

Solid Waste Management & Practise within the University Community: Case Study in Universiti Malaysia Terengganu, Terengganu

Authors : J. Izan, E.I. Tengku Azmina, F. Pey Thing

Abstract : Sustainability has been introduced globally since the emerging of the advancement of technology and product development in various aspects. This concept is regarded highly, listed among the seventeenth elements in Sustainable Development Goals (SDG), especially by developed countries in any of their development plans and being considered in the development of the developing countries. It is such as the concept of sustainability can undeniably provide a medium where the cost used by energy consumption and pollution problems can be greatly reduced. In Malaysia, many rules and policies had been advocated to achieve sustainability; however, the practice and implementation as well the enforcement to ensure its implementation are still not great. University, as an educational institution, shall practice and implement sustainability concepts in as much aspect as possible as a positive example for a wider community. University Malaysia Terengganu (UMT) has already published a blueprint guide in 2015, aims to introduce and implement sustainable practice in the university, and solid waste is one of the key elements highlighted. This study was conducted to determine the status of solid waste management practice among the university community associated with several factors that facilitate the room for sustainable management, as drawn in the established blueprint document. The quantitative analysis was carried out via survey conducted online, acquired the questions on green campus concept and implementation in general and solid waste in particular. The results showed that community UMT showed a high level of awareness and knowledge on sustainable solid waste; however, low percentage in managing solid waste in a sustainable manner. Respondents suggested that stringent guidelines and the establishment of policy greatly help in the realization and enforcement of sustainable solid waste handling and management. Facilities such as waste collection centre with separation and segregation containers will motivate the community to practice 3Rs on a daily basis. This will eventually reduce the generation of waste need to be sent to landfill hence reduce the disposal cost. Prolong, and continuous campaign on sustainable solid waste management need to be carried out more frequently.

Keywords : management, solid waste, sustainability, university

Conference Title : ICHMWM 2020 : International Conference on Hazardous Materials and Waste Management

Conference Location : London, United Kingdom

Conference Dates : March 12-13, 2020