

ABSTRAK

Analisa Kinerja Mesin BUILDING.MC 01 Dengan Metode Overall Equipment Effectiveness (OEE) Untuk Meningkatkan Produktifitas Di PT. GTU

PT. GTU adalah perusahaan yang memproduksi ban Tire dan Tube dan memproduksi kain ban dan SBR (styrene butadien rubber) dan selalu berkaitan dengan masalah pada efektivitas mesin/peralatan yang diakibatkan six big losses tersebut. Akibat lain yang ditimbulkan karena kerusakan mesin/peralatan yaitu dalam kualitas produk yang dihasilkan dimana produk yang tidak sesuai dengan standar kualitas akan di olah kembali atau dibuang. Objek yang diteliti pada penelitian ini yaitu mesin Building, dengan melakukan pengukuran efektivitas mesin dengan menggunakan metode OEE yang kemudian dilanjutkan dengan pengukuran OEE six big Losses dan dari faktor tersebut dapat dicari faktor yang terbesar yang mengakibatkan rendahnya efisiensi. Data yang digunakan adalah data satu tahun terakhir 2016, diperoleh nilai (OEE) yang berkisar antara 50.59% hingga 64.98%, dengan nilai Availability sekitar 65.60% - 72.50% rata – rata nilai Availability 70.05%, nilai performance 70.89% - 97.59%, rata – rata nilai performance 86.13%, serta nilai Quality 99.43% - 99.62%, rata – rata nilai quality 99.56%. nilai OEE tertinggi pada bulan November 2016 dengan nilai 64.98%, dan nilai terendah pada bulan oktober dengan nilai 50.59%. rendahnya nilai Availability disebabkan karena Downtime yang terlalu tinggi yaitu dengan nilai 72.97 jam – 84.86 jam.

Kata Kunci : Overall Equipment Effectiveness (OEE), Six big Losses, mesin Building

ABSTRACT

Analysis of machine Building Performance with Overall Equipment Effectiveness (OEE), method to improve productivity in PT. GTU

PT. GTU is a company that produces tire and tube tiers and manufacture and SBR (styrene butadiene rubber) fabrics and always deals with problems on the effectiveness of the machine/equipment caused by the six big losses other consequences caused by damage to the machine/equipment is in the quality of the resulting product where the product is not in accordance with the quality standards will be if back r discarded. The objek studied in this research is the building machine by measuring the effectiveness of the machine by using OEE method which then continued with the measurement of OEE six big losses and from that factor can be searched the biggest factor which resulted the low efficiency value. The data used is the last one year data 2016, and obtained the value OEE ranging from 50.59% to 64.98%, with availability value around 65.50% - 72.50% availability 70.05%, performance 70.89% - 97.59%, average performance value 86.13%, and quality score 99.43% - 99.62%, average quality value 99.56%, highest OEE value in November 2016 with value 64.98%, and lowest value in October 50.59%, low availability value due to downtime is too high, 72.97 hour – 84.86 hours.

Keywords : *Overall equipment effectiveness (OEE), and six big losses building machine*