

ABSTRAK

Penelitian ini berhasil mengembangkan sebuah Aplikasi Sistem Terpadu Pengelolaan Data Kasus Narkotika dan Rehabilitasi Terintegrasi Antar Unit Kerja Berbasis *Website* pada Badan Narkotika Nasional Provinsi Sumatera Selatan yang mampu mengatasi permasalahan pengelolaan data yang sebelumnya masih dilakukan secara terpisah pada masing-masing unit kerja sehingga menyebabkan keterlambatan pertukaran informasi, duplikasi data, dan kurang optimalnya proses monitoring serta pelaporan. Aplikasi ini dikembangkan menggunakan metode Waterfall dengan teknologi HTML, CSS, PHP, MySQL, dan XAMPP sebagai lingkungan pengembangan sistem. Sistem yang dibangun mampu mengintegrasikan data dari berbagai unit kerja seperti bidang Pencegahan dan Pemberdayaan Masyarakat (P2M), Rehabilitasi, Pemberantasan, dan Umum ke dalam satu basis data terpusat yang dapat diakses sesuai hak akses pengguna. Fitur-fitur yang tersedia meliputi pengelolaan data kasus narkotika, data rehabilitasi, data program pencegahan, data barang bukti, pencarian data, pembuatan laporan, serta monitoring perkembangan rehabilitasi secara terintegrasi. Berdasarkan hasil pengujian menggunakan metode Black Box Testing, seluruh fungsi pada sistem dapat berjalan sesuai dengan kebutuhan yang telah ditentukan. Dengan demikian, aplikasi yang dikembangkan mampu meningkatkan efektivitas pengelolaan data, mempercepat proses pertukaran informasi antar unit kerja, mengurangi kesalahan pencatatan, serta mendukung proses monitoring dan pengambilan keputusan secara lebih cepat, tepat, dan efisien di lingkungan Badan Narkotika Nasional Provinsi Sumatera Selatan.

Kata kunci: Aplikasi, Sistem Terpadu, Kasus Narkotika, Rehabilitasi, *Website*, *Waterfall*, *MySQL*, *Black Box Testing*.

ABSTRACT

This study successfully developed a Website-Based Integrated System Application for the Management of Narcotics Case Data and Rehabilitation Across Work Units at the National Narcotics Agency of South Sumatra Province. The application was designed to address data management issues that were previously handled separately by each work unit, resulting in delays in information exchange, data duplication, and less effective monitoring and reporting processes. The application was developed using the Waterfall method and implemented with HTML, CSS, PHP, MySQL, and XAMPP technologies. The developed system is capable of integrating data from various work units, including Prevention and Community Empowerment (P2M), Rehabilitation, Eradication, and General Affairs, into a centralized database that can be accessed according to user access rights. The available features include narcotics case data management, rehabilitation data management, prevention program data management, evidence data management, data searching, report generation, and integrated rehabilitation progress monitoring. Based on the results of Black Box Testing, all system functions operated in accordance with the specified requirements. Therefore, the developed application is able to improve the effectiveness of data management, accelerate information exchange among work units, reduce recording errors, and support monitoring and decision-making processes more quickly, accurately, and efficiently within the National Narcotics Agency of South Sumatra Province.

Keywords: Application, Integrated System, Narcotics Cases, Rehabilitation, Website, Waterfall, MySQL, Black Box Test