

## ***ABSTRACT***

*PT XYZ is a 3PL company engaged in the field of warehouse leasing and managing inventory. One of the PT XYZ's warehouse is leased to PT ABC. Frequent occurrence of excess warehouse capacity which reached 157.6 % causing disorganized placement, not optimal process and inventory handling in the warehouse that causing products delivery delays to customers of PT ABC.*

*The first step taken is to map the entire flow of information and materials that occur in the process in a rented warehouse of PT XYZ to PT ABC using the Value Stream Mapping (VSM). Further classification of all activities are made using the Process Activity Mapping (PAM). The next step is to identify the waste based on seven criteria of waste using checklist. Based on the checklist, obtained the types of waste that occurs are the waste of motion, transportation, waiting and overprocessing, then the root causes are searched using fishbone diagrams.*

*Improvements that proposed, such as Warehouse Management System (WMS), Warehouse Slotting, Visual Control, 5S, Work Standarization, Cycle Counting and Warehouse KPI. From the results of the design of the proposed future state map, it can be concluded that the level of wastage that occurs decreased to be 50.22% of the total process time in the total of 2475.843 seconds or 41.26 minutes, while the value added in the future state conditions to be 49.88%.*

*Keyword : Lean Warehousing, Value Stream Mapping, Process Activity Mapping, Checklist, Fishbone Diagram.*

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