

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

**SAFETY FEATURE IN INSTALLATION INDUSTRIALIZED
BUILDING SYSTEM (IBS) COMPONENT**

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

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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 : Syed Muhamad Jefri Bin Syd Hamid

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UITM No. : 2011979155

Date : January 27th 2014

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**ACADEMIC PROJECT
BSS 608 & BSS 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
50	C

Student's Name : **Syed Muhamad Jefri Bin Syd Hamid**

UITM No. : **2011979155**

Title : **Safety Features In Installation
Industrialized Building System (IBS)
Component**

Supervisor's Name : **Puan Elma Dewiyana Binti Ismail**

Signature :

Date : **January 27th 2014**

ABSTRACT

Industrialized Building System (IBS) is one of the technologies which can be categorized long-standing technology in developed countries. IBS is a technique whereby components are manufactured in a controlled environment, either at site or off site and transported, positioned and assembled into construction work. IBS is also known as pre-fabricated, modern method of construction (MMC) and off-site construction. There are five categories of the IBS normally used in Malaysia which are precast concrete framing, panel and box systems, steel formwork system, prefabricated timber framing systems, and block work systems. Precast concrete is one of the main IBS category built in Malaysia since 1960s. The purpose of this study is to provide a general perspective of safety in precast concrete construction by achieving specific objectives which are study and investigate the best process of installation of IBS components at site and to study the safest method of IBS. The data were collected from three different case studies around Klang Valley. Some data from journal, articles, newspaper, and internet source also been used to support the research.

The data that gathered from the case studies will be analyze and some data from the interview also been used. This study also can provide knowledge to contractors and workers about the safety aspect during installation of precast concrete components thus will decrease the percentage of accident and giving the high quality management of a construction project in the future.

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