

SUPERVISOR'S APPROVAL

INVENTORY MANAGEMENT SYSTEM FOR TURBO DIAGNOSE TECH SDN.BHD.

By

**NUR AINAA NADIAH BINTI ROSLAN
2013824078**

This report was prepared under the supervision of the project supervisor, Dr. Elin Eliana Binti Abdul Rahim. It was submitted to the Faculty of Computer and Mathematical Sciences and was accepted in partial fulfilment of the requirements for the degree of Bachelor of Information Technology (Hons) Information System Engineering.

Approved by

.....
Dr. Elin Eliana Binti Abdul Rahim
Project Supervisor

JULY 2016

STUDENT'S DECLARATION

I certify that this report and the project to which it refers is the product of my own work and that any idea or quotation from the work of other people, published or otherwise are fully acknowledged in accordance with the standard referring practices of the discipline.

.....
NUR AINAA NADIAH BINTI ROSLAN
2013824078

JULY 2016

ABSTRACT

Inventory management system was developed for company Turbo Diagnose Tech Sdn.Bhd, Samudera Industrial Park, Batu Caves, Selangor. Intention of system development is to cater a problem for admin and staff of company regarding in managing their inventory. This project was develop to help owner in track the flow of inventory by giving a notification. For guideline of this project development, SDLC methodology was used. Waterfall model was choosen which contain five phases; planning, analysis, design, implementation and maintenance. This only covered until phase implementation. From the waterfall methodology, there a few diagram that involves in this project for a briefing the flow of system such as use case, activity diagram, multilayer architechture, etc. Recommendation was included in case there is a enhancement that stakeholder intend to do so. In conclusion, this inventory management system cater stakeholder to managing inventory and keep in touch with the supplier.

TABLE OF CONTENTS

CONTENTS	PAGE
SUPERVISOR'S APPROVAL	i
STUDENT'S DECLARATION	ii
ACKNOWLEDGEMENT	iii
TABLE OF CONTENTS	v
TABLE OF FIGURE	viii
LIST OF TABLES	x
LIST OF ABBREVIATIONS	xi
CHAPTER 1 BACKGROUND STUDY	1
1.1 Introduction	1
1.2 Research Background	1
1.3 Problem statement	2
1.4 Aim	3
1.5 Objective	3
1.6 Research Scope	3
1.7 Research Significance	4
1.8 Limitations	4
1.9 Summary	4
CHAPTER 2 LITERATURE REVIEW	6
2.1 Systematic Business Organization	6
2.2 Existing system in Turbo Diagnose Tech Sdn.Bhd	6
2.2.1 Paper Based System	6
2.2.2 Excel Vertex 42, Inventory Tracking Software	7
2.3 Inventory Management System and Method	8

2.4	SDLC Approach	10
2.4.1	Agile Model	10
2.4.2	V-Model	11
2.4.3	Waterfall Model	12
2.5	Similar Inventory Management System	12
2.5.1	TradeGecko	12
2.5.2	InFlow	14
2.5.3	BrightPearl	14
2.6	Discussion	16
CHAPTER 3 METHODOLOGY, SOFTWARE AND HARDWARE		18
3.1	System Development Life Cycle (SDLC)	18
3.1.1	Waterfall Model	19
3.2	Detail Activities	20
3.2.2	Requirement Analysis Phase	21
3.2.3	Design Phase	22
3.2.4	Implement Phase	23
3.3	Project Timeline	24
3.4	Software	25
3.4.1	Netbeans IDE 8.1	25
3.4.2	PhpMyAdmin 5.2.10	25
3.5	Hardware	26
3.5.1	Dell Inspiron Model N4010	26
3.6	Summary	26
CHAPTER 4 CONSTRUCTION, RESULT AND FINDNG		27
4.1	Requirement Gathering and Analysis	27