

ABSTRACT

CV. GENARAL “PLC” SERVICE Sleman Yogyakarta always has a problem in its production process. One of the most interfering problems is on the machine. The lack of maintaining causes the hampered production progress. Effect of the machine problems is the product generated becomes less perfection or has product defects, therefore machine is assumed less optimal working. If the maintaining is not conducted, it can hamper the progress of production process and give impact to the reducing target achieved, and in the result the company is potential to have disadvantage. The purpose of the research is to determine effectiveness level as a basic of maintaining and increasing Drilling machine productivity in the production process.

Data analysis method in the research was using OEE estimation. OEE was used to measure main three ratios, namely (1) Availability ratio, (2) performance ration, and (3) quality ratio. To obtain the value of OEE, the three values from the main three ratios had to be determined first.

According to the analysis result and discussion, it was obtained the availability ratio of 88,28%, performance ratio of 92,8%, quality ratio of 84,78% and OEE ratio od 74,27%, therefore the company can determine the effectiveness level of Drilling machine in CV. General “PLC” Service Sleman Yogyakarta to achieve World Class Standard by maintaining from the factor of availability, performance, and quality, so the production process is more increasing.

Keywords: *machine maintaining, Overall Equipment Effectiveness (OEE), manufacture process.*