

ABSTRAK

Proses produksinya perusahaan/industry manufaktur masih kerap mengalami beberapa kendala sehingga spesifikasi produk yang dihasilkan tidak sesuai dengan produksi. Namun demikian perusahaan juga tetap dan harus melakukan evaluasi dan perbaikan terhadap proses produksinya. Salah satunya PT. XYZ, yang bergerak dibidang produksi beton yaitu produk tiang listrik (*pole*), tiang pancang (*pile*). Perusahaan ini memproduksi tiang listrik dengan berbagai ukuran diantaranya yaitu 9 Meter, 11 Meter, 12 Meter. Penelitian ini dilakukan untuk mengukur tingkat produktivitas dan mengidentifikasi permasalahan dalam proses produksi tiang listrik di PT XYZ. Adapun metode yang digunakan ialah *Overall Equipment Effectiveness* (OEE), yaitu perhitungan yang dilakukan guna menentukan nilai efektivitas mesin. Terdapat tiga elemen produktivitas dan juga efektivitas peralatan yang bisa diukur dengan *Overall Equipment Effectiveness* (OEE), yakni *availability*, *performance efficiency* dan *rate of quality product*. Dengan metode *Overall Equipment Effectiveness* (OEE) penelitian ini mencoba mengukur tingkat efektivitas proses produksi tiang listrik dan menemukan akar masalah yang menghambat tercapainya produktivitas di PT XYZ.

Kata Kunci: Produktivitas, OEE, Proses Produksi

Abstract

The production process of the company/manufacturing industry still often get obstacles, it made the product specifications produced are not in accordance with the production. However, the company must also evaluate and improve its production process. One of them is PT. XYZ, which is engaged in the production of concrete, namely electric poles and piles. This company produces electric poles with various sizes including 9 meters, 11 meters, 12 meters. This research was conducted to measure the level of productivity and identify problems in the production process of electric poles at PT XYZ. This research used Overall Equipment Effectiveness (OEE) as the method, which is a calculation carried out to determine the effectiveness of the machine. There are three elements of productivity as well as equipment effectiveness that can be measured by Overall Equipment Effectiveness (OEE), namely availability, performance efficiency, and product quality level. With the Overall Equipment Effectiveness (OEE) method in this study, this research tried to measure the level of effectiveness of the electric pole production process and found the root cause of the problems that hindered the achievement of productivity at PT XYZ.

Keyword: Productivity, OEE, Production