

## **ABSTRACT**

*This research aims to address the issues related to the management of loading and unloading data in each block/finning line at PT. Riau Andalan Pulp and Paper (RAPP) by developing a web-based application. In the era of globalization and technological advancement, companies need to adopt modern solutions to improve efficiency and accuracy in their production processes. The application is developed using the Dart programming language and the Flutter framework to meet the operators' needs in performing their tasks more efficiently. It incorporates essential features such as accurate production time recording, nearest truck search, and detailed and clear reporting. With the implementation of this application, it is expected that the loading and unloading processes at PT. RAPP will become more organized and accessible, reducing the risk of data recording errors. Through this research, the developer plays an active role in improving productivity and efficiency at PT. RAPP during the paper production process. By using this application, the time required for loading and unloading data recording can be reduced, and the data becomes more structured, facilitating the overall management of production activities.*

**Keywords:** *web-based application, efficiency, data management, loading, unloading, PT. RAPP.*

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