

PENGUKURAN NILAI OVERALL EQUIPMENT EFFECTIVENESS SEBAGAI DASAR USAHA PERBAIKAN SISTEM MANUFAKTUR PADA LINI PRODUKSI SPOOL HANSAPLAST (Study Kasus Pada Departemen Injection Moulding PT Berlina Plastic Tbk)

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ABSTRAKSI

PT. Berlina Plastic Tbk adalah salah satu

perusahaan yang bergerak pada bidang produksi plastic, salah satu produknya adalah Spool Hansaplast. Karena permintaan produk yang tinggi maka perusahaan berusaha memenuhi permintaan dengan mengoptimalkan jumlah mesin yang ada. Namun hal itu sulit dilakukan dikarenakan pada lini produksi di Departemen Injection Moulding PT Berlina sering terjadi Down time mesin dan Reject produk yang mengakibatkan produktivitas menjadi rendah. Untuk mengukur produktivitas di Departemen Injection Moulding, maka peneliti menggunakan Overall Equipment Effectiveness. OEE adalah "key metric" pada penerapan Total Productive Maintenance. OEE langsung dapat menganalisa Availability rate, Performance rate, dan Quality rate sehingga dapat dijadikan dasar usaha perbaikan bagi perusahaan .

Nilai Overall Equipment Effectiveness yang didapat pada pengukuran di Departemen Injection Moulding adalah sebagai berikut : Availability rate 88,33%, Performance rate 95,39%, Quality rate 96,66% dan Overall OEE 81,46 %. Usaha perbaikan yang dilakukan perusahaan berdasarkan pilar-pilar Total Productive Maintenance agar mencapai Overall Equipment Effectiveness standar World Class.

ABSTRACT

PT. Plastic Berlina Tbk is one of the companies engaged in the field of plastic production, one product is Hansaplast Spool. Because of high demand products, the company tried to meet the demand by optimizing the number of existing machines. But it was hard to do because of the production line at the Department of Injection Moulding PT Berlina often occurs Down time machine and Reject products that result in productivity will be low.

To measure productivity at the Department of Injection Moulding, the researcher using the Overall Equipment Effectiveness. OEE is a "key metrics" in the implementation of Total Productive Maintenance. OEE can directly analyze the rate Availability, Performance Rate, and Quality rated so it can be the foundation for company improvement efforts.

Overall Equipment Effectiveness Value on measurements obtained at the Department of Injection Moulding is as follows: Availability rate is 88.33%, 95.39% Performance Rate, Quality rate is 96.66% and 81.46%, Overall OEE. Business enterprises based on the improvements made

pillars Total Productive Maintenance, Overall Equipment Effectiveness to achieve World Class standards.

Keywords: Productivity, OEE, TPM.