

ABSTRAK

Penelitian ini bertujuan untuk membangun aplikasi berbasis *website* guna mempermudah proses pengajuan proposal dan pengelolaan kegiatan magang di PDAM Tirta Musi Palembang Unit Rambutan. Sistem manual yang masih digunakan menyebabkan ketidakefisienan, keterlambatan, dan miskomunikasi antara peserta magang dan pihak instansi. Untuk mengatasi permasalahan tersebut, dikembangkan aplikasi menggunakan metode *Agile*. Aplikasi dibangun dengan bahasa pemrograman PHP menggunakan pendekatan *Object Oriented Programming* (OOP), arsitektur *Model View Controller* (MVC), *framework CodeIgniter*, dan *database MySQL*. Hasil pengujian menunjukkan bahwa fitur-fitur utama seperti pengajuan proposal, verifikasi admin dan supervisor, absensi harian, pencatatan kegiatan, pengunggahan laporan akhir, dan penerbitan sertifikat *digital* telah berjalan dengan baik. Aplikasi ini mampu meningkatkan efisiensi kerja, mempercepat proses administrasi, dan mendukung dokumentasi secara terstruktur. Dengan demikian, aplikasi ini terbukti efektif dalam mendukung proses magang secara digital di PDAM Tirta Musi Palembang.

Kata Kunci: Agile, Magang, PDAM Tirta Musi Palembang, Proposal, *Website*.

ABSTRACT

This research aims to build a website-based application to facilitate the process of submitting proposals and managing internship activities at PDAM Tirta Musi Palembang Rambutan Unit. The manual system that is still used causes inefficiency, delays, and miscommunication between interns and the agency. To overcome these problems, an application was developed using the Agile method. The application was built with PHP programming language using Object Oriented Programming (OOP) approach, Model View Controller (MVC) architecture, CodeIgniter framework, and MySQL database. The test results show that the main features such as proposal submission, admin and supervisor verification, daily attendance, recording activities, uploading final reports, and issuing digital certificates have run well. This application is able to improve work efficiency, speed up the administration process, and support structured documentation. Thus, this application is proven effective in supporting the digital internship process at PDAM Tirta Musi Palembang.

Keywords: *Agile, Internship, PDAM Tirta Musi Palembang, Proposal, Website*