

ABSTRACT

Dimas Bayu Pradityas

***Web-Based Posyandu Information System for Registration and Health Service Reporting
in Tegal Sari Village, OKU Timur***

This study aims to design and develop a web-based Posyandu Information System as an effort to modernize administrative and community health services at the Posyandu. The main problem encountered is the continued use of manual recording, which causes difficulties in managing participant data, medical records, activities, and information dissemination.

The research methods used include observation, interviews, and literature study. The system design applies the Unified Modeling Language (UML) approach, including Use Case, Activity, Sequence, and Entity Relationship Diagram (ERD) diagrams. The system was developed using the Laravel framework with a MySQL database, while Black Box Testing was used to ensure that the system functions met user requirements.

The implementation results show that the system can facilitate online participant registration, computerized medical record management, Posyandu activity organization, and digital information delivery. The system is proven to be more efficient, accurate, and user-friendly compared to manual methods. Therefore, the Digital Posyandu Application can support improvements in the quality of community health services at the village level.

Keywords: *Information System, Posyandu, Laravel, Medical Record, Digital Administration.*

ABSTRAK

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Sistem Informasi Posyandu Berbasis Web Untuk Pendaftaran Dan Pelaporan Layanan Kesehatan Di Desa Tegal Sari Oku Timur

Penelitian ini bertujuan untuk merancang dan membangun Sistem Informasi Posyandu Digital berbasis web sebagai upaya modernisasi layanan administrasi dan kesehatan masyarakat di Posyandu. Permasalahan utama yang dihadapi adalah masih digunakannya pencatatan manual, sehingga menimbulkan kendala dalam pengelolaan data peserta, rekam medis, kegiatan, serta penyampaian informasi.

Metode penelitian yang digunakan meliputi observasi, wawancara, dan studi pustaka. Perancangan sistem dilakukan dengan menggunakan diagram UML (*Use Case*, *Activity*, *Sequence*, dan ERD), sedangkan pengembangan sistem memanfaatkan framework Laravel dengan basis data MySQL. Pengujian dilakukan menggunakan metode Black Box Testing untuk memastikan kesesuaian fungsi sistem dengan kebutuhan pengguna.

Hasil implementasi menunjukkan bahwa sistem mampu memfasilitasi pendaftaran peserta secara daring, pencatatan rekam medis terkomputerisasi, pengelolaan kegiatan Posyandu, serta fitur pengiriman pesan informasi. Sistem ini dinilai lebih efisien, akurat, dan mudah digunakan dibandingkan metode manual. Dengan demikian, aplikasi Posyandu Digital dapat mendukung peningkatan kualitas layanan kesehatan masyarakat di tingkat desa.

Kata Kunci: Sistem Informasi, Posyandu, Laravel, Rekam Medis, Administrasi Digital.