

UNIVERSITI TEKNOLOGI MARA

**STUDY ON DAYLIGHTING EFFECT
TOWARDS READERS ATTRACTION IN
PUBLIC LIBRARY IN SELANGOR,
MALAYSIA**

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ABSTRACT

The research objectives of this study are to identify how much readers sit at areas that receive daylighting compare to readers that use artificial lighting and to identify how long readers sit at areas that receive daylighting. Daylight is essential for the interiors of a building, especially for the users of the building itself. For the operation and satisfaction of users in a building such as a library, it is critical to have a good day lighting. The study carried out with quantitative approach where the sources are from questionnaires on how much readers sit at areas that receive daylighting compare to readers that use artificial lighting and identify how long readers sit at areas that receive daylighting. The benefit of the research is to encourage the society to come to the library. Areas with daylight exposure will influence the people to go to the library.

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TABLE OF CONTENTS

AUTHOR’S DECLARATION	i
ABSTRACT	iii
ACKNOWLEDGEMENT	iii
TABLE OF CONTENTS	v
LIST OF FIGURES	vi
LIST OF TABLES	vii
CHAPTER ONE: INTRODUCTION	1
1.1 Introduction	1
1.2 Background of Study	2
1.3 Problem Statement	2
1.4 Purpose of the Study	2
1.5 Research Questions	3
1.6 Research Objectives	3
1.7 Research Method	3
1.8 Significant of Study	3
1.9 Nature of Study	4
1.10 Limitation of Study	4
1.11 Summary	4
CHAPTER TWO: LITERATURE REVIEW	5
2.1 Introduction	5

CHAPTER ONE

INTRODUCTION

1.1 Introduction

In order to save energy and minimise electrical lighting, daylighting is the regulated admission of natural light, direct sunshine, and diffuse skylight into a structure (Gregg D., 2018). By providing a direct link to the complex and ever-changing patterns of outdoor illumination, daylighting aids in the creation of a visually stimulating and efficient environment for a building's occupants (Gregg D., 2018). A daylighting system includes not only daylight openings such as skylights and windows, but also a daylight-based lighting control system (Gregg D., 2018). This system is able to reduce power consumption for electric lighting when daylight alone provides sufficient ambient lighting (Gregg D., 2018).

Public libraries are now recognised as an essential component of community life, fostering literacy, providing a diverse range of reading materials for people of all ages, and serving as information hubs (Britannica, 2021). Based on branch library systems, public libraries now have well-stocked reference libraries and a wide range of lending programmes (Britannica, 2021). Library services may be offered on a grand scale in extremely big communities, with a reference library that incorporates many of the characteristics seen in major research libraries (Britannica, 2021). The importance of public library activities has been recognised by law in numerous countries, which aims to ensure that adequate library facilities are available to everyone at no cost (Britannica, 2021).

Selangor is Malaysia's most industrialized province, home to the sophisticated Kuala Lumpur International Airport, the renowned Sepang International Racing Circuit, as well as Kuala Lumpur, Malaysia's economic centre, and Putrajaya, the administrative capital of the region, within its borders (Penny W., 2019). With a population of more than 4 million, Selangor is driven by urban expansion and commercialisation, which is visible in the vast number of shopping centres, business parks and industrial areas (Penny W., 2019).