

ABSTRACT

PT Prissima (persero) is a company engaged in the garment industry that produces textile fabrics. When item placement in the warehouse is not regular, so that when the operator wants to take the item in the warehouse, the operator must unload the item that are blocking and this makes the operator perform movements that should not need to be done so as to minimize the resulting costs of the material handling process.

This research will be carried out in a warehouse to plan the layout of goods placement using the class based storage method. Where in the class based storage method the item are grouped based on the number of items that have the shortest frequency of time in the warehouse. With class based storage method is expected to minimize the movement of goods and minimize costs incurred in the warehouse.

From the processing and analyzing the results is do with method class based storage, the results can saving distance as many 11.033,09 meters with efficiency as many 38,5%

Keywords: *Planning Layout Of Goods Placement, Class Based Storage, Minimizing The Movement item And Costs In The Warehouse*