

Abstract

PT. XYZ is a Japan's brand motorcycle manufacturer in Indonesia. In production process, machines at PT. XYZ are not fully operated optimally. Therefore, this case study concern about how to apply Overall Equipment Effectiveness at Polymer Forming Engineering department, that build by Object Oriented Analysis and Design to build a PHP web. Beside counting Overall Equipment Effectiveness, also count six big loses that effect the machine working ineffective. So, the information system was being build by all the OEE's and six big loses's parameters also creating chart that contain from each OEE or six big loses calculation.

Keywords : Overall Equipment Effectiveness, Six Big Loses, Object Oriented Analysis and Design.

Abstrak

PT. XYZ adalah perusahaan pembuat sepeda motor merek Jepang di Indonesia. Dalam proses pelaksanaan produksi sehari-hari, mesin-mesin di PT. XYZ belum dioperasikan secara optimal. Oleh karena itu, studi kasus tugas akhir ini akan membahas tentang penerapan metode perhitungan *Overall Equipment Effectiveness* pada *line* produksi *Polymer Forming Engineering* yang berbasiskan *Object Oriented Analysis and Design* yang dirancang pada sebuah web PHP. Selain menghitung *Overall Equipment Effectiveness*, juga dihitung 6 kerugian besar yang menyebabkan mesin tidak bekerja secara efektif. Sehingga sistem informasi yang dirancang berdasarkan parameter-parameter OEE dan 6 kerugian besar yang menghasilkan grafik nilai dari masing-masing perhitungan baik OEE maupun 6 kerugian besar.

Kata kunci : *Overall Equipment Effectiveness*, 6 Kerugian Besar, *Object Oriented Analysis and Design*.