



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

ENERGY AWARENESS IN SUBURBAN PUBLIC SCHOOL

**NURUL IZZAH BINTI SUHAIMI
(2019814206)**

Bachelor of Building Surveying (Hons)

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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 acknowledge”

TOPIC : ENERGY AWARENESS IN SUBURBAN PUBLIC SCHOOL
STUDENT NAME : NURUL IZZAH BINTI SUHAIMI
SIGNATURE :
UITM STUDENTNO. : 2019814206
DATE : JULY 2021

CONFIRMATION OF ACADEMIC REPORT PROJECT AMENDMENTS

This is to confirm that the student has amended his/her academic project as directed and therefore allowed to compile the final thesis.

SUPERVISOR'S NAME : ALIA ABDULLAH SALEH
SIGNATURE :
DATE : JULY 2021

ABSTRACT

All educational institutions in Malaysia have been asked to save energy by the Malaysian Ministry of Education. Due to a lack of energy awareness and poor energy use among students, energy waste is common in Malaysian public schools. The energy performance of a school can be improved by raising appropriate energy awareness and increasing energy-use behaviour among pupils. We can only manage what we've measured, though. As a result, it is difficult for the implementer to create and give a better energy conservation programme without understanding the level of energy awareness and behaviour. This research has three objectives. Firstly is to investigate the energy awareness in suburban public school in Malaysia. Secondly is to minimize the usage of the energy consumption in suburban public school. Thirdly is to propose a solution to reduce the cost or expenditure of energy consumption in suburban public schools. Questionnaire was developed based on previous related research, and submitted for expert verification. The refined questionnaires were distributed among suburban public schools in Malaysia which involves primary and secondary schools. The questionnaire cover three part related to the usage factor, level of energy awareness and strategy that can reduce the energy consumption. The total numbers of respondents are 65. The target respondent were student, teachers and parent. With the student, teachers level of energy awareness of the application of great strategy, the energy usage will be used in an efficiency way. Also, the results indicate that higher level of energy awareness can be associated with better energy-use behaviour. It is suggested that in future studies the research should be done by investigating the duration of energy consumption for every electrical appliances and do the comparison of energy awareness between suburban public and private school.

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CHAPTER 1

INTRODUCTION

1.1 Introduction

Energy is a physical system's ability to do work. It exists in the sense of heat, kinetic or mechanical, light, potential, electrical, and other sources of energy. In our daily routine, energy plays a significant role. As a result of the rapid economic growth in the past, the use of electricity in Malaysia has increased rapidly over the last two decades. Those who live in developed countries take energy for granted, while the problems of energy waste are continually emerging. This may be due to a lack of knowledge of the value of resources and a lack of proper actions in terms of energy usage.