

ABSTRACT

The dissertation is to study on energy efficiency system at office buildings. Energy efficiency is one of elements green building. Nowadays, an energy saving bring a new phenomena in Malaysia because government has spent lots of money and effort in implementing this building concept in order to support the global challenge in combating global warming. The country could spent less money on constructions of hydroelectric, electrical grids and other high cost energy producing methods thus using less natural resources such as the gas and petroleum.

In this study, the objectives of this dissertation will be setting first. The objective of this dissertation is to focusing on system of energy efficiency used at office buildings. From this objective, details informations of green building, energy efficiency and commercial building are being explained based on the literature review in chapter two. Then, research methodology in chapter three is discuss about a continuous steps to complete this dissertation.

Besides, on chapter four, there case studies located at Klang Valley are selected. The case studies are GTower, Menara TM and Quill 7. System of energy efficiency in office building discussed. The collection data made by interview from owner building and questionnaires from respondents. All collection data will analysed in bar chart, pie chart and others figures. Finally, the conclusion of this study and recommendations for future study are stated.

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