

**PENERAPAN SISTEM PERANCANGAN MODUL LAPORAN  
POSYANDU ANAK BERBASIS WEB**  
(Studi Kasus: Posyandu Tunas Mekar Desa Bodon Kelurahan Jagalan)

Muhammad Ziven Ramdhan, Murti Retnowo, S.Kom., M.Cs.

Abstrak

Perkembangan teknologi informasi telah mendorong berbagai layanan kesehatan masyarakat, termasuk Posyandu, untuk mulai beralih dari sistem manual ke sistem digital berbasis web. Namun, Posyandu Tunas Mekar di Dusun Bodon, Desa Jagalan, masih mengelola data kegiatan seperti pencatatan kunjungan anak, penimbangan, dan imunisasi secara manual menggunakan buku catatan. Hal ini menimbulkan sejumlah permasalahan seperti keterlambatan pelaporan, risiko kehilangan data, dan kurangnya akurasi dalam pemantauan tumbuh kembang anak. Untuk mengatasi permasalahan tersebut, penelitian ini bertujuan mengimplementasikan sistem perancangan modul laporan Posyandu Anak berbasis web yang dapat mempermudah pengelolaan data dan pelaporan secara real-time. Sistem dikembangkan melalui tahapan identifikasi masalah, pengumpulan data, perancangan, implementasi, dan pengujian. Teknologi yang digunakan dalam pengembangan sistem meliputi PHP, MySQL, Bootstrap, serta Visual Studio Code sebagai editor. Sistem diuji menggunakan metode Blackbox Testing untuk memastikan fungsionalitas berjalan sesuai harapan, dan User Acceptance Testing (UAT) dengan skala Likert untuk menilai tingkat kepuasan pengguna. Hasil pengujian menunjukkan bahwa seluruh fungsi sistem berjalan dengan baik dengan tingkat kepuasan pengguna sebesar 92,33%. Dengan demikian, sistem ini terbukti mampu meningkatkan efisiensi operasional, mengurangi beban administrasi, serta mempermudah pelaporan dan pemantauan tumbuh kembang anak di Posyandu Tunas Mekar.

**Kata Kunci:** Posyandu Anak, Sistem Informasi, Web, UAT, Tumbuh Kembang Anak

# **APPLYING WEB-BASED CHILD POSYANDU REPORTING MODULE SYSTEM**

**(Case Study: Posyandu Tunas Mekar Village, Bodon subdistrict, Jagalan)**

## **ABSTRACT**

The advancement of information technology has prompted various public health services, including Integrated Health Posts (Posyandu), to transition from manual systems to web-based digital platforms. However, the Tunas Mekar Posyandu in Bodon Hamlet, Jagalan Village, continues to manually manage activity data—such as recording child visits, weighing, and immunizations—using notebooks. This practice leads to several challenges, including delayed reporting, the risk of data loss, and a lack of accuracy in monitoring child growth and development. To address these issues, this study aims to develop a web-based reporting module design system for Posyandu Anak, which can enhance data management and enable real-time reporting. The system was developed through several stages, including problem identification, data collection, design, implementation, and testing. The technologies utilized in the system development process comprise PHP, MySQL, Bootstrap, and Visual Studio Code as the integrated development environment. The system underwent testing using the Black Box Testing method to ensure that all functionalities operate as intended, along with User Acceptance Testing (UAT), which employed a Likert scale to evaluate user satisfaction. The test results indicated that all system functions performed effectively, achieving a user satisfaction level of 92.33%. Consequently, this system has demonstrated its effectiveness in enhancing operational efficiency, alleviating administrative burdens, and streamlining the reporting and monitoring of child growth and development at the Tunas Mekar Integrated Health Post (Posyandu).

**Keywords:** Posyandu Anak, Information System, Web, UAT, Child Growth and Development