

ANALISIS PENERAPAN TOTAL PRODUCTIVE MAINTENANCE DENGAN METODE OVERALL EQUIPMENT EFFECTIVENESS DAN SIX BIG LOSSES DI CV RENJANA OFFSET

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ABSTRAK

CV Renjana Offset merupakan sebuah lini usaha yang bergerak dalam sektor bisnis percetakan dengan menggunakan offset printing method. Secara keseluruhan pesanan yang telah didapat CV Renjana Offset yaitu buku sehingga mesin cetak SM 74 ini menjadi mesin utama dan sangat diandalkan. Walaupun mesin SpeedMaster 74 telah di berlakukan reparasi perbulan nya, akan tetapi SpeedMaster 74 masih menghadapi breakdown saat jam kerja dan Downtime akan terjadi. Selama kurun waktu bulan Oktober 2021 s/d Maret 2022, tercatat telah terjadi sepuluh kali Breakdown dengan total waktu 19,5 jam Downtime. Penelitian ini bertujuan untuk mencari tahu tentang efektivitas kinerja SpeedMaster 74. Overall Equipment Effectiveness merupakan pendekatan dalam pengukuran kinerja dan efektivitas mesin yang digunakan. Selanjutnya, untuk mencari penyebab kurangnya efektif akan digunakan perhitungan Six Big Losses, yang berguna untuk mengetahui faktor yang paling dominan. Kedua pendekatan ini merupakan alat pengukur dalam keberhasilan diterapkannya Total Productive Maintenance. Overall Equipment Effectiveness mesin SpeedMaster 74 bulan Oktober 2021 – Maret 2022 memiliki rerata 84,66%. Dengan Nilai tersebut < standar world class OEE yaitu 85%. Losses terbesar adalah Set Up dan Adjustment Losses yaitu sebesar 36,68% dan Reduced Speed Losses yaitu sebesar 35,24%.

Kata kunci: Breakdown, Downtime, Overall Equipment Effectiveness, Total Productive Maintenance, Six Big Losses

ANALYSIS OF TOTAL PRODUCTIVE MAINTENANCE IMPLEMENTATION WITH OVERALL EQUIPMENT EFFECTIVENESS AND SIX BIG LOSSES METHODS IN CV RENJANA OFFSET

ABSTRACT

CV Renjana Offset is a line of business using offset printing in the printing business sector. Overall, the company received boos orders, so the SM 74 printing machine became the leading and most reliable machine. Even though the Speedmaster 74 engine has been repaired monthly, the Speedmaster 74 still faces a breakdown during working hours, and downtime will occur. From October 2021 to March 2022, there have been ten breakdowns with 19.5 hours of downtime. This study aims to find out about the effectiveness of the performance of Speedmaster 74. Overall, Equipment Effectiveness is an approach to measuring the performance and effectiveness of the machine used. Furthermore, to find the cause of the lack of effectiveness, the calculation of Six Big Losses will be used, which helps know the most dominant factor. Both of these approaches are measuring tools for the success of implementing Total Productive Maintenance. Overall Equipment Effectiveness of Speedmaster 74 machines in October 2021 – March 2022 has an average of 84.66%. This value < the OEE world-class standard, which is 85%. The biggest losses are Set Up and Adjustment Losses, 36.68%, and Reduced Speed Losses, 35.24%.

Keywords: Breakdown, Downtime, Overall Equipment Effectiveness, Total Productive Maintenance, Six Big Losses

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