

## **ABSTRACT**

*Total Productive Maintenance (TPM) is an approach in Preventive Maintenance that can be used by companies to evaluate the effectiveness of company facilities. TPM is a maintenance approach that focuses on equipment so that it is suitable for application to manufacturing companies and production plants. This research was carried out on a Wrapper machine at PT Indofood CBP Sukses Makmur Tbk Palembang Branch which is a packing machine for wrapping noodles, spices, and oil. Because in its use the wrapper machine is often encountered obstacles compared to other machines where the engine sensors often do not work properly so the machine is difficult to cut etiquette properly, a less sharp cutting tool can also make the machine difficult to cut etiquette properly, and also the problematic sealer makes the machine less sticky in attaching the product to cause waste of etiquette. Calculation of the values of AV, PE, RQ, and OEE were analyzed based on the JIPM (Japan Institute of Plant Maintenance) standard and obtained a mean of 89,993%, 99,47817%, 99,9926%, and 89,5689% respectively. From the data that does not meet the JIPM standard is AV (availability). The results of this study can then be used to show that the availability of Wrapping machines must be improved by making a Preventive Maintenance and Corrective Maintenance proposal. Which in the proposal contained the maintenance schedule both daily, weekly, 1 month, 3 months, 6 months, and 1 year periodically. Equipped with maintenance procedures and training schedules for workers / wrapper machine operators to minimize human error.*

**Keywords:** *Preventive Maintenance, Corrective Maintenance, Availability, Total Productive Maintenance.*