

ABSTRACT

PT Pikiran Rakyat is a company that focuses in printed media that produces daily newspaper. The process of newspaper printing is using Goss Universal printing machine that has several subsystems. Reelstand is one of the subsystems that often suffered damage and has the biggest maintenance demand. Risk Matrix is used to determine the critical component of Reelstand and there are two components that selected as critical component which are Dancing Roller and Infeed, those subsystems need to be determined the optimal spare part management policy using Reliability Centered Spares (RCS) method and the right maintenance policy using Reliability Centered Maintenance (RCM) method.

Based on the result of measurement using Reliability Centered Spares (RCS) method obtained that Dancing Roller and Infeed components are included into repairable component and got spare part requirement of each subsystem of 4 pieces for 1 year. And the result of measurement using Reliability Centered Maintenance (RCM) method obtained maintenance policy for Dancing Roller component is 3 Scheduled On-Condition Task and for Infeed component is 3 Scheduled On-Condition Task.

Key words: Maintenance, Reliability Centered Spares, Reliability Centered Maintenance, Risk Matrix, Spare Part