



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

**A STUDY ON HANDLING PROCESS OF INDUSTRIALISED BUILDING
SYSTEM (IBS)**

**This academic project is submitted in partial fulfillment of the
requirement for the Bachelor Of Building Surveying (Hons.)**

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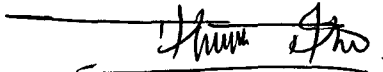
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(IBS)

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

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ABSTRACT

Industrial Building System (IBS) is defined as a construction system which components are process fully industrialized production, on or off site, positioned and assembled technique into structures with minimal additional site work. This is opened building system currently applied in Malaysia especially for educational building, residential building, office building and others.

The handling process mainly involves the removal of the precast element from factory, transportation to storage of yard or directly to construction site. The defect will be occur during the handling process at transportation, storage of factory or storage at construction project if the process is not properly. Also, if the process is not regarding the guideline and handling procedure it more susceptible in precast design strength, durability and workability. Especially for element of large element such as long span structure (roof trusses), and large size of floor element and wall element, it must provided the temporary bracings or ties for safe handling.

These research objectives is to analysis the handling process of precast concrete in Industrialised Building System (IBS) in manufacture and the construction project in Malaysia. The second objective is identifies the defect and problem during delivery process and last research is to find out the solution for a better handling process for precast concrete.

This research to prove that the handling process of precast concrete method has significant in manufacture and construction project in Malaysia. A typical manufacture and construction project using the widely popular precast concrete or IBS method needs to be selected for the study purposes. This study also could improved and upgrade the handling process of precast concrete in Malaysia.

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