

Usage of Industrialized Building System (IBS) in Construction

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ABSTRACT

Industrialised Building System is a construction technique in which all building components such as the slab, beam, column, wall and staircase are mass-produced in a controlled environment (either in the factory or on site) under strict quality control, transported, positioned and assembled into a structure with minimal wet site activities (CIDB, 2003). The Industrialised Building System has the known theoretical advantage of speed, quality and safety. However, the usage of IBS is still considerably low despite the Malaysia government actively promote the usage of IBS. In Malaysia, the conventional construction method is still widely accepted as a convention and safe option. The objective of this study is to survey the construction player's perception of benefits of IBS and investigate the reasons for the low adoption rate of IBS in Malaysia (Kuala Lumpur, Putrajaya, Selangor, Negeri Sembilan). Besides that, construction players' perception of suggested strategies in implement IBS will also be analysed. Survey research method (SRM) is being implemented in this project. SRM is done through distribution of questionnaire. Questionnaire is distributed through email or by sending to the respondents' office. Feedback is analysed by implementing descriptive statistics method using IBM SPSS Statistics 21 software. It can observed from the feedback that the major obstacle to implementation of IBS are the high cost of IBS, lack of knowledge, lack of manpower skilled and lack of incentives.