

ABSTRAK

PENGEMBANGAN SISTEM MANAJEMEN ATK BERBASIS *WEBSITE* DI PT ANGKASA PURA INDONESIA KC BANDARA RADIN INTEN II MENGUNAKAN *FRAMEWORK LARAVEL*

Oleh

ANNISYA RIANITA RAUDATULJANNAH

Perkembangan teknologi informasi dan komunikasi telah mendorong perusahaan untuk mengoptimalkan sistem administrasi, termasuk dalam pengelolaan alat tulis kantor (ATK) untuk mendukung proses distribusi dan pemantauan ATK. Penelitian ini mengembangkan sistem manajemen ATK di PT Angkasa Pura Indonesia Kantor Cabang Bandara Radin Inten II dengan menambahkan fitur-fitur baru, antara lain pendaftaran akun staff berdasarkan unit kerja, notifikasi email status permohonan ATK, informasi stok minimum, unggah foto lampiran berita acara, serta peningkatan responsivitas antarmuka. Pengembangan dilakukan menggunakan *framework Laravel* dan metode *Rapid Application Development* (RAD) melalui dua iterasi selama 126 hari. Hasil pengujian *Blackbox Testing* terhadap 36 skenario dengan 76 *test case* menunjukkan tingkat keberhasilan 100%, yang membuktikan bahwa sistem telah berfungsi secara optimal. Sedangkan pada pengujian *User Experience Questionnaire* (UEQ) yang melibatkan 20 responden menghasilkan kategori “*Excellent*” pada seluruh skala dengan nilai rata-rata 2,31 pada skala daya tarik, rata-rata 2,34 pada skala kejelasan, rata-rata 2,35 pada skala efisiensi, rata-rata 2,28 pada skala ketepatan, rata-rata 2,09 pada skala stimulasi, dan nilai rata-rata 2,19 pada skala kebaruan sehingga sistem yang dikembangkan dinilai layak dan efektif dalam meningkatkan efisiensi serta kemudahan pengelolaan ATK di PT Angkasa Pura Indonesia KC Bandara Radin Inten II.

Kata kunci : *Blackbox Testing*, *Laravel*, *Rapid Application Development* (RAD), Sistem Manajemen ATK, *User Experience Questionnaire* (UEQ).

ABSTRACT

DEVELOPMENT OF A WEB-BASED OFFICE SUPPLIES MANAGEMENT SYSTEM AT PT ANGKASA PURA INDONESIA RADIN INTEN II AIRPORT USING LARAVEL FRAMEWORK

By

ANNISYA RIAN TA RAUDATULJANNAH

The advancement of information and communication technology has driven companies to enhance administrative systems, including the management of office supplies (ATK), to improve distribution and monitoring processes. This research develops the office supplies management system at PT Angkasa Pura Indonesia, Radin Inten II Airport Branch Office, by adding features such as staff registration based on work units, email notifications for request status, minimum stock information, photo uploads for report attachments, and improved interface responsiveness. The system was developed using the Laravel framework and the Rapid Application Development (RAD) method through two iterations over a period of 126 days. Functional testing using the Blackbox Testing method on 36 scenarios with 76 test cases achieved a 100% success rate, and user experience testing using the User Experience Questionnaire (UEQ) with 20 respondents resulted in an “Excellent” category across all scales, with an average score of 2.31 on attractiveness, 2.34 on perspicuity, 2.35 on efficiency, 2.28 on dependability, 2.09 on stimulation, and 2.19 on novelty. These results indicate that the developed system is feasible and effective in improving efficiency and ease of office supplies management at PT Angkasa Pura Indonesia, Radin Inten II Airport Branch Office.

Keywords: Blackbox Testing, Laravel, Office Supplies Management System, Rapid Application Development (RAD), User Experience Questionnaire (UEQ).