ABSTRACT

The main object of this research is design of production planing and control the inventory level with JIT (Just-in-Time) methode by using Kanban Information System. Minimizing inventory level allocation, whether it is raw material or production inventory, is the most important part of Production planing and control in production activity. With limitation and company consideration inside factory, neither the under or over stock might disturbed production flow activity and company lifecycle.

Kanban system design is for the use in production floor, internal factory, without considering outside elements. The main purpose is to minimize production inventory level. This paper estimate the attributes of kanban information system, include : main informations that kanban card had, stock level, capacity and quantity of flowrack, and also standard operation procedure design for operator activity in kanban card flow.

Hopefully the results of this research can build a new system, that easy to understand and can be use by the company on production planning and control.