

Pengaruh Durasi Buka Reject Kemasan terhadap Nilai Overall Equipment Effectiveness (OEE) pada Proses Striping Mesin Kung Long SP-300 = Effect of Opening Rejected Packaging Duration on the Overall Equipment Effectiveness (OEE) Value in Kung Long SP-300 Machine Striping Process

Farah Nabilah, author

Deskripsi Lengkap: <https://lib.ui.ac.id/detail?id=9999920532747&lokasi=lokal>

Abstrak

PT. Guardian Pharmatama merupakan perusahaan manufaktur farmasi yang memproduksi kapsul keras, tablet, semisolid, dan liquid. Efektivitas proses produksi dapat dilihat dari nilai Overall Equipment Effectiveness (OEE). OEE merupakan metode pengukuran efektivitas keseluruhan proses produksi yang melibatkan pengukuran tingkat efektivitas waktu, kinerja mesin, dan tingkat kualitas produk. Pengukuran nilai OEE didasarkan pada tiga faktor utama, yaitu availability, performance, dan quality. Tujuan pembuatan laporan tugas khusus ini adalah untuk mengetahui pengaruh buka reject kemasan terhadap nilai Overall Equipment Effectiveness (OEE). Pengamatan dilakukan dengan mengamati aktivitas mesin dan operator pada mesin Kung Long SP-300 dalam rentang bulan November – Desember 2022. Produk yang akan dibandingkan adalah Methylprednisolone saat pengamatan dan sebelum pengamatan. Saat pengamatan, proses buka reject kemasan dilakukan pada setiap shift proses produksi. Hasil nilai OEE saat pengamatan (buka reject setiap shift) sebesar 42,13%, sedangkan nilai OEE sebelum pengamatan (buka reject di akhir sebelum penutupan produksi) sebesar 50,43%. Berdasarkan hasil pengamatan dan nilai OEE, disimpulkan bahwa data tidak dapat dibandingkan dikarenakan terdapat perbedaan kondisi saat proses pengemasan produk Methylprednisolone. Hal tersebut dikarenakan saat proses pengamatan, mesin sedang terjadi masalah sehingga jumlah over setting lebih banyak dibandingkan sebelum pengamatan. Oleh karena itu, nilai OEE saat pengamatan lebih rendah dibandingkan dengan sebelum pengamatan.

..... PT. Guardian Pharmatama is a pharmaceutical manufacturing company that produces hard capsules, tablets, semisolids, and liquids. The effectiveness of the production process can be seen from the Overall Equipment Effectiveness (OEE) value. OEE is a method of measuring the effectiveness of the entire production process, which involves measuring the level of time effectiveness, machine performance, and product quality. Measuring the OEE value is based on three main factors, namely availability, performance, and quality. The purpose of making this special assignment report is to determine the effect of opening packaging rejects on the Overall Equipment Effectiveness (OEE) value. Observations were made by observing machine and operator activities on the Kung Long SP-300 machine in the period November – December 2022. The product to be compared was Methylprednisolone during and before the observation. During observation, the process of opening packaging rejects was carried out at each shift in the production process. The resulting OEE value during observation (open rejects every shift) was 42.13%, while the OEE value before observation (open rejects at the end before closing production) was 50.43%. Based on the results of observations and OEE values, it was concluded that the data could not be compared because there were differences in conditions during the packaging process for Methylprednisolone products. This is because during the observation process, there was a problem with the machine, so the number of over settings was greater than before the observation. Therefore, the OEE value during observation is lower than

before observation.