

ABSTRAK

Berita Acara Aktivasi (BAA) merupakan dokumen yang digunakan sebagai bukti bahwa layanan telah selesai diaktivasi dan menjadi dasar dalam proses administrasi serta penagihan pada *Project Activation*. Proses *monitoring Closing* BAA pada Pemasaran dan Penjualan B2B di PT PLN Icon Plus SBU Regional Sumbagsel masih menggunakan *Excel* yang diperbarui secara berkala dan tidak terintegrasi sehingga berpotensi menimbulkan duplikasi data, keterlambatan informasi, dan kesulitan dalam pemantauan *progres*. Penelitian ini bertujuan membangun Aplikasi *Monitoring Closing* BAA berbasis website yang mampu mengelola data secara terintegrasi dan *real-time*. Pengembangan sistem menggunakan metode *Waterfall* yang meliputi analisis kebutuhan, perancangan, implementasi, pengujian, dan pemeliharaan. Aplikasi dibangun menggunakan *framework* Laravel, bahasa pemrograman PHP, dan *database* MySQL. Fitur utama yang dikembangkan meliputi pengelolaan data *Project Activation* (PA), validasi kontrak dan SLA, *monitoring* status BAA, notifikasi *deadline closing*, pengelolaan data duplikat, serta pembuatan laporan. Pengujian dilakukan menggunakan metode *Black Box Testing* terhadap seluruh fitur. Hasil pengujian menunjukkan seluruh fitur berjalan sesuai kebutuhan fungsional sistem sehingga aplikasi mampu mendukung proses *monitoring* dan *closing* BAA secara lebih efektif, terstruktur, dan tepat waktu.

Kata kunci: *Monitoring*, Berita Acara Aktivasi, *Project Activation*, *Closing* BAA, Website, *Waterfall*, Laravel.

ABSTRACT

An Activation Report Document is a document used as proof that a service has been successfully activated and serves as the basis for administrative and billing processes in Project Activation. The BAA Closing monitoring process in B2B Marketing and Sales at PT PLN Icon Plus SBU Regional Sumbagsel still relies on periodically updated and non-integrated Excel , which may lead to data duplication, delayed information updates, and difficulties in monitoring project progress. This research aims to develop a web-based BAA Closing Monitoring Application capable of managing data in an integrated and real-time manner. The system was developed using the Waterfall method, which consists of requirements analysis, system design, implementation, testing, and maintenance. The application was built using the Laravel framework, PHP programming language, and MySQL database. The main features include Project Activation (PA) data management, contract and SLA validation, BAA status monitoring, closing deadline notifications, duplicate data handling, and report generation. System testing was conducted using the Black Box Testing method on all features. The testing results indicate that all features function according to the system's functional requirements, demonstrating that the application effectively supports a more efficient, structured, and timely BAA monitoring and closing process.

Keywords: Monitoring, Activation Report Document (BAA), Project Activation, BAA Closing, Website, Waterfall, Laravel.