

SIMULATION OF LOW COST GREEN BUILDING CONSTRUCTION TECHNOLOGIES

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ABSTRACT

Green building practices aim to reduce the environmental impact of buildings. Green buildings are also known as sustainable or high performance building. It practices emerged to alleviate the effects of the increasing the impact on the environment and to improve the building construction process. In this context 5Rs (Reduce, Reuse, Recycle, Rethink, Recover) are provided, Reduce the resources like renewable and non-renewable, reuse the items as much as possible, existing components are put to some new purpose (recycle).

Rethink about the impact of environment before using the resources; Recover the waste products to use. The experiment showed a promising result where by the indoor temperature dropped down 6°C to 10°C with green building technologies. As a result, provides solutions to environmental problems and contributes in keeping the environment clean and green. It aims that green buildings are only way to a sustainable future mitigate.

KEYWORDS: Green Building, Rat Trap Polystyrene Bond, 5R Technologies, Energy Saving Buildings