

ABSTRACT

PT Tri Wajo Mandiri is a company in the plantation sector that focuses on the sale of raw palm oil. Located in the village of Karang Anyar, Banyuasin, South Sumatra, this oil palm plantation was established in 2007 and covers an area of 250 hectares. The sales process in this company begins as the daily oil palm fruits grow based on the planting blocks within the plantation. These fruits are sold to factories that have contracts with PT Gasing Sawit Abadi. To transport the harvested yields, the company utilizes trucks operated by truck drivers. In order to maintain accuracy and efficiency in the sales and production of palm oil, an application is designed and developed. This web-based application is constructed using the PHP Framework CI programming language and MySQL. The application development follows the stages of the System Development Life Cycle (SDLC) by implementing the waterfall method. Application testing is conducted using the Black Box Testing approach.

Keywords: oil palm, plantation, record keeping, sales, CI Framework, MySQL, waterfall