

ABSTRAK

PT. Dasaplast Nusantara merupakan perusahaan yang bergerak dalam bidang produksi plastik (Wearing bag, Inner bag, Weaving bag). Proses produksi yang berlangsung dalam suatu industri manufaktur hampir semuanya menggunakan mesin dan peralatan. Apabila mesin atau peralatan mengalami kerusakan maka proses produksi akan terhambat. Salah satu upaya yang dapat dilakukan oleh perusahaan manufaktur adalah melakukan pemeliharaan mesin atau peralatan. PT. Dasaplast Nusantara telah menerapkan TPM namun perlu dilakukan pengukuran TPM yang telah berjalan di PT. Dasaplast Nusantara untuk mengukur keberhasilan penerapan TPM pada perusahaan metode yang digunakan adalah Overall Equipment Effectivness dimana Overall Equipment Effectivness memiliki standar yang telah ditetapkan Japan Institute of Plant Maintenance sebesar 85%. Menurut hasil penelitian nilai efektivitas mesin circular loom PT. Dasaplast Nusantara pada bulan September sampai dengan Desember 2015 sudah memenuhi standar nilai OEE (overall equipment effectivness) sebesar 85% dimana nilai OEE pada periode produksi September-Desember 2015 adalah sebesar 86.18%. dari six big losses yang telah dianalisa terdapat satu losses yang memiliki presentase kerugian yang besar yaitu reduce speed losses pada mesin circular loom LSL-4 adalah sebesar 46.22 % dari seluruh time losses. Rekomendasi perbaikan yang disarankan adalah sebaiknya mekanik memberikan pelatihan kepada operator agar dapat mengidentifikasi gejala kerusakan pada mesin agar dapat segera ditangani serta dapat menerapkan autonomous maintenance.

Kata kunci : *Overall Equipment Effectiveness, Six big losses, Total Productive Maintenance.*

ABSTRACT

PT. Dasaplast Nusantara is a company engaged in the production of plastics (Wearing bag, Inner bag, bag Weaving). The production process takes place in an industry that manufactures almost all use of machinery and equipment. If machinery or equipment is damaged then the production process will be hampered. One of the efforts to be made by the company manufatur is doing maintenance machinery or equipment. PT. Dasaplast Nusantara has implemented TPM however necessary to measure the TPM which has been running in PT. Dasaplast archipelago to measure the successful implementation of the company's TPM method used is Overall Equipment Overall Equipment effectivness effectivness which has established standards Japan Institute of Plant Maintenance by 85%. According to the research value of the effectiveness of circular loom machine PT. Dasaplast Nusantara in September until December 2015 to meet the standard nilaiai OEE (overall equipment effectivness) of 85% which niali OEE on the production period from September to December 2015 is a amounted to 85.74%. of the six big losses that have been analyzed are the losses that have a large percentage of losses that reduce losses in engine speed circular loom MSM-4 amounted to 46.22% of the time losses. Recommendations suggested improvements are better mechanics provide training to operators in order to identify the symptoms of damage to the machine immediately for autonomous maintenance and can apply.

Keywords: *Overal Equipment Effectiveness, Six big losses, Total Productive Maintenance.*