

EVALUATION ON DISCOMFORT LEVEL AMONG STUDENTS USING DESKS IN CLASSROOMS

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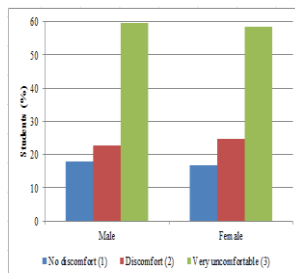
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Graphical abstract



Abstract

This study was conducted to evaluate the discomfort level among students using desks in classrooms of Polytechnic Kuching. The students (n=500) completed the questionnaire survey form using Borg's CR-10 Scale showing body chart discomfort. The students were asked to identify their body areas experiencing discomfort and to rate this discomfort on a score rating groups (0 to 5). Score 0-1.99 = No discomfort (1), score 2.00-3.99 = Discomfort (2) and score 4.00-5.00 = Very uncomfortable (3). The evaluation of the seating shows discomfort level of students and any outstanding problems arising. Students were asked to rank in the order of 10 statements about comfort and choose three responses which gave the most consistent equal interval scale. The results in that the main response of discomfort indicated the students mostly agree that they are feeling from cramped, stiff, numb, sore and tender to unbearable pain, barely comfortable and feel uncomfortable. The project was identified to evaluate the comfort level of classrooms desks for polytechnic students. Overall, there was a significant discomfort level for the students whilst using the desks and a possible solution put forward is to design a new type of classroom desk made of natural fibre reinforced composite.

Keywords: Evaluate comfort level, Classroom desks, Polytechnic students.

Abstrak

Kajian ini dijalankan untuk menilai tahap ketidakselesaan di kalangan pelajar menggunakan meja di dalam kelas Pengajian Politeknik Kuching. Pelajar-pelajar (n = 500) melengkapkan bentuk soal selidik menggunakan Borg CR-10 Skala menunjukkan badan rasa tidak selesa carta. Pelajar-pelajar telah diminta untuk mengenal pasti bidang badan ketidakselesaan mengalami mereka dan untuk mengadap ketidakselesaan ini pada kumpulan kedudukan skor (0-5). Skor 0-1,99 = Tiada rasa tidak selesa (1), skor 2,00-3,99 = Ketidakselesaan (2) dan skor 4,00-5,00 = Sangat tidak selesa (3). Penilaian duduk menunjukkan tahap ketidakselesaan pelajar dan sebarang masalah yang timbul. Pelajar diminta untuk pangkat dalam perintah 10 kenyataan tentang keselesaan dan pilih tiga