

ABSTRAK

PT Sriwijaya Mandiri Sumsel (SRIMAS) merupakan perusahaan yang bergerak di bidang jasa angkutan batubara yang masih menghadapi kendala dalam proses pencatatan dan pelaporan data angkutan karena dilakukan secara semi manual, sehingga berpotensi menyebabkan keterlambatan informasi, kesalahan pencatatan, dan kesulitan dalam pencarian data. Penelitian ini bertujuan untuk merancang dan membangun Aplikasi *Monitoring* dan Pelaporan Angkutan Batubara Berbasis *Website* guna membantu proses pengelolaan data operasional secara lebih efektif dan terintegrasi. Metode pengembangan sistem yang digunakan adalah *Waterfall*, sedangkan aplikasi dibangun menggunakan *framework Laravel* dan *database MySQL*. Hasil penelitian berupa aplikasi yang mampu mengelola data supir, armada, supplier, laporan angkutan, validasi laporan oleh admin dan manager, serta rekapitulasi dan *ekspor* data dalam format *PDF* dan *Excel*. Dengan adanya sistem ini, proses *monitoring* dan pelaporan angkutan batubara menjadi lebih cepat, akurat, terdokumentasi, dan mendukung pengambilan keputusan operasional perusahaan.

Kata Kunci: *Monitoring, Pelaporan, Angkutan Batubara, Website, Laravel.*

ABSTRACT

PT Sriwijaya Mandiri Sumsel (SRIMAS) is a company engaged in coal transportation services that continues to face challenges in the process of recording and reporting transportation data because these tasks are performed manually, which can potentially lead to delays in information, recording errors, and difficulties in retrieving data. This study aims to design and develop a Web-Based Coal Transportation Monitoring and Reporting Application to facilitate more effective and integrated management of operational data. The system development method used is the Prototype approach, while the application was built using the Laravel framework and a MySQL database. The research resulted in an application capable of managing data on drivers, the fleet, suppliers, transportation reports, report validation by administrators and managers, as well as data summarization and ekspor in PDF and Excel formats. With this system, the coal transportation monitoring and reporting processes become faster, more accurate, and better documented, thereby supporting the company's operational decision-making.

Keywords: Monitoring, Reporting, Coal Transportation, Website, Laravel.