



# A STUDY ON KANBAN SYSTEM IN A MANUFACTURING COMPANY

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## ABSTRACT

The research is a study on Kanban System at a manufacturing company. The aim or objective of this study is to identify the suitable place to implement Kanban system at the company and to identify benefits of Kanban system at the company. The use of Kanban System are to eliminate overproduction and to keep the inventory stable while maintaining the lower cost of production. There was important to the company to have a Kanban System at the right place so everyone in production can take this as a signal to them as a guide to start production.

## INTRODUCTION

As a manufacturing company it is very crucial to have exact data about customer requirements. There were occurs overlap in production of product and attempting of risk inventory.

1. Where are the suitable places to implement Kanban System at the company?
2. What are benefit of Kanban System that implement at the company?

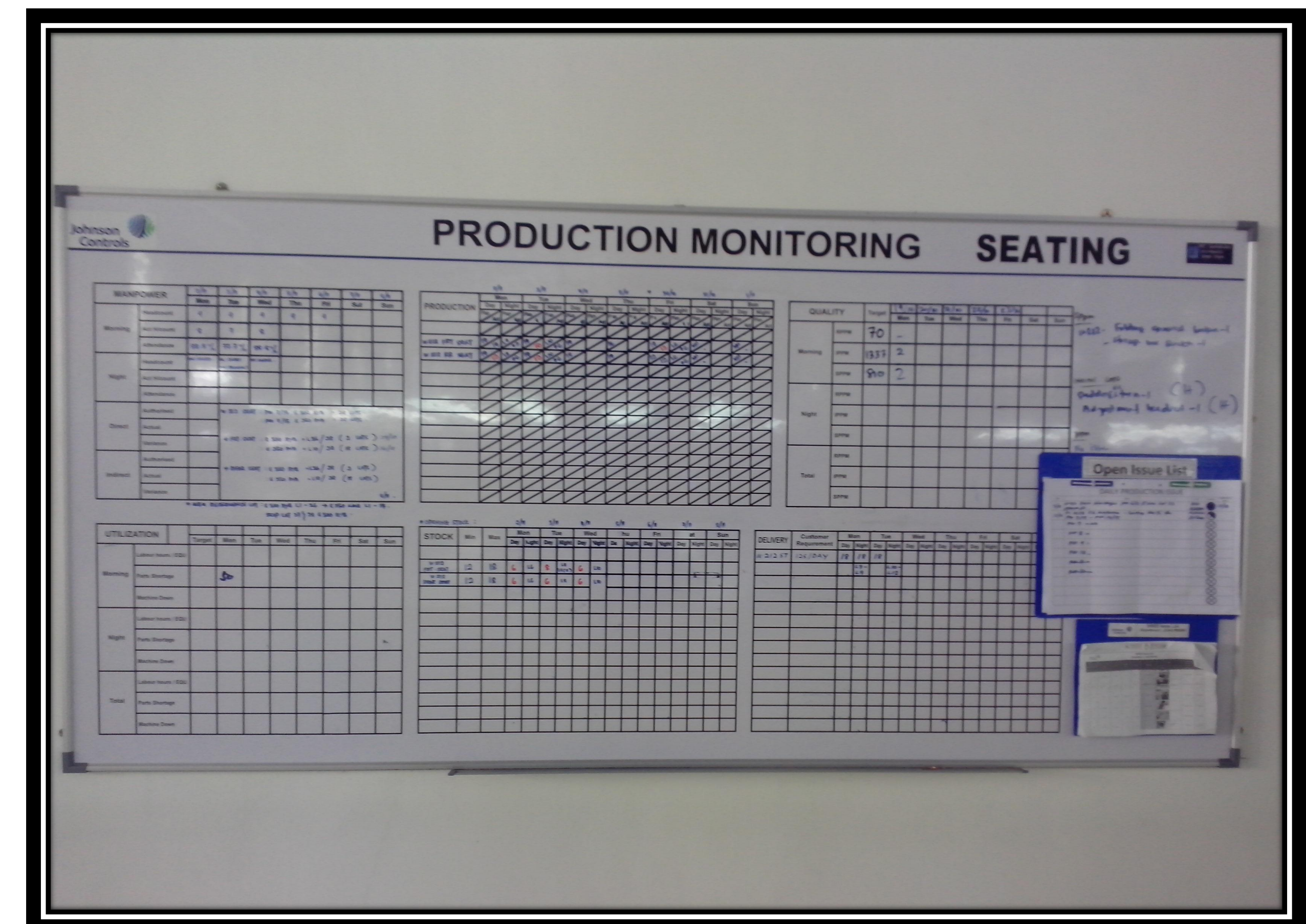
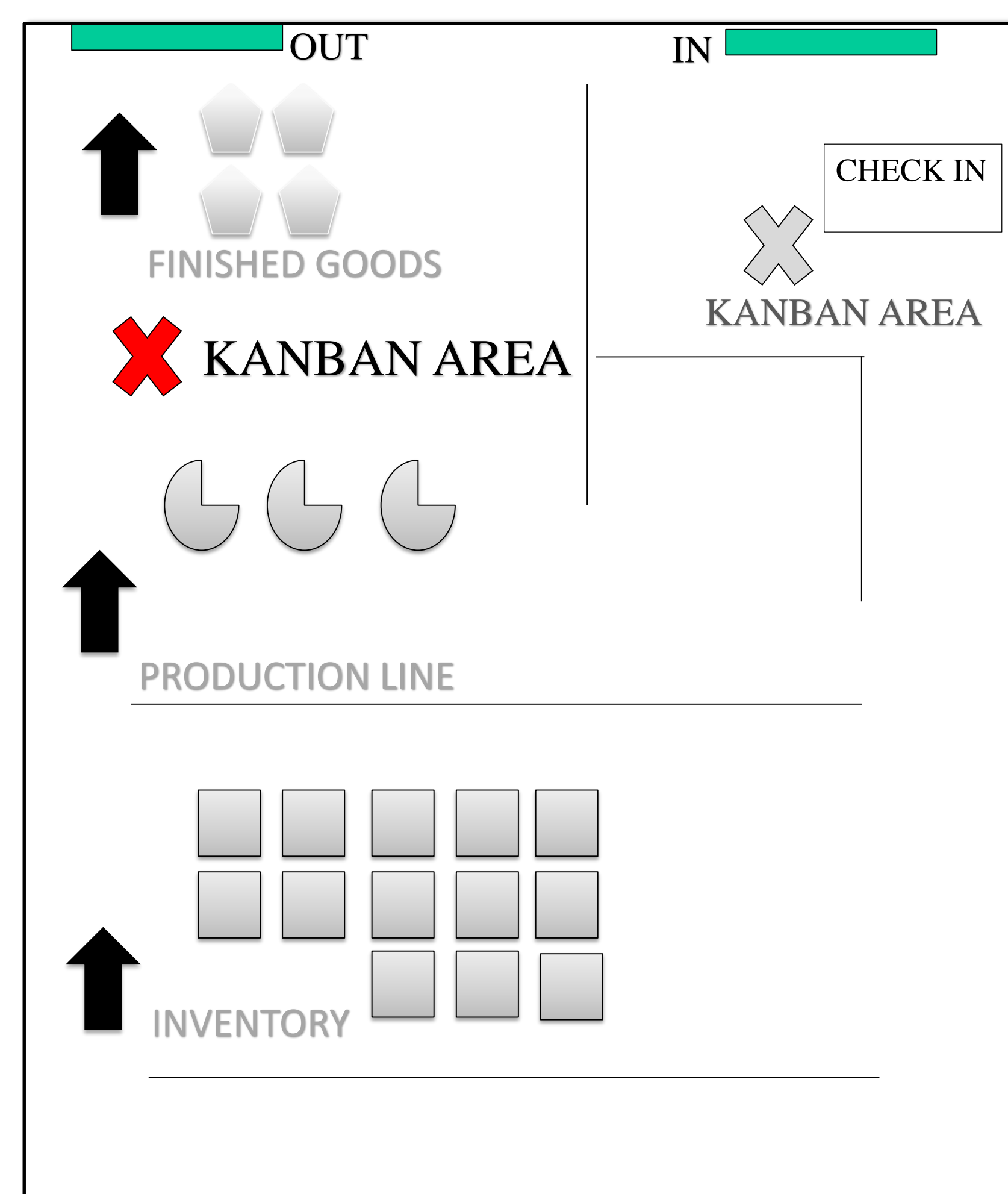
## OBJECTIVE/S

