

ABSTRACT

PT Konimex is a manufacturing company engaged in medicine, food, and natural products. The problems faced by the company, especially in the Food Plant are delays in repairing the machine or outstanding. Outstanding occurs because the machine has downtime and is caused by the unavailability of spare parts. Based on data on downtime losses, the highest downtime and frequency of damage occurs in the Rovema 1 machine. To overcome these problems a good inventory policy is needed by the company to guarantee the availability of spare parts if the spare parts are needed. The method used in this study is Reliability Centered Spares (RCS) to determine the need for critical spare parts for 1 year by using Poisson Process and Min Max Stock to determine the minimum and maximum inventory in the warehouse and determine the critical spare part reorder point. By using the Reliability Centered Spares (RCS) method and Min Max Stock, it is found that Steel Band needs are 18 components and Brass Insert which is 11 components and min max stock, as well as reorder points for each component.

Keywords: Reliability Centered Spares (RCS), Poisson Process, Min Max Stock, Reorder Point, spare parts