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ABSTRACT

PT Arka Footwear Indonesia is a manufacturing company that produces shoes just for overseas shipping. PT Arka Footwear Indonesia has several warehouses one of them is a raw material warehouse that stores various raw materials to produce sneakers. The existence of the delay caused by the warehouse activity duration of activity picking, this is due to their mindless searching process. The product placement at random by the operator, causing misplaced on the storage of material on the shelf.

The initial step is to map all business processes and activities contained in the raw material warehouse PT Arka Footwear Indonesia by using Value Stream Mapping (VSM) and Process Activity Mapping (PAM) to obtain the processing time and the value of each activity, then obtained activity order picking who have non value added time at most. For product storage allocation was done in order to reduce non-value added time, especially in the picking process by classifying the correlated analysis coeficient, then do slotting and zonation at US area to specify the placement of items for each SKU based classification.

After the classification process, slotting and zonafication, then the next step is to design a Future State Map proposal, so we get the order picking time decrease 23.78% from the previous.

Keywords: *correlated storage, warehouse slotting, Value Stream Mapping, Procces Activity Mapping*