

Document details

[Back to results](#) | 1 of 1
[Export](#)
[Download](#)
[Print](#)
[E-mail](#)
[Save to PDF](#)
[Add to List](#)
[More...](#)

Recent Trends in Social and Behaviour Sciences - Proceedings of the 2nd International Congress on Interdisciplinary Behavior and Social Sciences 2013, ICIBSOS 2013
 2014, Pages 289-295
 2nd International Congress on Interdisciplinary Behavior and Social Science, ICIBSOS 2013; Jakarta; Indonesia; 4 November 2013 through 5 November 2013; Code 102808

The state of green computing knowledge among students in a Malaysian public university (Conference Paper)

Tunku Ahmad, T.B., Nordin, M.S., Bello, A.

Institute of Education, International Islamic University Malaysia, Kuala Lumpur, Malaysia

Abstract

[View references \(24\)](#)

This article reports on a study undertaken to explore the state of Malaysian university students' knowledge of green computing. Two types of knowledge were assessed, i.e. subjective knowledge and objective knowledge. The study also sought to ascertain the influence of gender and field of study on the two types of knowledge, and whether they were positively and significantly correlated. A total of 208 students from ICT- and non-ICT study programmes of a Malaysian public university took the survey. Data were collected using a self-developed green computing questionnaire. Descriptive statistics, independent-samples t-tests and bivariate correlation were employed to analyze the data. Results show a general lack of knowledge on various aspects of green computing, particularly with respect to Energy Star, E-PEAT, Malaysia Green Technology Policy, printer types and energy consumption, energy-efficient practices and hazardous chemicals present in computers. Gender influenced perceived knowledge - with female students reporting significantly higher knowledge levels - but not objective knowledge, while field of study influenced both in favor of students pursuing ICT-related degree programmes. A significant positive correlation was discovered between the two types of knowledge. The results suggest a strong need for green computing education to be initiated across Malaysian university campuses. © 2014 Taylor & Francis Group

Indexed keywords

Engineering controlled terms:

[Behavioral research](#) [Energy policy](#) [Energy utilization](#) [Social sciences](#) [Students](#) [Surveys](#)

[Bivariate correlations](#)

[Descriptive statistics](#) [Energy efficient](#)

[Hazardous chemicals](#)

[Positive correlations](#)

[Public universities](#) [University campus](#)

[University students](#)

Engineering main heading:

[Information technology](#)

ISBN: 978-113800121-3

Source Type: Conference Proceeding

Original language: English

Document Type: Conference Paper

Sponsors:

Publisher: Taylor and Francis - Balkema

Metrics

0 Citations in Scopus

0 Field-Weighted Citation Impact



PlumX Metrics
 Usage, Captures, Mentions,
 Social Media and Citations
 beyond Scopus

Cited by 0 documents

Inform me when this document is cited in Scopus:

[Set citation alert >](#)

[Set citation feed >](#)

Related documents

[University students' subjective knowledge of green computing and pro-environmental behavior](#)

Ahmad, T.B.T., Nordin, M.S.
 (2014) *International Education Studies*

[Green: My favorite color](#)

Wilbanks, L.
 (2008) *IT Professional*

[How green is your software?](#)

Taina, J.
 (2010) *Lecture Notes in Business Information Processing*

[View all related documents based on references](#)

Find more related documents in Scopus based on:

[Authors >](#) [Keywords >](#)

References (24)

[View in search results format >](#)