

A STUDY INTO THE DESIGN OF AN ENVIROMENTAL FRIENDLY HOUSE WHICH IS ADAPTABLE TO FUTURE NEEDS

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ABSTRACT

Since the health of our environment is deteriorating, humans will need sustainable fixes in the near future in order to live a more promising life. This study is to layout the idea and reasons behind constructing an environmental friendly house. Ti covers the issues that have been wondering with our present environment's situation. Furthermore, studying the issues help us to design better a future house that is economical, environmental responsibility, and capable to promote social awareness towards greener lifestyle, while maintaining the essence of Malaysia.

From that, developer Sime Darby Berhad, in lieu of government's directions to greener community, created Idea House. This is part of contributing to country's own Green Building Index (GBI) that was launched in May 2009 by Malaysia's current Prime Minister, Datuk Seri Najib Tun Razak. Moreover, in this study, it outlines the design features that cover factors such as topographic responsiveness, orientation and climatic responsiveness, natural ventilation, materials, and up to harnessing the solar energy. The idea is to reduce the usage of our valuable resources such as energy and water and being kind to the environment as being having a sustainable home. Lastly, with all the data and the designs obtained, creating a better future is definitely possible.