

**CENTRE OF STUDIES FOR BUILDING SURVEYING
FACULTY OF ARCHITECTURE, PLANNING AND
SURVEYING
UNIVERSITI TEKNOLOGI MARA**

**THE SUSTAINABILITY ENERGY INITIATIVES IN
MALAYSIAN UNIVERSITIES**

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**Academic Project submitted in partial fulfilment of the
requirements for the degree of
Bachelor of Building Surveying (Hons)
Centre of Studies for Building Surveying
Faculty of Architecture, Planning & Surveying**


JUNE 2015

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**“I hereby declare that this academic project is the result of my own
research except for the quotation and summary which have been
acknowledged”**

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Date : July 10rd, 2015

ACKNOWLEDGMENT

In the name of Allah, The Most Gracious, Most Merciful and Him alone in worthy of all praise. Alhamdulillah, I am very grateful and thankful to the Al-Mighty who gave me the ability to complete this research study.

Firstly, I would like to take this opportunity to express my deepest gratitude to my supervisor, Sr. Dr. Mohamad Sufian b Hasim for all his guidance, ideas, trust, and support through the running of this research study and sacrificed his precious time in assisting my dissertation. It starts from proposal up to the completion of the dissertation and thank you so much to his for giving me the opportunity under his supervision.

Next, I want to thank you so much to my beloved family, without their support and blessings I would not be at this level. Thank for their unconditional love and mentality support to help me through this tough period of time. They also help me in financial problem to finish my dissertation.

Besides that, I also want to thank you so much to the management of three my case study. That is University Teknologi Mara UiTM, University Putra Malaysia and University Kebangsaan Malaysia in their cooperation in share and give the information to complete this dissertation.

Last but not least, my sincere appreciation extends to all my friends for being such understanding and open minded for sharing and discussing experience until today and all individuals who were directly and indirectly involved during my academic project preparation. Thank you for your cooperation.

Thank you

ABSTRACT

Sustainable energy is an energy sources that can help Earth to sustain balanced, give a healthy to ecosystems and the most important is to human life. Sustainable energy is also about the energy that can renewable without give effect to environment. While fossil fuels, coal, oil and gas are not sustainable energy sources because when it burn to create energy, it create massive levels of greenhouse gases, which result in human impact on the global climate. That impact is creating an imbalance in the Earth's climate that is already impacting human life. These researches want to investigate the achievability of sustainable energy in Malaysian Universities. The objective of this research is to identify the initiative of sustainable energy, to assess the effect of sustainable energy used and lastly is to make a recommendation to improve awareness about the sustainable energy. To determine the achievability of sustainable energy in Malaysian Universities, the primary data through interview were conducted in three of Malaysian Universities. Each university represents the two people in interview session. To identify the initiative of sustainable energy is through the secondary sources. From the findings and discussion shows that achievability in Malaysian Universities in implementation of sustainable energy has own way. But to implement fully the university have a constraint. For finding and discussion, the most initiative of sustainable energy in Malaysian Universities is light-emitting diode (LED) lamp. Most a universities applied it. The second higher is an applied sensor technology. For the vision and mission, most of the universities not achieve yet in sustainable energy. Based on the findings and discussion the benefit of implementation of sustainable energy in universities building is can reduce using electrical energy and can decrease the electrical bill. This shows the implementation

of sustainable energy can give the many benefit to university itself and give good effect to human and environment.