ABSTRAK

OEE merupakan pengukuran kritis yang digunakan dalam penerapan TPM untuk mengevaluasi kapabilitas sebuah peralatan dalam sebuah sistem produksi. OEE terdiri dari tiga komponen utama yaitu availability, performance, dan quality.Ketiga nilai komponen tersebut mencakup seluruh pokok permasalahan yang dapat mempengaruhi seberapa banyak produk yang dapat dihasilkan oleh peralatan dan operator sistem yang digunakan..Walaupun OEE bukan merupakan pengukuran yang dapat menghasilkan data absolute, namun OEE merupakan teknik terbaik untuk mengidentifikasi cakupan *improvement* performansi proses dan mengarahkan pada bagaimana mencapai *improvement*. PT. XYZ merupakan perusahaan yang bergerak pada bidang manufactur dengan memproduksi bagian-bagian dari sepeda motor yang tidak terlepas dari masalah yang berkaitan dengan efektifitas mesin / peralatan. Nilai OEE tertinggi yaitu terdapat pada bulan tanggal 5 maret sebesar 85,76%. Nilai OEE ini didapat dari nilai *Availability* sebesar 100%, nilai *Performance Efficiency* sebesar 86,55 % dan nilai *Rate of Quality Products* sebesar 99,09%. Sedangkan nilai OEE terendah terdapat pada tanggal 25 maret 2015 sebesar 63,38%. Hal ini disebabkan karena nilai *Availability* sebesar 74,33%, Nilai *Performance Efficiency* sebesar 88,79% dan nilai *Rate of Quality Products* sebesar 96,02%.

Kata Kunci : *Overall Equipment Effectiveness* (OEE), *Availability, Performance, Quality,* Diagram Sebab Akibat

ABSTRACT

OEE measurement is critical that used in applying the TPM to evaluate capability a piece of equipment in a system of production. OEE consists of three main components namely availability, performance, and the Third quality. components cover all problem that can affect how many products that can be produced by equipment and operator system that is used. Although OEE is not a measure that can produce data absolute, but OEE technique is best to identify coverage performance improvement process and directing on how to attain improvement. XYZ is companies are engaged in the field manufacturing facilities such as by producing parts of a motorcycle that cannot be separated from problems that are associated with efficacy machine/equipment. The highest OEE are found in the month on 5 March was 85.76 percent. The OEE was obtained from the availability of 100 percent, the value of 86.55 percent Requiring High Performance and the Rate of Quality Products reached 99.09 percent. While value OEE low there is on the date March 25, 2015 reached 63.38 percent. This was because the availability of 74.33 percent, requiring The Performance of 88.79 percent and the Rate of Quality Products reached 96.02 percent.

Keywords : Overall Equipment Effectiveness (OEE), Availability, Performance, Quality, Cause and effect

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