- To identify the suitable place to implement Kanban System at the company.
- To identify benefits of Kanban System that implement at the company.

## METHODS

- Case Study : Study about the significant of the study.
- Observations: conduct at the whole manufacture company and original Kanban placement.
- Interview: interview person in charge (PIC) and production people.


## RESULTS



1 LOT=6 SET  
4 LOT PER-DAY

This is example of plan layout of the company where the inventory at the back of the manufacture company, in the middle the of production where the work-in-progress (WIP) process do, after this process done the finished goods were send to the finished goods area where at the finished goods area are the place to keep the finished goods ready to send to the company.

This whole process are trigger by the Kanban System at the front of the company near to the finished goods were send to the customer as easily for the worker to identify how much need to be done for today production.

SUPPLY KANBAN CARD			
PART DESCRIPTION		CARD NUMBER	
Seat W212			
SET 1,2	SET 2,3	SET 5,6	
LOT NUMBER			
8			
QUANTITY			
2 SET			
MODEL		DETAILS	
E250		1 lot 4 seats	
PACKING/MONTH		KANBAN	
03/15		Min 2 lot Max 4 lot	
SUPPLY DATE			
23/7/15			

KANBAN CARD AS A TRIGGER FROM CUSTOMER TO THE COMPANY TO RUN THE PRODUCTION.



FLOOR LINE AS A MARK TO THE PRODUCTION ON NUMBERS OF FINISHED GOODS.

## BENEFIT

1. OVERPRODUCTION ELIMINATION
2. SMOOTHER MANUFACTURE
3. CONTROLLED INVENTORY SYSTEM
4. REDUCED RISK OF INVENTORY

## CONCLUSIONS AND RECOMMENDATION

From this study we can conclude that the objective of study were achieve where researcher can identify the place for Kanban and the use of Kanban where it is very useful to the manufacturing company as to meet customer requirements meanwhile to cut the cost of production and everything must go on flow at very short period of time. For the future, hopefully this study were able to use widely in manufacturing company and our local company must have this system because it is very useful and practical to them.