

ABSTRACT

PT Konimex is a company engaged in the production of drugs and food. Every year, PT Konimex sets a percentage of target availability to be achieved in every machine. Achievement of this sets target based on TA (Techinal Availability) is the percentage of machines to be ready to use every month. Eurosicma E75 DS (4)/A is a machine used to package product with pillow pack form and one of important machine because has 100% of targeted availability of the company every month. Based on historical data, Eurosicma E75 DS (4) / A machine has the highest number of downtime that is 37 times during the period January to October 2017. This causes the machine only once to achieve the desired target company. The research was conducted to determine the treatment method using Reliability Centered Maintenance (RCM) method to determine the maintenance method according to the machine and Reliability Centered Spares (RCS) method to determine the number of spare part requirement. Based on the results of data processing using RCM obtained 11 Scheduled Active Tasks, four Scheduled Recovery Tasks, two Tasks Completed Scheduled, and six Run to Failure. The total cost of the proposed treatment is Rp 237,063,659,829.68 while based on data processing using RCS acquisition of spare part preparation requirements for each component included in non repairable category.

Keywords: Reliability Centered Maintenance, Failure Mode and Effect Analysis, RCM Worksheet, Reliability Centered Spares, RCS Worksheet