

ABSTRACT

PT. XYZ is a company engaged in electronics with specialization in the field of Sound and Communication. Products are manufactured by PT. XYZ such as megaphone, speakers, amplifier, microphone, wireless equipment, and sound system. Department in PT. XYZ are Metal Machine, Plastic Injection, Spinning, Painting, and Diaphragm. Corrective maintenance in every department is still very large, so that it would impede the production process and can have an impact on customer satisfaction is declining. Therefore need to be made effective maintenance policy for smooth production processes.

One of the methods used to obtain the policy of preventive maintenance is an effective and efficient method of the RCM (Reliability Centered Maintenance) II. In addition, the calculation of spare part needs is also important in supporting the activities of preventive maintenance, with guarantees the availability of spare parts required. Spare part is divided based on the type of repair, i.e. repairable and non-repairable spare part spare part.

The result of the processing of data obtained seven critical equipment such as oven, plastic injection, spinning automatic, CNC lathes, spinning manual, press excentric, and manual lathes. For this type of activity the care obtained schedule on-condition maintenance task as many as 31 activities, schedule restoration task as many as 2 maintenance task and schedule discard task as many as 20 maintenance task. With a total maintenance costs Rp. 175.658.375. number of repairable spare part as many as 27 spare parts and non repairable spare part as many as 13 spare parts.

Keywords : Preventive maintenance, Reliability Centered Maintenance, Spare part