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**ABSTRAK**

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**Website Monitoring Magang Di Dinas Komunikasi Dan Informatika  
(Dinkominfo) Kabupaten Pekalongan**

Program magang berfungsi menghubungkan teori dengan pengalaman kerja. Namun, Dinkominfo (Dinas Komunikasi dan Informatika) masih mengelola magang secara manual, sehingga data rentan hilang dan laporan terhambat. Penelitian ini bertujuan menjawab bagaimana membangun sistem informasi berbasis web untuk mengoptimalkan administrasi magang. Penelitian ini bertujuan merancang aplikasi monitoring magang berbasis web guna meningkatkan efisiensi, akurasi data, dan kemudahan akses supervisi di Dinkominfo. Penelitian ini menggunakan metode Waterfall yang terdiri dari tahapan analisis kebutuhan, perancangan, pengkodean, dan pengujian. Pengumpulan data dilakukan melalui observasi langsung dan wawancara dengan mentor serta peserta magang di Dinkominfo. Instrumen penelitian melibatkan spesifikasi kebutuhan fungsional sistem yang divalidasi oleh ahli sistem informasi. Pengujian sistem dilakukan menggunakan metode Black-Box Testing untuk memastikan seluruh fungsi berjalan normal, serta kuesioner User Acceptance Testing (UAT) kepada 15 pengguna untuk menganalisis kelayakan dan kemudahan antarmuka aplikasi sebelum diimplementasikan. Hasil penelitian menunjukkan aplikasi monitoring magang berbasis web berhasil diimplementasikan dengan fitur utama pencatatan logbook digital, pengunggahan berkas, dan pemantauan nilai secara real-time. Berdasarkan pengujian Black-Box, seluruh fungsi sistem berjalan 100% valid. Hasil UAT menunjukkan tingkat kepuasan pengguna mencapai 85%, menandakan bahwa sistem ini efektif memangkas waktu penyusunan laporan administrasi secara signifikan dibandingkan proses manual terdahulu. Sistem ini terbukti meningkatkan efisiensi manajemen magang dan dapat menjadi model digitalisasi administrasi bagi instansi pemerintah daerah lainnya.

**Kata Kunci :** *Aplikasi Berbasis Web, Manajemen Magang, Dinas Komunikasi dan Informatika (Dinkominfo), Monitoring Magang, Sistem Informasi*

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**ABSTRACT**

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**Internship Monitoring Website at the Communication and Informatics  
Service (DINKOMINFO) of Pekalongan Regency**

The internship program aims to connect theoretical knowledge with practical work experience. However, Dinkominfo (the Department of Communication and Information Technology) still manages internships manually, making the data susceptible to loss and hindering effective reporting. This study seeks to explore how to develop a web-based information system to optimize internship administration. Specifically, it aims to design a web-based internship monitoring application that enhances efficiency, improves data accuracy, and facilitates easier supervision at Dinkominfo. The study employs the Waterfall method, which involves several stages: needs analysis, design, coding, and testing. Data was collected through direct observation and interviews with mentors and interns at Dinkominfo. The research instrument utilized a specification of functional requirements for the system, which was validated by experts in information systems.

System testing was conducted using the Black-Box Testing method to ensure that all functions were operating correctly. Additionally, a User Acceptance Testing (UAT) questionnaire was administered to 15 users to evaluate the feasibility and usability of the application interface prior to implementation. The results indicated that the web-based internship monitoring application was successfully implemented, featuring key functions such as digital logbook recording, file uploads, and real-time grade monitoring. According to the Black-Box testing, all system functions operated correctly with a 100% validity rate. UAT results revealed a user satisfaction level of 85%, demonstrating that this system significantly reduced the time required for preparing administrative reports compared to the previous manual process. This system has proven to enhance the efficiency of internship management and can serve as a model for the digitalization of administrative processes in other local government agencies.

**Keywords :** *Web based application, internship management, DINKOMINFO, Internship Monitoring, Information System*