ABSTRACT

PT XYZ *is a 3PL company that opened warehousing, transportation, and distribution. One of the companies that use the services of PT XYZ are PT ABC engaged in FMCG. For this study focuses on one of the warehouses PT XYZ which is a raw material storage. PT XYZ's warehouse store raw materials that will be delivered to the plant PT ABC is located in two places, namely Pasar Rebo and Ciracas. But warehouse PT XYZ often experience delays in sending the goods. One reason is the activity in the warehouse for too long done.*

The first step is to map the flow of goods and information in the warehouse with the current state of design. Then identify the cause of the waste (waste) by 8 waste by using a checklist. Having discovered the cause of waste and will look for the root cause of the problem by using fishbone diagrams.

Proposed improvements made using Lean concepts with the appropriate application of lean tools, including warehouse slotting and visual control. After that, the future state design will be created to map the results back from the proposed improvements that have been made. In the design state furute decrease total processing time by 20.68% of the total time the process 1543.30 seconds to 1224.07 seconds. In addition, an increase in the percentage of value added time from 49.59% to 62.53%.

Keywords: Waste, Lean, Fishbone Diagram, Lean Tools