

Towards strategic internationalisation and global prominence : modelling continuous quality improvement for sustainable internationalisation of the Malaysian technical universities

Zarina Mohd Ali¹, Wahid Razzaly², Ida Idayu Muhamad³, Munira Abdul Razak¹, Zuraina Ali¹, N. R. Mohd Radzuan¹, W. S. Wan Nik¹, Imaduddin Abidin¹, Sharmini Abdullah⁴, Suriati Akmal⁵

¹ Universiti Malaysia Pahang

² Universiti Tun Hussein Onn Malaysia

³ Universiti Teknologi Malaysia

⁴ Universiti Malaysia Perlis

⁵ Universiti Teknikal Malaysia Melaka

ABSTRACT

Inadequate data will affect the efficiency of future planning of solid waste management in order to achieve sustainable development. The purpose of this paper is to investigate the effect of a number of factors, namely GDP, Demand of electricity, Population and Number of Employment, which could be applied to predict the solid waste generation quantities and improve the management of future planning. The data were statistically analyzed by conducting a bivariate analysis and multilinear regression analysis. The results revealed that the GDP, Demand of electricity, Population and Number of Employment reflects the prediction of sustainable solid waste generation. It was found that addition of all predictor variables accounted for 98.9 percent ($r = 0.989$) changes in the variance in the quantity of solid waste generation. Consequently, the department of solid waste can increase its effectiveness and efficiency in management through the prediction of the quantity of solid waste generation.

KEYWORDS

Internationalization; Global prominence; Continuous quality improvement; Sustainability; Malaysian technical universities

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