



**IMPLEMENTATION OF EXTERNAL KANBAN AT
AUTOKEEN SDN. BHD.**

**MOHD ARIFF AKMAL BIN MOHD YUSOFF
(2004104584)**

**BACHELOR ENGINEERING (HONS) (MECHANICAL)
UNIVERSITI TEKNOLOGI MARA (UiTM)
NOVEMBER 2007**

“I declared that this thesis and in my point of view this thesis is qualified in term of scope and qualify for the purpose of awarding the Bachelor Degree of Mechanical Engineering.”

Signed : ...
Date : 29/11/07

Project Advisor
PUAN AZIANTI BINTI ISMAIL
FACULTY OF MECHANICAL ENGINEERING
UNIVERSITI TEKNOLOGI MARA (UiTM)
40450 SHAH ALAM
SELANGOR DARUL EHSAN

ACKNOWLEDGEMENT

In the name of Allah, the Most Compassionate, the Most Merciful. Praise to Him, the lord of the universe. Blessing and solution of peace to Holy Prophet Muhammad (peace be upon him) and his companion and those who follow him as upholding the cause of the right religion. I am very grateful for His kindness for giving me the chance to have the determination and strength to complete this final project.

First of all, I would like to express appreciation to my final year project advisor, Pn. Azianti Ismail for her kindness in helping and giving me valuable guidance, advices and share experiences in this project “Implementation of ‘External Kanban’ At Autokeen Sdn. Bhd.”.

I would like to express my sincere gratitude and appreciation to Hj. Abdul Rahman Ahmad(owner of Autokeen Sdn. Bhd.), En. Amizi Noor(plant manager) and En. Asyfar Hj Abd Rahman(supervisor) for their contributions and guidance in implementing the ‘External Kanban’. Not forgetting to all Autokeen worker workers that involve directly and indirectly during the completion of the system.

I would like to thank those are involved in the completion of the project and also to my colleagues who have given a lot of ideas and advise to make this final year project successful.

ABSTRACT

The main objective of this project is to implement the External Kanban at Autokeen Sdn. Bhd. Most of the manufacturer in the world is trying to achieve the world class manufacturer where the world class manufacturer is a benchmark to show that they have the proper system in the factory. One of the world class manufacturer is Toyota where they using the Toyota Production System (TPS). TPS is a technology of comprehensive production management where the purpose is to maintain a continuous flow of products in factories in order to flexibly to demand changes. The realization of such production flow is called Just in Time (JIT) and one of the tools to achieve it is by using the Kanban system. Kanban is a system of continuous supply of components, parts and supplies. This project focused on the previous system that been used and find the way to implement the External Kanban replacing the existing system.

TABLE OF CONTENTS

CONTENTS	PAGE
PAGE TITLE	
ACKNOWLEDGEMENT	vi
ABSTRACT	vii
TABLE OF CONTENTS	viii
LIST OF TABLES	xii
LIST OF FIGURES	xiii
CHAPTER 1 INTRODUCTION	
1.1 Overview of The Project	1
1.2 Objective of Project	2
1.3 Scope of Project	3
1.4 Methodology	
1.4.1 Literature Review	5
1.4.2 Visit to Companies that Already Implemented the Kanban System	5
1.4.3 Description of the Current System	5
1.4.4 Implementation of the External Kanban	6
1.4.5 Analyze The Result	6
1.4.6 Recommendation	6
	viii