

ABSTRACT

PT. XYZ is a 3PL company in Indonesia that provides a variety of logistic services. One of the services offered is goods handling in the warehouse. PT ABC engaged in FMCG products, is one of the customers of PT. XYZ today. Direct observation shows delay in the warehouse activities come from the choosing of storage location and the storage process its self , because it is done manually and pallet placement is done when the location is available and product discrepancy. The existence of delay in the warehouse activity, particularly in storing and picking activity inhibits the inbound and outbound activity. Products placement on shelves is done randomly by the operator that the allocation of SKU's storage on the shelves does not suit with characteristics of the product.

Value Stream Mapping (VSM) and Mapping Process Activity (PAM) is used to map the activity in the warehouse so that the process and the value of each activity can be known each time. Seeking activities and the storage process take the most time. The next step is to identify waste by means of a checklist and fishbone diagram based on the criteria of 7 waste. Products classification based on the analysis of product characteristics FSN. Slotting and zonation are also done to determine the capacity of each slot along with division of the location based on the products classification. According to these results, VSM future state shows the increase in value added by 22% compared to current conditions.

Keyword : *Fast Moving Consumer Goods, Value Stream Mapping, Process Activity Mapping, FSN Analysis, Warehouse Slotting*