

ANALISIS SISTEM PERAWATAN *CYLINDER BUCKET* EXCAVATOR KOMATSU PC-200 DENGAN MENGGUNAKAN METODE TOTAL *PRODUCTIVE MAINTENANCE (TPM)*

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Abstrak

Penelitian ini bertujuan untuk melakukan perawatan *Cylinder Bucket Excavator Pc-200* dengan menggunakan Metode Total *Productive Maintenance (TPM)* di PT. Vadhana International, yang beralamat di kulim, km.08, Duri, Riau. *Cylinder Bucket* adalah salah satu komponen terpenting dalam *Front Attachment Excavator*.

Penelitian ini mencakup pengumpulan data, pengolahan data, dan analisis yang digunakan memakai metode total *productive maintenance (tpm)*. Dengan perhitungan Metode *Availability* yang hasil perhitungan dari bulan april-juni adalah berkisar 83,00%-87,00%, Metode *Performance Efficiency* yang hasil perhitungan dari bulan april-juni adalah berkisar 72,00%-75,00%, Metode *Rate Off quality product* dari bulan april-juni adalah berkisar 81,41%-74,76%, dari perhitungan hasil *Availability*, *Performance Efficiency*, dan *Rate Off Quality Product* di gabungkan dan di totalkan menggunakan metode perhitungan *Overral Equipment Effectiveness* dan hasil perhitungan nilai persenan 3 metode perhitungan tersebut bisa di simpulkan bahwa hasil belum memenuhi standart dari world class standar yaitu : 85,00% .

Kata Kunci: *Cylinder Bucket Excavator, Total Productive Maintenance, Overral Equipment Effectiveness*

ANALYSIS OF THE KOMATSU PC-200 EXCAVATOR BUCKET CYLINDER MAINTENANCE SYSTEM USING THE TOTAL PRODUCTIVE MAINTENANCE (TPM) METHOD

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Abstrack

This study aim toaims to perform maintenance on the Cylinder Bucket Excavator Pc-200 using the Total Method Productive Maintatenance (TPM) at PT. Vadhana International, located at Kulim, km. 08, Duri, Riau. Cylinder Bucket is one of the most important components in the Front Attachment Excavator.

This research includes data collection, data processing, and analysis using the total productive maintenance (TPM) method. With the calculation of the Availability Method, the calculation results from April-June are around 83.00% - 87.00%, the Performance Efficiency Method, the calculation results from April-June are around 72.00% -75.00%, the Rate Off method for quality products from April-June is around 81.41% -74.76%, from the calculation of the results of Availability, Performance Efficiency, and Rate Off Quality Products are combined and totaled using the calculation method of Overall Equipment Effectiveness and the results of the calculation of the percentage value of the 3 calculation methods can be concluded that the results have not met the standards of the world class standard, namely: 85.00%.

Keywrđ : *Cylinder Bucket Excavator,Total Productive Maintenance,Overral Equipment Effectiveness*