology employs a system design approach based on the Next.js framework. The stages include data collection through interviews and observation, needs analysis using the PIECES framework, and system evaluation using the User Acceptance Test (UAT) method. The designed system provides main features such as online certificate application, applicant data management, verification by village aparatur desas, and integrated document printing. The results indicate that this system is capable of enhancing the effectiveness and efficiency of village certificate services. Based on the UAT results, the system achieved a favorable acceptance level among users, with an average score of 70.44% from the community and 77.5% from village aparatur desas, signifying that the system is feasible for use. The implementation of this system can contribute to the effectiveness of village certificate services.

Keyword: Village Information System, Certificate Letter, Next.js, PIECES, User Acceptance Testing.