

HASNA NAFLA AQILAH, 23.120.0013

**IMPLEMENTASI SISTEM INFORMASI MONITORING SATKER
BERBASIS WEB (SIMPEL) SEBAGAI TEKNOLOGI TEPAT GUNA DI
KANTOR PELAYANAN PERBENDAHARAAN NEGARA KOTA
PEKALONGAN,**

dibawah bimbingan Eko Budi Susanto, M.Kom. dan Widiyono, M.Kom.

ix + 38 halaman/ 29 gambar / 2 tabel / lampiran / 12 pustaka

ABSTRAK

Pengelolaan monitoring penggunaan Digipay pada satuan kerja (satker) di KPPN Pekalongan sebelumnya dilakukan secara manual menggunakan Microsoft Excel sehingga proses rekapitulasi, perhitungan capaian, pencarian data, dan penyusunan laporan memerlukan waktu yang cukup lama serta berisiko menimbulkan kesalahan pengolahan data. Berdasarkan hasil observasi dan wawancara, sekitar 80% proses monitoring masih bergantung pada pengolahan manual dan penggunaan beberapa aplikasi secara terpisah. Sebagai solusi Teknologi Tepat Guna, diimplementasikan Sistem Informasi Monitoring Satker (SIMPEL) berbasis web untuk mendukung pengelolaan data satker, pencatatan transaksi Digipay, perhitungan capaian otomatis, penyajian dashboard monitoring, serta penyimpanan histori data secara terpusat. Metode yang digunakan meliputi observasi, wawancara, perencanaan sistem, implementasi, dan pengujian menggunakan Black Box Testing serta User Acceptance Test (UAT). Hasil implementasi menunjukkan SIMPEL mampu mempercepat proses monitoring, meningkatkan akurasi pengolahan data, mempermudah pencarian informasi, serta mendukung penyusunan laporan dan evaluasi penggunaan Digipay secara lebih efektif. Sistem juga membantu mengurangi ketergantungan terhadap file Excel sehingga proses monitoring menjadi lebih terstruktur, efisien, dan terdokumentasi dengan baik.

Kata kunci: monitoring satker, Digipay, sistem informasi, website, teknologi tepat guna.

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**IMPLEMENTATION OF A WEB-BASED MONITORING SATKER
INFORMATION SYSTEM (SIMPEL) AS APPROPRIATE TECHNOLOGY
AT KANTOR PELAYANAN PERBENDAHARAAN NEGARA (KPPN)
PEKALONGAN,**

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/ 29 figures / 2 tables / appendices / 12 references*

ABSTRACT

The monitoring process of Digipay utilization by government work units (satker) at the Pekalongan State Treasury Service Office (KPPN Pekalongan) was previously conducted manually using Microsoft Excel. Data recapitulation, achievement calculations, information retrieval, and report preparation required considerable time and were prone to data processing errors. Based on observations and interviews, approximately 80% of monitoring activities still relied on manual processing and the use of multiple separate applications. As an Appropriate Technology solution, a web-based Work Unit Monitoring Information System (SIMPEL) was implemented to support work unit data management, Digipay transaction recording, automatic achievement calculations, monitoring dashboards, and centralized historical data storage. The implementation method included observation, interviews, system planning, implementation, and testing using Black Box Testing and User Acceptance Testing (UAT). The results showed that SIMPEL improved monitoring efficiency, increased data processing accuracy, simplified information retrieval, and supported more effective reporting and evaluation of Digipay utilization. The system also reduced dependence on Microsoft Excel, making the monitoring process more structured, efficient, and well documented.

Keywords: work unit monitoring, Digipay, information system, website, appropriate technology.