

INDUSTRIALIZED BUILDING SYSTEM (IBS) IMPLEMENTATION AMONG MALAYSIA  
BUILDING DESIGN CONSULTANTS

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## **ABSTRACT**

The challenges often occur in the area of productivity, efficiency of work, quality of work and the delivery of work. The intensive use of foreign unskilled workers, low technology equipment and out-dated construction methods, have eventually caused low productivity and inefficiency of work at construction site. Industrialized building system is the improvement for those existing problems. The IBS Roadmap 2003 -2010 has been endorsed by the Cabinet as the blueprint document for the industrialization of the Malaysian construction sector. The effort to promote the IBS execution as a faster completion with mass production of the building elements and alternative to conventional and labor intensive construction method has not been achieved yet. Through CIDB research result, Construction Research Institute of Malaysia (CREAM 2007), the failure effort to Industrialized Building System (IBS) implementation was unpopular choice among building design consultant. A study was conducted to analyze ways to improve the implementation of Industrialized Building System (IBS) in Malaysia among building design consultants such as architect and civil engineering by recognizing the level of their understanding and readiness regarding Industrialized Building System (IBS) as known, Industrialized Building System (IBS) is unpopular choice among Malaysia building design consultants. Moreover, this study also aims to increase the Malaysia building design consultants' enthusiasm to participate this system by identifying barriers contributing to the unpopular of Industrialized Building System (IBS) in Malaysia among building design consultants, and suggesting any amendment or remedy to unpopular choice of Industrialized Building System (IBS) issue among Malaysia building design consultants.

## ABSTRAK

Cabaran sering berlaku di lingkungan produktiviti, kecekapan kerja, kualiti kerja dan penyerahan pekerjaan. intensif penggunaan pekerja mahir asing secara globalisasi, penggunaan peralatan teknologi rendah dan kaedah pembinaan yang tinggal zaman, telah menyebabkan produktiviti yang rendah dan ketidakcekan kerja di lokasi pembinaan. Industrialized Building System (IBS) merupakan penyelesaian bagi masalah- masalah tersebut. Roadmap IBS 2003 - 2010 telah disahkan oleh Menteri Kabinet untuk menjadi ranga perancangan bagi perindustrian sektor pembinaan Malaysia. Namun, usaha untuk mempromosikan pelaksanaan IBS untuk mempercepatkan pengeluaran and pembentukan elemen bangunan dan alternatif bagi kaedah konvensional dan tenaga kerja pembinaan yang intensif masih belum tercapai. Dengan CIDB melalui hasil kajian, Institusi Penyelidikan Pembinaan Malaysia (CREAM 2007), kegagalan usaha untuk pelaksanaan Industrialized Building System (IBS) adalah ia tidak popular di kalangan perunding bangun design. Satu penelitian dilakukan untuk mengetahui cara-cara untuk meningkatkan pelaksanaan Industri Industrialized Building System (IBS) di Malaysia antara perunding bangunan design seperti arkitek dan jurutera awam dengan mengenali tahap kefahaman dan kesediaan tentang Industrialized Building System (IBS) sebagaimana diketahui, Industrialized Building System (IBS) merupakan pilihan yang tidak popular di kalangan perunding bangunan design di Malaysia. Selain itu, kajian ini juga bertujuan untuk meningkatkan keghairahan perunding bangunan design Malaysia untuk menyertai sistem ini dengan mengenalpasti halangan yang menyumbang kepada popular Industrialized Building System (IBS) di Malaysia antara perunding bangunan design, dan mencadangkan perubahan atau penyelesaian bagi mengatasi masalah ketidakpopular Industrialized Building System (IBS) masalah antara perunding bangunan design di Malaysia.