

## ABSTRACT

*DHL Supply Chain Indonesia is one of the big companies in Indonesia engaged in logistics and transportation. Not only Starmart entrust its logistics activities to DHL Supply Chain Indonesia, but many companies that cooperate with DHL Supply Chain Indonesia. DHL Supply Chain Indonesia serves as the parties do order stock to suppliers. In addition DHL Supply Chain Indonesia also serve to control planning of the stock of goods of every retail.*

*Each retailer has a different schedule stock request - different. Therefore, it takes a good inventory planning in order to avoid shortage of stock products when needed or excess stock in the warehouse. The proper method to solve the problem of distribution and inventory by using Distribution Requirement Planning.*

*Inside Distribution Requirement Planning consists of two methods, the system and push-pull system. Pull system is a system that only operates for answering user requests. The goal is to buy / receive / send / make products as needed and when needed, and no supplies left. While the push system is a system in its operations trying to answer preplanned schedule for each operation, ignoring real - time status of the operation. The goal is to operate as scheduled. In a real situation on the ground, the appropriate method is the method of pull system. Where each retail goods did request to DHL Supply Chain Indonesia according to the amount and the date in the list of retail orders. But in fact, many retailers who demand goods outside a predetermined schedule and the amount requested exceeds the data on retail orders list. While the existing warehouse at DHL Supply Chain Indonesia limited. Therefore DHL Supply Chain Indonesia limiting each retail warehouses. Where the number of warehouses have been reckoned beforehand for each retail.*

*DHL Supply Chain also did not dare to leave the stock of goods belonging to retail Starmart other to avoid stock shortages are increasing. So for now DHL Supply Chain Indonesia always give the stock of goods in accordance with any retail order list although the quantity demanded does not always correspond with the needs.*

*If Starmart book stock of goods for DHL Supply Chain Indonesia, the stock of the goods ordered can meet the demand of goods for 2 months for each retail. This can reduce costs to be incurred by DHL Supply Chain Indonesia, such as the order cost and storage cost, in addition to the DHL Supply Chain Indonesia can make savings in storage space.*