

## ABSTRAK

Aplikasi Monitoring dan Rekapitulasi Data Penerima Hibah Perguruan Tinggi Swasta berbasis *website* dibangun pada Lembaga Layanan Pendidikan Tinggi Wilayah II sebagai solusi untuk menyediakan sistem pengelolaan data hibah yang lebih terintegrasi. Sebelumnya, proses pengelolaan data penerima hibah masih dilakukan menggunakan beberapa media seperti lembar kerja terpisah, Microsoft Word, Google Drive, serta pencatatan manual, sehingga proses monitoring, pencarian data, dan rekapitulasi data menjadi kurang efektif dan efisien. Tujuan dari aplikasi ini adalah untuk memudahkan pengelolaan data program hibah, data PTS penerima hibah, kelengkapan administrasi, draft kontrak, kontrak final, serta status pencairan dana hibah secara cepat, akurat, dan terdokumentasi. Metode pengembangan sistem yang digunakan adalah metode Waterfall yang meliputi analisis kebutuhan, desain sistem, implementasi, dan pengujian. Pada tahap perancangan, sistem dimodelkan menggunakan Unified Modeling Language (UML), serta dilengkapi dengan desain interface berdasarkan hak akses pengguna. Aplikasi dibangun menggunakan Laravel dan MySQL serta diuji dengan metode *Black Box Testing*. Hasil menunjukkan bahwa aplikasi dapat membantu Admin dalam mengelola data hibah, membantu PTS memantau status kontrak dan pencairan dana, serta membantu Pimpinan dalam melakukan monitoring hibah secara keseluruhan.

**Kata Kunci:** Web, Monitoring, Rekapitulasi, Hibah, Perguruan Tinggi Swasta LLDIKTI Wilayah II.

## ABSTRACT

The Web-Based Monitoring and Recapitulation Application for Private Higher Education Grant Recipient Data was developed at Lembaga Layanan Pendidikan Tinggi Region II as a solution to provide a more integrated grant data management system. Previously, the management process of grant recipient data was still carried out using several media, such as separate worksheets, Microsoft Word, Google Drive, and manual records, causing the monitoring, data searching, and data recapitulation processes to be less effective and efficient. The purpose of this application is to facilitate the management of grant program data, private higher education grant recipient data, administrative completeness, draft contracts, final contracts, and grant fund disbursement status in a fast, accurate, and well-documented manner. The system development method used is the Waterfall method, which includes requirements analysis, system design, implementation, and testing. In the design stage, the system was modeled using Unified Modeling Language (UML) and equipped with interface designs based on user access rights. The application was developed using Laravel and MySQL and tested using the Black Box Testing method. The results show that the application can assist Admins in managing grant data, help private higher education institutions monitor contract status and fund disbursement, and support Leaders in monitoring the overall grant process.

**Keywords:** Web, Monitoring, Recapitulation, Grant, Private Higher Education Institutions, LLDIKTI Region II.