

Systematic Literature Review: Product Quality Control in The Manufacturing Industry with Seven Tools Method Approach

Haryadi Sarjono;

BINUS Business School Undergraduate, Bina Nusantara University,
Jl. K.H. Syahdan No.9, Palmerah, Jakarta Barat, Indonesian 11480.
haryadi_s@binus.ac.id

Mia Ginanjar Saputri

Sekolah Tinggi Ilmu Ekonomi, Bisnis Indonesia, Management
Jl. Kebayoran Lama No. 46, South Sukabumi, West Jakarta, Indonesia 11560
ginanjarmia@gmail.com

Abstract

Technological progress is a good thing, but it also has a big impact on all parties, including the manufacturing, which is an influential industry in various sectors. Until competition in the international market is unavoidable, this triggers consumers to want high-quality goods. Manufacturing must produce quality products to retain consumers, by controlling the production process. This is an effort by the company to maintain consumer trust. In addition, the manufacturing must control the quality of its products, because quality is the identity of the company to maintain productive production activities. The use of seven quality control tools (7QC) is an effort by the manufacturing to maintain quality where these tools are able to control every production process, the seven tools are Check Sheet, Histogram, Pareto Chart, Control Chart, Scatter Chart, Flow Chart, Fishbone Chart. By using planning, data selection and reporting this literature study resulted in several problems that often occur in the manufacturing sector, and the problems found included non-standard materials, machine conditions that were not in accordance with procedures or damaged, inappropriate methods and lack of skilled human resources to operate. production equipment, unsupportive factory environment, and uncontrolled storage space. The things above are obstacles that often occur in the manufacturing industry, causing wastage of costs and can result in losses for the company. From this literature study found solutions to problems that arise, namely companies need to pay attention to the selection of material quality, train workers with appropriate work methods and pay attention to the environment.

Keyword:

Manufacturing, Quality Control, Productions Process, Method, Seven Tools.

Biographies

Haryadi Sarjono, permanent lecturer majoring in management especially operational management at BINUS University, West Jakarta, Indonesia, since 1996. Has the best paper at IEOM 2021 Surakarta, Indonesia.

Mia Ginanjar Saputri, a final semester management student at the Indonesian Business Economics College (STEBI) in the capital city of Jakarta, being one of the best graduate students is something extraordinary for the future, wanting to appreciate every change for the better and share experiences amazing through books, writings, and songs is my goal now and future.