ABSTRACT

PT. Kimia Farma Tbk is a public company which focused on health product supplier. It is also one of the biggest industries in Indonesia that produces more than 350 types of medicines, so the company needs more raw materials, certainly, which is 679 items, that contains of 446 items of packaging raw materials, 119 items of main raw materials, and 114 items of supporting raw materials.

Every single day, Supervisors of PPPI are checking one by one the actual stock of those raw materials based on outgoing raw materials data. This certainly needs more time. Then, when ordering raw materials, it depends on the amounts of remaining safety stocks in warehouse. In controlling the inventory of raw materials, the calculations are still manually done using Microsoft Excel.

Those things can cause an error in calculating the actual stock and also inaccuracy of time in ordering the required raw materials. Because of no warning sign when the inventory can't fulfill the demand, it causes the responsive rate of raw materials need is very low so the stock out will happen in warehouse.

With this raw material inventory management information system design, it is expected to support the company in finding out the actual condition of inventory. This information system is designed based on the analysis of existing process channel in Inventory and Production Controlling Design Subdivision (PPPI) and Warehouse Subdivision.This raw material inventory management information system design is completed by warning of the actual stocks that automatically appeared and also email or automatic short message service which sent to manager about actual stocks in warehouse. Moreover it is also completed by the calculation recommendation of raw material inventory management using Q method, where calculates optimum ordering of raw materials using Economic Order Quantity, the amount of safety stock, and reorder point.

Keywords: Actual Stock, Stock Out, Economic Order Quantity, Reorder Point, Safety Stock, Email, SMS, Warning.