

ABSTRACT

PT. Jatim Taman Steel, Mfg (PT. JTS) is a company engaged in the production of steel bars consisting of flat rods and round rods, flat rods are steel forming plates for springs while round rods are elongated round steels that are made according to the needs for used as automotive engine components and others. Which is inseparable from the problems associated with machine / equipment problems caused by six major losses. this can be seen from the frequency of damage that occurs in the straightening machine in the round inspection bar which can hamper the production process.

The first stage in an effort to improve the efficiency and capability of production machines at this company is by measuring the efficiency of production machinery aligning with the overall equipment effectiveness (OEE) method. Six major losses.

Of the six factors, the highest value in the reduction of the loss speed is 22.51%, the damage loss is 21.22%, the minor braking loss stops 6.92%, the adjustment & adjustment loss is 3.75%, the defect process loss is 0, 51%, and reduce yield losses by 0%. From the OEE calculation of the aligning machine in January 2019 - April 2019, the average OEE value was 50.49%. How to improve the straightening machine in achieving the ideal recommended by Seichi Nakajima OEE = 85%.

Keywords: Availability, Performance Efficiency, Quality Level, OEE, Big Loss Sig