

**STUDY OF INTERNAL LIGHT ILLUMINANCE FOR CLASSROOM
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STUDY OF INTERNAL LIGHT ILLUMINANCE FOR CLASSROOM

(UiTM SERI ISKANDAR, PERAK)

Abstract

Good lighting is very important for a classroom and student's performance. A good design of building opening and building orientation can substantially produce optimal use of sunlight in buildings where large energy savings can be achieved.

The objectives of this study are to identify lighting emits in classrooms and internal lighting of the room. Questionnaires were distributed to students of Universiti Teknologi Mara (UiTM) Seri Iskandar, Perak that use the classes available in the Fakulti Perakaunan, Fakulti Pengurusan dan Teknologi Pejabat, and Fakulti Senibina, Perancangan, dan Ukur.

The questionnaires allow respondents to evaluate the room lighting conditions. The data obtained from the questionnaires were analyzed using percentage. Most respondents felt that the lighting in the room is quite satisfactory,

Finally, It can be concluded that not all of the building occupants are satisfied with the condition of the building, a lot of comments and suggestions are received to improve the condition of the building. The comfortability of the building can be improved with more detail and further research.

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CHAPTER 1: INTRODUCTION

1.0 Introduction

Human beings possess an extraordinary capacity to adapt to their environment and to their immediate surroundings. Of all the types of energy that humans can utilize, light is the most important. Light provides a comfortable and safe visual environmental that is very essential for daily human activities. Light is a key element in human capacity to see, and it is necessary to appreciate the form, the color and the perspective of the objects that surrounding the daily lives. Almost 80% of the information obtained through the sight.

Sunlight is one of the main sources of natural lighting. In architecture, natural lighting has always been an important element in creating various moods according to space function and intention. Besides illuminating a space, an ambience of mood can be creating by applying both shadows and lights. As design feature, the use of daylighting within a building can create a more pleasing and productive atmosphere for the people within.

Successful daylighting is more than simply adding large windows or skylights. It involves thoughtful integration of design strategies, which address heat gain, glare, the variations in the ability of light, and direct-beam penetration into a building. Building space utilization is mostly affected by the building orientation. Orientation of building means to plan the building such a way that maximum advantage of nature can be obtained.