

DESIGN OF AN ENVIRONMENT FRIENDLY AND ENERGY EFFICIENT HOUSE

Prepared by: Ng Kiam Ming, Lo Boon Chor, Chen Si Yin

ABSTRACT

This project entitled 'Design of an Environment Friendly and Energy Efficient House'. Both environment and energy usage should be concerned in this house design.

In this project, it is very interesting that a roof garden will be set up. This idea will let the house become more environmental friendly. It will lead the house to contribute in providing larger green area. If every house especially those in cities also does so, we believe that global warming can be reduced obviously.

Used water and rainwater will be collected and reused. This type of water is suitable for toilet flushing and plant watering. This idea can reduce the burden of JBA in treating and providing clean water for daily use.

Besides, recyclable energy, which is solar energy, also will be applied as main electricity supply for most of the electronic devices in house. This can reduce burning and using of petroleum and diesel, which are non-recyclable. Less heat will be emitted as well.