

**CENTRE OF STUDIES  
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**THE IMPLEMENTATION OF JUST IN TIME (JIT) IN  
CONSTRUCTION PROJECT**

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**Academic Project submitted in partial fulfilment of the requirements  
for the degree of  
Bachelor of Building Surveying (Hons)  
Centre of Studies in Building Surveying  
Faculty of Architecture, Planning & Surveying**

**July 2012**

## ABSTRACT

The implementation of Just In Time (JIT) in construction project in Malaysia has started since the early on 1990. In the early stage, this concept is beginning from industry motoring companies which is producing the car (Toyota). The study covers the process of producing a product to be produced based on demand and citizen of the country's population. Through this concept, it has grown to companies that carry out the construction development. This study is conducted to fulfill writer research objective to identify the concept of "Just In Time" (JIT) in Malaysia where to investigate which part of the concept "Just In Time" will be used in Malaysia industry construction. Besides, it also wants to determine whether the JIT concept can have a significant impact on small-scale project in terms of cost, time and quality. Methodology of this study carried out in four stages in order to get a source for the primary and secondary data. Primary data writer had drafted a sample of questionnaire and distributes to relevant respondents to get a feedback regarding research. Secondary data are collecting by reading books, journals and articles from related previous study. Respondent are dividing in 4 groups level which is project manager, engineer, site supervisor and staff officer. Locations of the research case study were in Selangor State (Pandan Indah, Serdang and Cheras) and Putrajaya. The analysis and finding give the result of study that implementing JIT at the site area. This study was explained about the effectiveness by doing the concept and the results of implementing in works.

## ACKNOWLEDGEMENT

First of all, I would like to thank God Almighty for all kindness, blessings, happiness, and prosperous lives. Then, I would like to express highly appreciation to my supervisor, Sr. Ellemyskandar Khalid who gives me support and guidance during my study. I also would like to express highly appreciation to my parents who always pray for my success and give me a lot of advice during completing my dissertation. To my siblings, Mardhiah, Muadz, Mukri, Mukhlis and Mukhsin thank always for supporting me. I would like to express highly appreciation to KHN Trading & Construction Resources, KHN Construction Resources, Max Global Paint Resources and Generation Global Resources who are help me a lot to complete my case study in this dissertation. Many thanks also to all lecturer and staff Building Surveying Department, and also to the Faculty of Architecture, Planning and Surveying of Universiti Teknologi Mara.

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## 1.1 INTRODUCTION

"Just in time" is a management system which carried out to launch a work process. This concept is beginning from industry motoring companies which is producing the car (Toyota). The study was covers the process of producing a product to be produced based on demand and citizen of the country's population. Through this concept, it has grown to companies that carry out the construction development. Normally, the developers or contractors are using this concept to facilitate the management of a project. So, the people who are involved in this industry should have responsible in order to realize the project. In construction, the project manager is responsible to take care the project until the project is complete. So, each stage of construction should be carefully planned so that the projects can run smoothly. There are several things that need to be addressed in planning the construction of buildings.

There are:

- 1) Material choosing
- 2) Delivery
- 3) Method of construction
- 4) Labor
- 5) Plan back up
- 6) Weather
- 7) Progress payment
- 8) Supplier
- 9) Time
- 10) Information of previous project