

# Optimalisasi Strategi Maintenance Pada Unit HD785-7 Studi kasus: Project Full Maintenance Contract PT. United Tractors Site PAMA Batu Kajang, Kalimantan Timur = Optimization Strategy of Maintenance For HD785-7 Study of case: Project Full Maintenance Contract PT. United Tractors Site PAMA Batu Kajang, East Kalimantan

Wisnu Buntoro, author

Deskripsi Lengkap: <https://lib.ui.ac.id/detail?id=9999920526007&lokasi=lokal>

---

## Abstrak

Laporan Praktik Keinsinyuran ini membahas tentang bagaimana cara PT. United Tractors Site Batu Kajang melakukan optimalisasi strategi maintenance pada HD785-7 untuk mengoptimalkan PA (Performance Availability) dan MTBF (Main Time Between Failure) dengan cara mengevaluasi dan memberikan rekomendasi langkah perbaikan agar tidak terjadi problem yang lebih besar. Latar belakang laporan ini adalah dampak dari bisnis batu bara tahun 2016 yang mengalami penurunan dan rendahnya harga batu bara semakin mendesak industri bisnis maintenance alat berat PT. United Tractors di Batu Kajang, beresiko mengalami penurunan revenue dan profit yang disebabkan oleh minimnya unit yang tidak beroperasi. Oleh karena itu diperlukan strategi maintenance yang bisa mempertahankan bisnis PT. United Tractors khususnya Project FMC (Full Maintenance Contract) yang berada di PAMA Batu Kajang agar dapat mempertahankan bisnis maintenance alat berat tersebut sesuai kontak dengan PT. Pama Persada Nusantara Site Kideco Jaya Agung, Kalimantan Timur. Subject dalam laporan ini adalah unit HD785-7 Komatsu, yaitu Dump Truck kapasitas muatan 91 ton yang dikelola oleh PT. United Tractors dengan pola bisnis Full Maintenance Contract. Langkah-langkah dalam laporan ini adalah meningkatkan pelaksanaan Comprehensive Cost Effectiveness (CCE), melakukan basic maintenance activity, dan melakukan extend life time component sesuai mandatory dari management PT. United tractors.

.....This Engineering Practice Report discusses how PT. United Tractors Site Batu Kajang optimizes the maintenance strategy on HD785-7 to optimize PA (Performance Availability) and MTBF (Main Time Between Failures) by evaluating and providing recommendations for corrective steps to avoid bigger problems. The background of this report is the impact of the coal business in 2016 which experienced a decline and the low price of coal is increasingly urging the heavy equipment maintenance business industry of PT. United Tractors in Batu Kajang, is at risk of experiencing a decrease in revenue and profit caused by the lack of units that are not operating. Therefore a maintenance strategy is needed that can maintain PT. United Tractors especially the FMC (Full Maintenance Contract) Project which is at PAMA Batu Kajang in order to be able to maintain the heavy equipment maintenance business according to contact with PT. Pama Persada Nusantara Site Kideco Jaya Agung, East Kalimantan. The subject of this report is the HD785-7 Komatsu unit, which is a Dump Truck with a payload capacity of 91 tons managed by PT. United Tractors with a Full Maintenance Contract business model. The steps in this report are improving the implementation of Comprehensive Cost Effectiveness (CCE), carrying out basic maintenance activities, and extending life time components according to the mandatory management of PT. united tractors.