

Perancangan strategi peningkatan kinerja rantai pasok pada gudang material PCB perusahaan manufaktur elektronik menggunakan model SCOR dan Importance Performance Analysis = Designing a strategy for improving supply chain performance in the PCB material warehouse of an electronic manufacturing company using the SCOR Model and Importance Performance Analysis

Indira Raeesha Aurelia, author

Deskripsi Lengkap: <https://lib.ui.ac.id/detail?id=9999920544780&lokasi=lokal>

Abstrak

Penelitian ini bertujuan untuk mengevaluasi dan meningkatkan efisiensi rantai pasok di Gudang PCB PT XYZ, sebuah perusahaan manufaktur elektronik. Dengan menggunakan model Supply Chain Operations Reference (SCOR) dan Analytical Hierarchy Process (AHP), penelitian ini mengukur dan menganalisis kinerja gudang berdasarkan 26 indikator kinerja yang telah divalidasi oleh para ahli perusahaan. Hasil evaluasi menunjukkan bahwa nilai performa gudang pada tahun 2023 adalah 59,01%, yang termasuk dalam kategori average (50-70%) menurut Traffic Light System. Proses dispatch dan periode waktu bulan Juli tercatat sebagai performa terendah. Berdasarkan Importance Performance Analysis, terdapat lima indikator yang masih memerlukan perbaikan, termasuk Accuracy of product delivery according to item, Unfinished Outgoing Process Rate, dan Accuracy of product delivery according to quantity. Usulan perbaikan meliputi integrasi Sistem Active Tracking dan Computerized Maintenance Management System (CMMS) berbasis RFID untuk mengatasi permasalahan terkait akurasi pengiriman, pemeliharaan peralatan, dan efisiensi operasional. Penelitian ini memberikan kontribusi praktis dalam meningkatkan kinerja operasional dan daya saing PT XYZ di industri elektronik.

.....This research was conducted to evaluate and improve supply chain efficiency in the PCB warehouse of PT XYZ, an electronics manufacturing company. Using the Supply Chain Operations Reference (SCOR) model and Analytical Hierarchy Process (AHP), this research measures and analyzes warehouse performance based on 26 performance indicators that have been validated by company experts. The evaluation results show that the warehouse performance value in 2023 is 59.01%, which falls into the average category (50-70%) according to the Traffic Light System. The dispatch process and the July time period recorded the lowest performance. Based on Importance Performance Analysis, there are five indicators that still require improvement, including Accuracy of product delivery according to item, Unfinished Outgoing Process Rate, and Accuracy of product delivery according to quantity. Proposed improvements include the integration of Active Tracking System and RFID-based Computerized Maintenance Management System (CMMS) to address issues related to delivery accuracy, equipment maintenance, and operational efficiency. This research provides a practical contribution in improving the operational performance and competitiveness of PT XYZ in the electronics industry.