

ABSTRAK

Tesis ini bertujuan untuk mengetahui nilai *Overall equipment effectiveness (OEE)*, *Total Effective Equipment Productivity (TEEP)* dan *Net Equipment Effectiveness (NEE)* dalam strategi peningkatan efektifitas mesin produksi pada PT Gandummas Kencana. Objek penelitian ini dilakukan di gedung K PT Gandummas Kencana, di line produksi gd K yang memiliki rangkaian mesin giling gula, mesin conching, mesin grinding, tangki 1, tangki 2, tangki 3, tangki 4, mesin molding 1 dan mesin molding 2. Penelitian ini menggunakan metode pengukuran *Overall Equipment Effectiveness (OEE)*, *Total Effective Equipment Productivity (TEEP)*, dan *Net Equipment Effectiveness (NEE)* dalam rangka mengetahui nilai efektifitas mesin produksi. Berdasarkan hasil pengolahan data lebih lanjut dengan metode *Six big losses* dapat disimpulkan bahwa penyebab terbesar kurang efisien mesin adalah *downtime*. Untuk mengatasi hal tersebut dilakukan perbaikan dari faktor sumber daya manusia dengan melakukan pembuatan persyaratan jabatan (jobs kompetensi), faktor metode dengan membuat *Standart Operational Prosedur (SOP)* pengoperasian setiap mesin, faktor lingkungan kerja dengan melakukan pelatihan *Total Produktif Maintenance (TPM)* secara periodik, faktor mesin dengan membuat jadwal perawatan secara periodik, faktor material dengan membuat *mapping sparepart* mesin.

Kata Kunci: *Overall equipment effectiveness (OEE)*, *Total Effective Equipment Productivity (TEEP)*, *Net Equipment Effectiveness (NEE)*, *Total Produktif Maintenance (TPM)*, efektifitas mesin

ABSTRACT

This thesis aims to find out the value of the Overall equipment effectiveness (OEE), the Total Effective Equipment Productivity (TEEP) and Net Equipment Effectiveness (NEE) in the strategy increased the effectiveness of production machinery in PT Gandummas Kencana. The object of this research is done in building K PT Gandummas Kencana, a production line in a have a series K gd machine milled sugar, conching machines, grinding machines, 1 tank, tank 2, 3, 4 tank tank, machine molding molding machines 1 and 2. This research using the method of measurement of the Overall Equipment Effectiveness (OEE), the Total Effective Equipment Productivity (TEEP), and Net Equipment Effectiveness (NEE) in order to find out the value of the effectiveness of the production machine. Based on the results of further data processing by the method of the Six big losses can be summed up that the biggest cause is machines disappear less downtime. To address the improvement of the human resource factor by doing making requirements of the position (job competencies), factor the methods by creating a Standard Operational Procedure (SOP) the operation of any machinery, environmental factors work by conducting training Total Productive Maintenance (TPM) periodically, factor machine by creating a schedule of periodic maintenance, material factors by creating a mapping engine spare parts.

Keywords: Overall equipment effectiveness (OEE), Total Effective Equipment Productivity (TEEP), Net Equipment Effectiveness (NEE), Total Produktif Maintenance (TPM), effectiveness of the machine