

JABATAN UKUR-BANGUNAN
FAKULTI SENI BINA, PERANCANGAN DAN UKUR
UNIVERSITI TEKNOLOGI MARA

THE APPLICATION OF TIME PLANNING AND MONITORING TECHNIQUES IN
MALAYSIA CONSTRUCTION INDUSTRY

ANIS AZLINA BINTI AHMAD FUAD

2000327065*

UAZAH SARJANA MUDA UKUR BANGUNAN (KEPUJIAN)

SEPTEMBER 2002

ACKNOWLEDGEMENT

I would like to express my deepest appreciation to my project supervisor, En. Zuhairuse Md. Darus for his invaluable guidance and supervision during the course of preparation of his project dissertation.

A special work of thanks are also directed to:-

1. En. Ghazali Mohd. Amin : Head Of Department Of Building Survey Department.
2. All the lecturers of Building Survey Department.

For their guidance and encouragement.

I also would like to thank to Perpuatakaan Kompleks Tahir Majid's (FSPU), Perpustakaan Negara's librarians for their enthusiastic help and effort.

PREFACE

In writing this project dissertation, I am prompted to write on the topic of "The Application Of Time Planning and Monitoring Techniques In Malaysia Construction Industry"

This is because I always felt that the success of a project is very much depending on a proper management skill and planning techniques used.

Among the various planning techniques, time planning and monitoring techniques are used by most of the contractors in the construction industry but very often these techniques are used for "show" only. This is especially true amongst the "small" contractor in Malaysia construction industry. Bar chart are drawn for the mere purposed to comply with the contract requirement and very often the programme is not updated to suit the latest development or progress on site.

The main objective of this project dissertation is to introduce the 3 main basic time-planning techniques i.e. bar chart, line-of-balance and critical path method to the "small contractor in the Malaysia construction industry.

My secondary objective is to investigate the extent of usage of each of the time-planning techniques in local construction industry and at the some time to find out whether the usage of each type of time planning techniques

adhere to what has been recommended in the text, such as CPM for complex project, line-of-balance for repetitive work and bar chart for simple project.

The usage of each type of planning technique in relation to size of a company, and project characteristic will be examine in the research section (questionnaire)

Case study section will be focus on time planning and monitoring techniques that are used most extensively in Malaysia construction industry so as to provide a more practical approach in applying time planning and monitoring techniques in local context.

TABLE OF CONTENT

ACKNOWLEDGEMENT

PREFACE

LIST OF FIGURE

1.0 CHAPTER 1 : INTRODUCTION

1.1	Scope Of Study	1
1.2	What Is Planning	2
1.3	Role Of Planning	3
1.4	Steps Of Planning Method	5
1.5	The Important Of Monitoring	7
1.6	Steps involve In Monitoring Progress	3

2.0 CHAPTER 2 : APPLICATION OF TIME PLANNING AND MONITORING TECHNIQUES.

2.1	Introduction	10
2.2	What Is Bar Chart	10
2.21	How To Construct Bar Chart	13
2.22	Advantages And Disadvantages Of Bar Chart	15