Analisis dan Penanganan Permasalahan Mesin Autostacker pada Area Black Produk A Untuk Meningkatkan Overall Equipment Effectiveness (OEE) Mesin Pengemasan Primer = Analysis and Handling of Auto Stacker Machine Problems in the Black Area of Product A to Increase Overall Equipment Effectiveness (OEE) of Primary Packaging Machines

Laurentio Daniel Caesar Perdana Putra, author

Abstrak

Laporan ini membahas analisis dan penanganan permasalahan pada mesin autostacker di area pengemasan produk A di PT SOHO Industri Pharmasi. Fokus dari penelitian ini adalah meningkatkan efektivitas kinerja mesin pengemasan primer melalui perhitungan Overall Equipment Effectiveness (OEE), yang ditargetkan mencapai 51%. Masalah utama yang diidentifikasi meliputi false reject dan gangguan mekanis seperti blister yang menyangkut, berantakan, dan jatuh dari conveyor. Solusi yang diberikan meliputi optimasi sensor, kamera, dan mekanisme conveyor pada mesin autostacker. Hasil implementasi solusi menunjukkan peningkatan OEE mesin pengemasan primer dari 48,87% pada bulan November menjadi 50,44% pada bulan Desember. Namun, target OEE belum tercapai, dan pengamatan lebih lanjut diperlukan untuk memaksimalkan kinerja mesin.

.....This report discusses the analysis and resolution of issues related to the autostacker machine in the packaging area of product A at PT SOHO Industri Pharmasi. The focus of this study is to improve the effectiveness of the primary packaging machine by calculating the Overall Equipment Effectiveness (OEE), targeted to reach 51%. The main identified problems include false rejects and mechanical issues such as blisters getting stuck, disorganized blisters, and blisters falling from the conveyor. The proposed solutions involve optimizing the sensors, cameras, and conveyor mechanisms of the autostacker machine. The implementation of these solutions resulted in an increase in the OEE of the primary packaging machine from 48.87% in November to 50.44% in December. However, the target OEE has not yet been achieved, and further observation is needed to maximize machine performance.