ABSTRAK

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Program Studi	: Teknik Industri
Judul Laporan Skripsi	: Analisis Efektivitas Mesin Kemas Primer X Dengan Metode OEE *(Overall Equipment Effectiveness)* dan *RCA (Root Cause Analysis)* Industri Farmasi Di Bogor
Pembimbing	: Puspita Dewi Widayat,S.T.,M.T

Peralatan dan mesin sangat penting untuk keberhasilan suatu perusahaan untuk memenuhi permintaan pelanggan. Industri farmasi di Bogor memiliki berbagai macam mesin kemas primer diantaranya adalah mesin kemas primer *stripping* dan mesin kemas primer *blistering*. mesin kemas primer *stripping* maupun *blistering* masih belum mendapatkan nilai OEE 85%, dimana OEE 85% merupakan standar nilai OEE kelas dunia. Metode pendeketan seperti OEE *(Overall Equipment Effectiveness)* dan RCA *(Root Cause Analysisis)* dapat digunakan untuk mengidentifikasi kegagalan selama proses produksi dan mengetahui nilai efisiensi mesin.1. Diperoleh nilai OEE mesin kemas primer X pada bulan Januari – Juni 2023 yaitu 35,30%. OEE paling rendah pada enam bulan terakhir ada pada bulan Juni 2023 yaitu sebesar 29,44%, 2. Nilai yang didapatkan dari analisis diagram pareto paling tinggi adalah buka/sortir afkir/*reject* 42%, total waktu 7.720 menit. 3. *Root cause analysis* buka/sortir afkir/*reject* adalah belum adanya standar terkait perawatan mandiri oleh operator dan kurangnya operator mesin kemas primer X adanya standar terkait perawatan mandiri oleh operator dan kurangnya operator mesin kemas primer industri farmasi di Bogor adalah dengan cara membuat *check sheet* pengecekan mesin mandiri oleh operator dan dilakukan evaluasi kemampuan operator dan penetapan operator pada mesin kemas primer X.

Kata Kunci : OEE, RCA, Efektivitas, Produksi

ABSTRACT

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Study Program	: Industrial Engineering
Title Thesis	: *Analysis Of Packing Machine Effectiveness X Primary Packaging Machine With OEE (Overall Equipment Effectiveness) And RCA (Root Cause Analysis) Methods In The Pharmaceutical Industry In Bogor.*
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Equipment and machinery are critical to the success of a company to meet customer demand. The pharmaceutical industry in Bogor has a variety of primary packaging machines including stripping primary packaging machines and blistering primary packaging machines. stripping and blistering primary packaging machines still do not get an OEE value of 85%, where OEE 85% is a world-class OEE value standard. Approach methods such as OEE (Overall Equipment Effectiveness) and RCA (Root Cause Analysis) can be used to identify failures during the production process and determine the value of machine efficiency.1. The OEE value of primary packaging machine X in January - June 2023 was 35.30%. The lowest OEE in the last six months was in June 2023 which amounted to 29.44%, 2. The value obtained from the analysis of the highest pareto diagram is open/sort reject/reject 42%, total time 7,720 minutes. 3. Root cause analysis of open/sort out/reject is the absence of standards related to self-care by operators and the lack of operators of primary packaging machines X The existence of standards related to self-care by operators and the lack of operators of primary packaging machines in the pharmaceutical industry in Bogor is by making a check sheet for checking the machine independently by the operator and evaluating the operator's ability and assigning operators to the X primary packaging machine.

Keywords*: OEE, RCA, Effectivity, Production*