

ABSTRACT

Rumah Batik Komar is a company that engaged in the field of convection that located in Bandung. Rumah Batik Komar has a warehouse for tools storage, namely batik stamp warehouse. Stamp warehouse activity had process time under the standard time on order picking activity, which is 89%. This was due to stamp assignment is inappropriate and therefore this activity delay that causes a long search time.

The first step was to map the flow of goods and information in the warehouse with the current state design. So the process time and value of each activity was obtained. Based on current state design, order picking activity had the biggest non value added time. Therefore, this research did stamp storage allocation to reduce non value added time especially on order picking by classifying using OPITZ code approach, FSN analysis, then slotting and zonification to determine placement area for each SKU based on their classification.

After doing the classification, slotting, and zonification, the next step was designing the proposed future state design, it could be concluded that order picking time was decreased up to 7.69%. Meanwhile percentage of value added increased up to 2.72%.

Keywords: Warehouse, OPITZ Code, FSN Analysis, Zonification