

ABSTRAK

Penelitian ini bertujuan untuk mengoptimisasi *WO Compliance* dengan melakukan *Improvement Maintenance Activity* yang berdasar pada *Maintenance Management System* untuk mencapai visibilitas target kinerja operasional *PM Conformance to Maintenance Plan* yaitu 92% (2022) dan 95% (2023) dimana rata – rata pencapaian sebelumnya yaitu 90,14% (2021). Populasi penelitian ini adalah sejumlah aktifitas perawatan terencana yang terdapat pada *Packaging Bottling Line Filler Machine* di PT Multi Bintang Indonesia dengan jumlah sampel sebanyak 7 aktifitas perawatan. Metode analisis data menggunakan *Value Stream Mapping* (VSM) dengan metode penelitian kualitatif. Hasil penelitian menunjukkan bahwa dengan mengidentifikasi dan menekan *waste* (pemborosan) melalui digitalisasi dan standardisasi proses pada setiap aktifitas perawatan peralatan, maka produktifitas aktifitas perawatan meningkat melalui efisiensi durasi pelaksanaan yang menurun secara signifikan. Peningkatan jumlah aktifitas perawatan yang terlaksana tersebut juga mampu menekan *breakdown rate* dari *Packaging Bottling Line*. Implikasi manajerial dari penelitian ini dibahas dalam artikel.

Kata Kunci: Efisiensi, *Maintenance Activity*, *WO Compliance*, *PM Conformance to Maintenance Plan*, *Value Stream Mapping* (VSM), *Waste*



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ABSTRACT

This research aim to optimize WO Compliance by doing Improvement Maintenance Activity based on Maintenance Management System to achieve target visibility of key performance that is called PM Conformance to Maintenance Plan 92% (2022) and 95% (2023) which the achievement average before the improvement was 90,14% (2021). The population of this research is a number of planned maintenance activities on Packaging Bottling Line Filler Machine in PT Multi Bintang Indonesia which the number of samples are 7 maintenance activities. The analysis method is using Value Stream Mapping (VSM) with qualitative method research. The result of the research shows that by identifying and minimizing the wastes through a process digitalization and standardization on each equipment maintenance activity, hence the productivity of it will be increased followed by the efficiency of the activity duration that is decreased significantly. The increasing number of the implemented maintenance activities also able to minimize the breakdown rate of Packaging Bottling Line. The Implication of this research will be discussed on this article.

Keyword: Efficiency, Maintenance Activity, WO Compliance, PM Conformance to Maintenance Plan, Value Stream Mapping (VSM), Waste



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