

ABSTRACT

PT XYZ is one of the pet food companies located in the Purwakarta area. In production activities, PT XYZ uses 4 types of machines. There is one machine that has the longest downtime, namely the Wenger X-185 machine. The Wenger X-185 machine has a total downtime of 2.580.9 hours. One of the things that can happen with high downtime is not achieving production targets. Therefore, a measurement of the Overall Equipment Effectiveness (OEE) value will be carried out. The Availability value of the Wenger X-185 machine is 82.54%, the Performance Efficiency value of the Wenger X-185 machine is 70.55%, the Rate of Quality value of the Wenger X-185 machine is 86.26%, and the Overall Equipment Effectiveness value is 50,23%. Six big losses were calculated, and the biggest losses were reduced speed losses with a percentage of losses of 23.84%. overall weighting equipment effectiveness calculation is performed by calculating the priority weight of each OEE factor, and the calculation result of the overall weighting equipment effectiveness value is 81.45%. To reduce losses and increase effectiveness, the implementation of the total productive maintenance pillar is designed, namely Quality Maintenance and Autonomous Maintenance. The proposals given are in the form of a one-point lesson design, abnormality tags, then clearing, lubricating, tightening standards, and audit sheets.

Keywords— OEE, Six Big Losses, OWEE, Quality Maintenance, Autonomous Maintenance