

ABSTRACT

PT Perkebunan Nusantara VIII Ciater Garden is an industry that focusing on Orthodox Black Tea in Indonesia that located in the area of Ciater, Bandung. Vibro machine is one of machine that located in Sorting Room that has highest failure rate so that machine didn't work optimally. Because of that, fix the preventive maintenance is needed in that room. The method that used in that maintenance is Overall Equipment Effectiveness (OEE) method to determine performance and effectivity from machine and Cost of Unreliability (COUR) method to determine how much money and time loss because of failure machine. Next, used The Six Big Losses analysis to determine which factor that made OEE rate low. Based on OEE Method, effectivity rate for Vibro Machine is 74,46% in 2015 and 51,27% in 2016. a decrease value for machine effectivity make OEE value become below JIPM standard is 85%. Based on COUR method, cost that responsible by company for repairing and maintenance is Rp 141.600.000,- in 2015 and Rp 167.164.920,- in 2016. Based on Six Big Losses analysis, The biggest losses is Idling and Minor Stoppage because there's large difference between production.

Keywords : *Maintenance Management, Overall Equipment Effectiveness, Cost of Unreliability, The Six Big Losses.*