

# **Analysis of Storage Layout in A Raw Material Warehouse Using A Shared Storage Policy: Case Study of PT. ABC (Electronic Goods Manufacturer)**

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## **Abstarct**

PT. ABC is a company that produces various kinds of electronic equipment such as refrigerators, washing machines, fans, and so on. This research was written based on the Job Training Activities which were carried out on August 26 2021 to April 4 2022. In this study analyzed the layout of the storage and discussed the material handling mileage in the raw material warehouse section at PT. A B C. This is because when in the field it was found that problems with the location of goods and the movement of goods in the material warehouse were still irregular which caused human errors when handling the storage and release of raw materials. This study aims to determine the comparison of the distance traveled in the initial layout and the proposed layout as well as the results of reducing the distance obtained to improve the location of goods so that they are more organized. In this study using the shared storage policy. The final results of this study show that the total distance (material handling) in the initial layout was 2,260 meters, then after a re-layout or proposed layout, the total distance traveled decreased to 1,644 meters. based on these results there is an efficiency reduction of mileage of 616 m or 27.2%.

Keywords: layout storage analysis, shared storage policy, material handling total distance