

ABSTRACT

Total Productive Maintenance (TPM) system is a unique Japanese system of managerial expertise. TPM is designed to prevent the occurrence of a loss due to work, caused by failures and adjustments, speed losses resulting from minor stoppages and speed reductions, and losses due to defects caused by defects in the process of commencement and decline in yield by improving manufacturing methods with the use and equipment maintenance. Calculation of effectiveness using TPM method will be applied in a company that is PT Interbis Sejahtera Food Industry to determine the effectiveness of wafer wrapping machine.

Data retrieval was conducted from January to March 2018. After the data was obtained, the calculation of TPM to determine the number of effectiveness of the machine. The availability rate (AV) is still below JIPM standard that is 89,6506%, then do the root search problem which must be repaired by using fishbone chart. Initial repair steps begin by arranging a planned maintenance schedule such as a preventive maintenance and corrective maintenance schedule.

Keywords: *TPM, Effectiveness, Machine, Fishbone Chart, Preventive Maintenance, Corrective Maintenance.*