

**CENTRE OF STUDIES BUILDING SURVEYING
FACULTY OF ARCHITECTURE, PLANNING AND SURVEYING
UNIVERSITI TEKNOLOGI MARA**

**READYNESS OF MAINTENANCE ORGANISATION IN
IMPLEMENTING BUILDING INFORMATION MODELLING (BIM) ON
MAINTENANCE OPERATION**

**MUHAMMAD RAIZZUDIN B AB RAHSID
(2010502125)**

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

July 2013

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**“I hereby declare that this academic project is the result of my own research
except for the quotation and summary which have been acknowledged”**

Student's Name : Muhammad Raizzudin B Ab Rashid

Signature : 

UITM No. : 2010502125

Date : July 15th 2013

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**ACADEMIC PROJECT
BSB 608 & BSB 658**

CONFIRMATION OF ACADEMIC PROJECT AMENDMENTS

**This is to confirm that the student has amended his/her
academic project as directed and therefore allowed to compile**

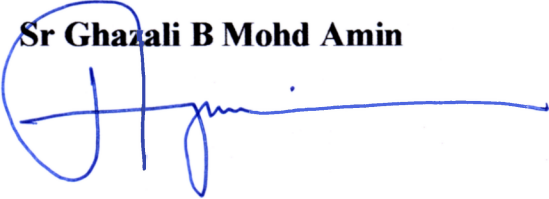
Marks	Grade
75	A-

Student's Name : **Muhammad Raizzudin B Ab Rashid**

UITM No. : **2010502125**

Title : **READYNESS OF MAINTENANCE ORGANISATION
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MODELLING (BIM) ON MAINTENANCE
OPERATION**

Supervisor's Name : **Sr Ghazali B Mohd Amin**

Signature : 

Date : **July 15th 2013**

ABSTRACT

Building Information Modeling (BIM) is a new system approach to design, construction and maintenance management in which a digital representation of the building process is being created into facilitating the exchange and interoperability of information in digital format. In Malaysia, this system is still new system especially in maintenance work. In construction it already applies but in maintenance it's still new. Some organization already applied especially private organization, for public organization it's still in phase of trial. The objective of the study includes the level of knowledge of the organization, to identifying the level on BIM tool utilization, identifying the challenges and barriers and strategies for the implementation of Building Information Modeling (BIM) in local maintenance industry.

A questionnaire are distributed where responses 30 respondents in the field of Building Facilities management and maintenance. All the questionnaires are answered and duly return the questionnaire. The data collected was analyzed and the conclusion and recommendation are made. In conclusion, the study has identified several strategies for building Information modeling to be implemented and utilized in maintenance services industry.