

## ***ABSTRACT***

*Telkom Flexi Regional Jakarta is a company that use inventory to do their operational activities. Based on information from the company, Telkom Flexi Regional Jakarta doesn't use a specific method to make inventory planning. So ,it only do their planning based on the experiences and intuition from the top management. Then, it makes overstock products in this company.*

*Lot sizing method is an approach that can be used to make inventory planning in this company. Lot sizing techniques are better approach based on condition, so it can help company more effective to make inventory planning.*

*Lot sizing approaches is used by lot for lot method, silver meal method, least unit cost method, and wagner within method. According to the calculation at Telkom Flexi, we conclude that the best method for recommendation to the company is lot for lot method. It is seen by total inventory cost on lot for lot method is the smallest cost from other methods and give more efficient result, that is equal to 40.66%.*

*Besides that, we add an application that ease of making inventory planning. Hopefully, the condition will be better with this application and the company can use the chosen method to make inventory planning.*

*Keywords : inventory, lot size, wagner within*