

ABSTRACT

To increase productivity and maintain quality become the focus of a manufacturing industry. Pt. Indonesia TRC Industry implements total productive maintenance is expected industry is able to maintain and improve machine performance in order to achieve efficiency and effectiveness. Injection department section 1 has more production machines than other sections, if there are constraints on injection section 1 production will be difficult to meet. Therefore, research was conducted that aims to find out how the maintenance condition and how the effectiveness level of injection section 1 and can provide appropriate recommendations to improve the effectiveness of fanuc machines in Injection section 1. By using overall equipment effectiveness and six big losses method. After the research, obtained an average overall equipment effectiveness value of 74%. This result still does not meet the world class standard of 85%. The biggest losses that cause the low OEE value are set up and adjustmen with a value of 15.2% and Idling and Minor Stopager Losses with a value of 80%. The cause of losses consists of machine, human, environmental, and material factors. Machine and human factors are the most dominant factors. To reduce these losses the company must perform maintenance in accordance with the existing maintenance schedule. Maintenance division should conduct discussions to create a schedule between maintenance activities and production lines. Injection department section 1 makes improvements to the performance of production operators so that there is no fatigue

Keywords: Overall Equipment Effectiveness, Six Big Losses, Set Up And Adjustmen Losses, Idling and Minor Stopager Losses, Maintenance, Production Line



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