

ABSTRACT

Frequent problems with the Sauce Machine can cause stoppages in the sausage packing process and cause financial losses. This research produces a maintenance schedule and maintenance actions and what actions are appropriate to take using the Reliability Centered Maintenance (RCM) method, determining critical components using pareto diagrams, analyzing actions using Failure Mode and Effect Analysis (FMEA), and assisted by the Minitab22 trial version application. From the results of the study obtained critical components in the O ring piston sauce component with a percentage of 51% downtime, Threeway components with a percentage of 13% downtime, and Actuator components with a percentage of 13% downtime. The results of the calculation of the maintenance time interval on the O ring piston sauce component obtained 12.19 days, the Threeway component obtained 24.11 days, and the Actuator component obtained 23.75 days.

Keywords: Maintenance, Reliability Centered Maintenance (RCM), Failure Mode and Effect Analysis (FMEA), Minitab, Downtime, Maintenance time interval.

ABSTRAK

Sering munculnya masalah pada Mesin Saus dapat menyebabkan berhentinya pada proses mengkemas sosis dan menyebabkan kerugian finansial. Penelitian ini menghasilkan jadwal perawatan dan tindakan perawatan dan tindakan apa yang sesuai untuk dilakukan dengan menggunakan metode *Reliability Centered Maintenance* (RCM), menentukan komponen kritis menggunakan diagram pareto, analisa tindakan menggunakan *Failure Mode and Effect Analysis* (FMEA), dan dibantu dengan aplikasi Minitab22 *trial version*. Dari hasil penelitian didapat komponen kritis pada komponen O ring piston saus dengan persentase *downtime* 51%, komponen Threeway dengan presentase *downtime* 13%, dan komponen Actuator dengan presentase *downtime* 13%. Hasil perhitungan interval waktu perawatan pada komponen O ring piston saus didapat 12,19 hari, komponen Threeway didapat 24,11 hari, dan komponen Actuator didapat 23,75 hari.

Kata Kunci : Pemeliharaan, *Reliability Centered Maintenance* (RCM), *Failure Mode and Effect Analysis* (FMEA), Minitab, *Downtime*, Interval waktu perawatan.