

ABSTRAK

Nama : Mustaqim
Mahasiswa : Teknik Industri
Judul Tesis : “Strategi Pengendalian Kualitas *Dragee Candy* Melalui Penerapan Digitalisasi Pada *Recording* Dan *Monitoring* Data Cacat Produk”.

PT. Sweet Candy Indonesia menghadapi masalah tingkat cacat produk *dragee candy* sebesar 5.12%, melebihi standar 3.50%. Penelitian ini mengkaji penerapan digitalisasi QC untuk mengatasi masalah tersebut. Menggunakan metode *Statistical Quality Control* dengan *checksheet*, *scatter*, histogram, stratifikasi, diagram pareto, peta kendali dan analisis *fishbone*, penelitian mengidentifikasi jenis dan faktor penyebab cacat, serta mengimplementasikan digitalisasi QC. Hasil menunjukkan cacat utama adalah *leaking* (75%) dan *linked* (9.7%) yang disebabkan oleh faktor material, *manpower*, metode, dan mesin. Penerapan digitalisasi QC berhasil menurunkan tingkat cacat dari 5.12% menjadi 2.95%.

Kata kunci:

Pengendalian Kualitas, Digitalisasi, *Dragee Candy*, SQC

ABSTRACT

Name : Mustaqim
Study Program : Teknik Industri
Title : "Quality Control Strategy for Dragee Candy Through Digitalization Implementation in Recording and Monitoring Product Defect Data"

PT. Sweet Candy Indonesia faced a defect rate of 5.12% in *dragee candy* production, exceeding the 3.50% standard. This study examined the implementation of QC digitalization to address this issue. Using Statistical Quality Control methods with checksheets, scatter, histogram, stratification, pareto diagrams, control charts, and fishbone analysis, the research identified types and factors causing defects, and implemented QC digitalization. Results showed the main defects were leaking (75%) and linked (9.7%), caused by material, manpower, method, and machine factors. The implementation of QC digitalization successfully reduced the defect rate from 5.12% to 2.95%.

Keywords:

Quality Control, Digitalization, *Dragee Candy*, SQC