

**CENTRE OF STUDIES BUILDING SURVEYING
FACULTY OF ARCHITECTURE, PLANNING AND SURVEYING
UNIVERSITI TEKNOLOGI MARA MALAYSIA
SHAH ALAM**

**MAINTENANCE MANAGEMENT FOR ENERGY
CONSERVATION IN OFFICE BUILDING**

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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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ABSTRACT

Nowadays, energy conservation at office building are more been developed by government in matter of contribution to global warming and also cut cost. Energy conservation also believes reducing energy wastage that brings to energy conservation. In this research, researcher study on maintenance management for energy conservation in office building to know about the maintenance management work for energy conservation. Researcher wants to understand the principle and implementation of energy conservation in building, to identify the level of awareness among technical personal about energy conservation office, to assess or evaluate what needs to be emphasized in maintenance management for energy conservation and give recommendations to the maintenance management for energy conservation in office building. Through this research, maintenance management will be identified as a affected to the energy conservation and the awareness occupant about the energy conservation in office building. Primary and secondary data is carried out to finish this study. Primary and secondary is used to identify current status of energy conservation office building in Malaysia. Meanwhile, secondary data is used to identify the maintenance management work in energy conservation and measure the awareness among technical personal about energy conservation in energy conservation office building. In conclusion, maintenance management very important to energy conservation in office building. It is because when have good and complete maintenance for energy conservation, the concept for energy conservation will success. With this research , I get the maintenance management for energy conservation should have systematic maintenance and all building should have energy conservation concept in their building.

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CHAPTER 1

INTRODUCTION

1.1 Introduction

Energy conservation is a very important element in the policy for energy conservation. It is because the potential for reduce the entire energy demand, cost, and usage. Energy conservation also plays an important part in tackling climate change by reducing the greenhouse gas emissions overall. It often the most economical strategies to advance the climate protection of efforts and provide environmentally friendly alternatives to increase the energy production and utilization. In addition, by reducing energy demand, energy conservation to provide more flexibility in choosing the preferred method of energy production e.g., “green power” – the renewable energy produced without the no man-made greenhouse gas emissions. (Frederick A. Thayer III Courthouse)

1.2 Background Research

In Malaysia, our common future in energy conservation define under the heading of sustainable development, as to meet the needs and demands of the present without the affect the ability and demands of future generations to meet their own needs. One of the main challenges arising from the global sustainability is on how to reduce the energy demand from time to time. Review from the literature indicated that change or improving user behavior could be the solution to reduce the energy demand in our country,