

DESIGN AN INTELLIGENCE AND ENVIRONMENTAL FRIENDLY DOUBLE-STOREY BUNGALOW IN A TROPICAL COUNTRY

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ABSTRACT

This project with the title of 'Design an Intelligence and Environmental Friendly Double-Storey Bungalow in a Tropical Country' is intended to be as reference for those who wants to know further in details on the type of bungalow above mentioned.

As the title said, the term intelligent in the title means that the bungalow has incorporated some automated features such as automatic cooling system with automatic temperature sensor, automatic plant watering system, automatic water level sensor, sound activation system and lastly the solar rechargeable system. All the systems mentioned above are fully automatic and can work well without inspection. Maintenance is of course necessary.

On the other hand the environmental friendly term in the title brings along the meaning that the bungalow does not adverse effects to the environment. This is because there is no air-conditioner implemented in the bungalow. Air-conditioner will cause humidity to the atmosphere and also if there is a leaking of the substances on the running process, it will deals air pollution. Apart from hat, the bungalow also used alternative resources such as water to cold the surrounding rather than electricity used by the air-conditioner. Moreover, the water used is recyclable and in addition to that, rain water will be harvested.

Further details and calculations will be shown in the project paper and also in appendixes.