

ABSTRAK

Penulisan laporan ini bertujuan untuk mengembangkan aplikasi permohonan bedah rumah berbasis *website* pada Dinas Perumahan Rakyat dan Kawasan Permukiman serta Pertanahan Kabupaten Banyuasin. Aplikasi ini memudahkan masyarakat dalam mengajukan permohonan bantuan secara *online*, meningkatkan efisiensi pelayanan, serta mengurangi kendala dalam proses administrasi dan verifikasi. Sistem dikembangkan menggunakan PHP, MySQL, HTML, dan CSS. Menggunakan metode pengembangan *Waterfall*, melalui tahapan analisis, perancangan, implementasi, pengujian, dan pemeliharaan. Aplikasi melibatkan tiga entitas utama, yaitu masyarakat, admin, dan pimpinan. Masyarakat dapat mengajukan permohonan secara digital dan memantau statusnya secara langsung melalui aplikasi. Admin bertugas memverifikasi data permohonan, sedangkan pimpinan menyetujui permohonan yang direkomendasikan. Berdasarkan hasil pengujian menggunakan metode *black box testing*, seluruh fitur utama telah berfungsi sesuai kebutuhan. Pengujian dilakukan pada seluruh halaman dan proses, meliputi pendaftaran, pengajuan permohonan, verifikasi, persetujuan, dan pemberitahuan hasil kepada masyarakat. Hasil pengujian menunjukkan bahwa aplikasi berjalan sesuai perancangan dan siap digunakan sebagai sarana pelayanan permohonan bantuan bedah rumah. Dengan adanya sistem ini, proses permohonan, verifikasi, dan persetujuan dalam pengelolaan program bedah rumah dapat dilakukan secara efisien dan membantu meningkatkan kualitas pelayanan publik.

Kata Kunci: Aplikasi, *Website*, Program Bedah Rumah, *Waterfall*, PHP, Mysql.

ABSTRACT

The purpose of this report is to develop a website-based home renovation application for the Public Housing, Settlement and Land Agency of Banyuasin Regency. This application makes it easier for the community to submit assistance requests online, improves service efficiency, and reduces obstacles in the administration and verification process. The system was developed using PHP, MySQL, HTML, and CSS. The Waterfall development method was employed, encompassing the stages of analysis, design, implementation, testing, and maintenance. The application involves three main entities: the public, administrators, and management. The public can submit applications digitally and monitor their status directly through the application. Administrators are responsible for verifying application data, while management approves recommended applications. Based on the results of testing using the black box testing method, all main features functioned as required. Testing was conducted on all pages and processes, including registration, application submission, verification, approval, and notification of results to the community. The testing results indicate that the application operates as designed and is ready for use as a platform for processing housing renovation assistance applications. With this system in place, the application, verification, and approval processes in managing the housing renovation programme can be conducted efficiently, thereby enhancing the quality of public services.

Keywords: *Application, Website, House Renovation Programme, Waterfall, PHP, MySQL.*