

A Study of Barriers to Implement Zero Energy Building in Malaysia

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ABSTRACT

The objectives for this study are to investigate the barriers faced in Malaysia to construct Zero Energy Building, to identify the level of awareness of professionals in construction industry against Zero Energy Building and to investigate the solution to optimize the barriers for Zero Energy Building. The quantitative method which was online questionnaire survey had been used. In this research, the population were targeted the Grade 7 Contractors in Selangor where obtain from CIDB website. The questionnaire had been distributed which to fulfill the three objectives. Based on the results, the level of awareness of professionals in construction industry against Zero Energy Building in Malaysia was still in moderate level. For the top three barriers were lack of awareness, lack of enforcement, lack of demand. To optimize the barriers to implement Zero Energy Building, Government had responsible to provide training and education, organize zero energy awareness campaign and promote incentives to stakeholders. It is in order to promote and improve awareness on Zero Energy Building.