

ABSTRAK

Losses dapat mengurangi efektifitas penggunaan peralatan dalam kegiatan proses produksi. Untuk mengetahui dan meminimumkan *losses* yang terjadi diperlukan adanya evaluasi kinerja dari peralatan produksi. Mesin produksi *Crusher Granulator* merupakan salah satu peralatan produksi di perusahaan manufaktur pupuk yang akan dievaluasi menggunakan metode *Overall Equipment Effectiveness*. Dalam perhitungan, OEE mengukur efektifitas dengan menggunakan tiga sudut pandang untuk mengidentifikasi *six big losses* yaitu *availability, performance, dan quality*. Hasil penelitian menunjukkan rata-rata efektifitas mesin *Crusher Granulator* selama masa penelitian adalah sebesar 95% dengan rata-rata nilai *availability* 90% *performance* 93% dan *Quality* 100%. Sedangkan *losses* yang signifikan mempengaruhi nilai efektifitas adalah *reduce speed losses*. Dapat diketahui bahwa penyebab kegagalan yang akan di perbaiki sesuai urutan prioritas adalah mengontrol dan mendokumentasikan tindak evaluasi dalam perbaikan sistem perawatan dan lebih cepat melakukan perbaikan apabila terjadi kerusakan atau tidak kesesuaian setelan mesin.

Kata Kunci ; *Overall Equipment Effectiveness, Failure Mode and Analysis, Six Big Losses, Mesin Crusher Granulator.*

ABSTRACT

Losses can reduce the effectiveness of using equipment in the production process activities. To find out and minimize the necessary losses Evaluation of production equipment is needed. Production machine Crusher Granulator is one of the production equipment in fertilizer manufacturing companies that will be evaluated using the Overall Equipment Effectiveness method. In calculations, OEE measures efficiency by using three perspectives to facilitate six major losses, namely availability, performance, and quality. The results showed that the average use of the Granulator Crusher machine during the study period was 95% with an average value of 90% availability, 93% performance and 100% Quality. While the loss that significantly reduces the value of effectiveness is reducing speed loss. Can be approved as the cause of failure that will be corrected according to the order of priority is to control and improve the evaluation of maintenance system maintenance faster to repair repair damage or not in accordance with the needs of the machine.

Keywords : Overall Equipment Effectiveness, Failure Mode and Analysis, Six Big Losses, Machine Crusher Granulator.