

ABSTRACT

PT. XYZ is a 3PL company that provides warehousing service, distribution and transportation. One of customer XYZ is company with item belonging to the category of FMCG. The level of accuracy which is owned by PT XYZ average is 99.4%. PT XYZ conducting a stock take every day for 16 hours with total SKUs are counted as many as 145 SKU. Stock take activities require a fee of Rp 54.914.500. The costs incurred PT XYZ for every month are not comparable with the inventory record accuracy has been achieved. Inventory record accuracy PT XYZ still below the target. Therefore planning new stock take policy to minimize the costs incurred for stock take activities and improve inventory record accuracy PT XYZ is required.

Cycle counting method calculation is used to determine the number of SKU that is calculated every day, then to determine the schedule stock take activities and do the analysis of business processes using business process improvement by streamlining tools. Streamlining tools will produce shorter cycle time activities. The use of cycle counting method chosen to focus product calculations based on demand and value of owned products each SKU.

The implementation of proposal stock take policy can reduce the time stock take activities for 20.81% and to minimize the cost of activities stock take of 43.79% or Rp 24.046.240 every month. Business process stock take activities decreased time from 868 seconds to 686 seconds and the time to calculate one SKU that is for 4.72 seconds

Keywords— 3PL, third party logistic, cycle counting, stock take, stock take cost.