

## **ABSTRACT**

Slotting is the activity of determining the most appropriate storage location for each item in your warehouse. In slotting we make sure those things we use the most frequently are the most easily accessible. In doing so, the things that we don't use frequently will often naturally work their way back into those less accessible areas (slots). The items in your warehouse each have their own unique combination of characteristics. The most important characteristics is the frequency of physical touches for each specific item. As physical touch activities go, the one that gets the most attention is order picking. Successful warehouse slotting maximizes the use of available space within a warehouse through more efficient storage and picking, while reducing handling costs. Picking is a logistic warehouse's processes which involves taking and collecting articles in a specified quantity before shipment to satisfy customers' orders. It is a basic warehousing process and has an important influence on supply chain's productivity. Warehouse optimization is key to the efficient operation of warehouses of all sizes. A disciplined process, warehouse optimization includes automation and a determination of how to save time, space, and resources while reducing errors and improving flexibility, communication, management, and customer satisfaction. The problem of storage space optimization system based on different demand frequencies and different demand quantities.