

ADAM HERRY MAULANA, 21.240.0144

**PENGEMBANGAN DASHBOARD ADMINISTRATOR PADA
ENTERPRISE RESOURCE PLANNING (ERP) DI PT. CREASI TEKNO
SOLUSI**, dibawah bimbingan M. Reza Maulana, M.Kom dan Anas Syaifudin,
M.Kom.

162 + xv halaman / 94 gambar / 32 tabel / 23 pustaka (2016 - 2024)

ABSTRAK

PT. Creasi Tekno Solusi (creasi.co) mengembangkan sistem *Enterprise Resource Planning* (ERP) berbasis langganan untuk meningkatkan efisiensi operasional klien. Namun, pengelolaan sistem ERP sering terkendala oleh kurangnya alat terpusat bagi *administrator*. Penelitian ini bertujuan mengembangkan *dashboard administrator* untuk mempermudah pengelolaan sistem ERP, seperti memantau status langganan, mengatur akses fitur berdasarkan paket, dan merespons pertanyaan pengguna secara efisien. *Metode Rapid Application Development* (RAD) digunakan dalam pengembangan, meliputi tahap *requirements planning*, *design workshop*, dan *implementation*. Dashboard dibangun menggunakan *framework Laravel* dan *PostgreSQL*, serta diuji dengan metode *black box*, *white box*, dan *User Acceptance Test* (UAT). Pengujian *black box* memastikan bahwa seluruh fungsi sistem berjalan tanpa *error*, *white box* memastikan keandalan logika program, dan UAT menunjukkan bahwa sistem memenuhi kebutuhan pengguna akhir. *Dashboard* ini meningkatkan efisiensi administrasi melalui fitur otomatisasi dan menawarkan potensi pengembangan, seperti analitik berbasis infografik dan versi *Progressive Web App* (PWA).

Kata kunci : *Dashboard Administrator, Enterprise Resource Planning, Rapid Application Development, Laravel, PostgreSQL*

ADAM HERRY MAULANA, 21.240.0144

**DEVELOPMENT OF AN ADMINISTRATOR DASHBOARD FOR
ENTERPRISE RESOURCE PLANNING (ERP) AT PT. CREASI TEKNO**

SOLUSI, supervised by M. Reza Maulana, M.Kom and Anas Syaifudin, M.Kom.

162 + xv pages / 94 images / 32 tables / 23 libraries (2016 - 2024)

ABSTRACT

PT. Creasi Tekno Solusi (creasi.co) develops a subscription-based Enterprise Resource Planning (ERP) system to enhance clients' operational efficiency. However, managing the ERP system is often hindered by the lack of a centralized tool for administrators. This study aims to develop an administrator dashboard to facilitate ERP system management, including monitoring subscription status, configuring feature access based on packages, and efficiently responding to user inquiries. The Rapid Application Development (RAD) method was employed, encompassing the stages of requirements planning, design workshop, and implementation. The dashboard was built using the Laravel framework and PostgreSQL and tested using black box, white box, and User Acceptance Test (UAT) methods. Black box testing ensured that all system functions operated without errors, white box testing validated the reliability of the program logic, and UAT demonstrated that the system met end-user needs. This dashboard enhances administrative efficiency through automation features and offers potential developments, such as infographic-based analytics and a Progressive Web App (PWA) version.

Kata kunci : *Dashboard Administrator, Enterprise Resource Planning, Rapid Application Development, Laravel, PostgreSQL*