

DEPARTMENT OF BUILDING SURVEYING FACULTY OF ARCHITECTURE, PLANNING AND SURVEYING UNIVERSITI TEKNOLOGI MARA

A STUDY ON MAINTENANCE MANAGEMENT AT PRIVATE HOSPITAL IN KLANG VALLEY

SITI NURHAKIMAH BINTI RAMLE (2006136329)

BACHELOR OF BUILDING SURVEYING (HONS)

OCTOBER 2008

ABSTRACT

There is growing need and demand for Private Hospital service in Malaysia. This can be seen from the amount of Private Hospital in Malaysia. The study focuses on maintenance management at Private Hospital in Klang Valley area. To complete this research, five numbers of Private Hospitals were selected as case studies. Maintenance in each private hospital was control by hospital maintenance department. Scope of work for maintenance at each hospital is totally covered by them but there is some of work which is need specialist will be outsourced to contractor.

Aim of this dissertation is to study the maintenance management at Private hospital building and make some improvement to maintenance management system there. To achieve the aim of this study, five objectives have been set, to overview the nature of maintenance management, to understand and to know about maintenance management practice at private hospital in terms of maintenance organization, to study about maintenance programmed, to identify the problems faced during maintenance works and solution to the problems and to recommend anything related with maintenance management to management staff.

This research focused on Private hospital building's in Klang Valley. The methods that really assist in this dissertation is by using Primary data and secondary data were gathered from questionnaire, site visits, observation, interviews and technical publications such as books, articles, journal and internet. To analyze the questionnaire, it can be using the Microsoft Excel.

i

Through the interview session, visual observation and questionnaire, it will define that the information or data was collected. There are some aspects in term of maintenance management practice at private hospital will be define such as the problem occurred for instance the lack of maintenance staff, the lack of maintenance budget, improper maintenance programmed, control and monitoring the maintenance staff and record system of maintenance work.

It is hope that this dissertation would give clear perception to the reader on maintenance management concept and hope that this may be of direct assistance to the practical application of management of maintenance work.

TABLE OF CONTENTS

CON	NTENTS	PAGE
Abstract		i-ii
Acknowledgement		iii-iv
Table of Contents		v-viii
List	List of Figures	
List of Abbreviations		xii
Chap	oter 1: Introduction	
1.1	General	1-2
1.2	Issue of topic	3-4
1.3	Aim	4
1.4	Objectives	5
1.5	Scopes of study	5
1.6	Methodology	5-7
1.7	Research Methodology	8
1.8	Chapter Outline	9-10
Chaj	pter 2: Maintenance management	
2.1	Definition of maintenance	11-13
2.2	Maintenance Classification	13-17
2.3	Nature of Maintenance	17-19
2.4	Maintenance Programmed	20
2.5	Definition of Management	20-21
2.6	Definition of Maintenance Management	21-
	2.6.1 Maintenance Organization	22

	2.6.1.1 Maintenance organization Functions	23-24
	2.6.1.2 Maintenance organization structures	25
	2.6.1.3 Maintenance organization source	26
2.7	Maintenance management process	27-28
2.7	Wallie Management process	
Chap	ter 3: Private Hospital in Klang Valley	
3.1	Overview of general hospitals	29-30
3.2	Types of hospital	30-31
3.3	Private hospitals in Malaysia	31-32
3.4	Overview of private hospitals	32
3.5	Revolution of private hospitals	32-33
3.6	Responsibility of private hospitals	33
3.7	Monitoring the quality of care at private hospital	33-34
3.8	Establishment of private hospitals	34
3.9	Private hospitals Act 1971	34
	3.9.1 Regulations	34-35
3.10	Facilities and services	35-36
3.11	Definition of Klang Valley	36-38
Chan	ter 4: Case Studies	
Спар	ter 4: Case Studies	
4.1	11.6	
4.1	Introduction	39
4.2	Case study 1: Ampang Puteri Specialist Hospital (APSH)	40
	4.2.1 Background	40
	4.2.2 Facilities and services	41
	4.2.3 Maintenance organization chart	42