

ABSTRACT

PT. ZZZ is a textile company that located in Cimahi. PT. ZZZ has a Raw Material Warehouse that stores yarn products or is a raw material for making fabrics with pallet storage with floor stack for two levels. There is a problem of delay in delivery of raw materials to the production floor which takes a lot of time. The long processing time occurs because the cycle time exceeds the set target time of the company is 10 minutes. The delay occurs because the searching time of the location of goods in picking activities long enough, because there is no storage policy or still done randomly. To solve the problem at Raw Materials Warehouse PT. ZZZ, conducted research by making the proposed design of goods storage allocation to reduce the process of searching the location of goods on picking activity.

There are five steps in this research, the first step is identifying the cause of delay, the second step is classify the product using FSN (fast, slow, non) Analysis, the third step is making slotting to know the requirement of each product slot, the fourth step is making codification and calculating the travel distance for determining reach time. The final step of this research is sampling calculation using the same picking list so we can compare the actual condition and proposed condition.

Based on comparasion of actual condition and proposed condition, the delay time decreased on search location of goods on picking activity by 157,93 seconds lower than the actual condition.

With the decrease of processing time on the location search of goods, the delay of delivery of raw material to the production floor can be reduced.

Keywords : Warehouse, FSN (Fast moving, Slow moving, Non-moving) Analysis, Warehouse Slotting