

ABSTRACT

Total Productive Maintenance (TPM) is an approach of Preventive Maintenance that can be used by companies to evaluate the effectiveness of the company's facilities. The evaluation is done to increase the value of Overall Equipment Effectiveness (OEE) of the facilities and eliminate major losses, known as The Six Big Losses. TPM is a maintenance approach that focuses on equipment that is suitable to be applied in the manufacturing and production plants. This study was conducted on Ball Tea machine at PT Kabepe Chakra which is a production machine for drying tea. OEE value calculation is done based on data from January to December 2014, the results showed that the value of the OEE calculation is 59.30897433%, which is still under the standards of World Class. Six Big Losses calculation shows that the percentage of the most dominant machine's loss is Set-up and Adjustment Loss which is equal to 42.6768183%. These results can be used to show that the effectiveness of Ball Tea machine still needs to be improved by focusing on eliminating the most dominant loss.

Keywords: Preventive Maintenance, TPM, OEE, The Six Big Losses