

ABSTRACT

PT ABC is a printing company on a national scale. Company's products are textbooks, magazines, newspaper, and the others. Existing maintenance activities in PT ABC divided into two, first is preventive maintenance every Monday and Thursday and the second is corrective maintenance performed if the machine has failure. The failure is often occur to Komori LS440 machine, so machine need maintenance task to make system good machine.

The method used is Reliable Centered Maintenance. This method combining qualitative analysis covering Failure Mode and Effect Analysis and Decision Worksheet. The result of this method is preventive task to critical subsystem. Analyzing the risk of failure machine use method Risk Based Maintenance. If the machine has failure to critical subsystem, the company's risk is Rp 965,904,899.36.

Based on the result of data processing at critical subsystems, obtained six components with scheduled on condition, three components with scheduled restoration task, and six components with scheduled discard task. While maintenance time interval obtained for each components according to the task. After get the maintenance time interval, we can determine the total of maintenance, it's about Rp 971.567.519,69.

Keyword: Corrective Maintenance, Preventive Maintenance, Reliability Centered Maintenance, Risk Based Maintenance