

Visual Comfort in Learning Environments: A Student Feedback Analysis

Nur Ashikin Lakman¹, Zamry Ahmad Mokhtar²

^{1,2}Department of Civil Engineering, Sultan Abdul Halim Mu'adzam Shah Polytechnic, Bandar Darulaman, 06000 Jitra,
Kedah Darulaman, Malaysia
E-mail: nurashikin@polimas.edu.my

Abstract

Students' academic performance and general well-being are greatly impacted by visual comfort in educational facilities because good lighting improves concentration and lessens discomfort. This study evaluates students' perceptions of lighting in MPB1.1 workshop classroom at Sultan Abdul Halim Mu'adzam Shah Polytechnic (POLIMAS), focusing on light perception, comfort, and acceptability. A total of 36 students from the Diploma in Building Services Engineering program participated by completing a survey questionnaire based on a 5-point Likert scale. Descriptive statistics were used to analyse the data and the results showed that respondents had generally favourable feedback about the lighting conditions with high ratings for brightness, colour accuracy, even distribution and minimal glare. The results highlighted the effectiveness of the lighting setup in supporting student comfort and productivity while identifying minor areas for improvement, such as glare management and enhanced uniformity. It emphasises how crucial well-designed lighting is to creating a positive learning environment and maintain high levels of visual comfort and usability.

Keywords : *Comfort perception; Lighting perception; Students' perceptions; Visual comfort*
