

THE POTENTIAL OF IMPLEMENTING FOOD WASTE COMPOSTING AT SOURCE USING BIOSENSE SCHEME

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ABSTRACT

The rapid growth of population leads to generation of waste especially in developing countries. Various strategies and procedures have been employed towards waste minimization but public behaviors remain unchanged. Recycling of food waste is one of practical solution to minimize waste at source since recycling is the highest level of waste management hierarchy, thus more preferable option rather than landfilling. This paper presents the potential of food waste composting at source using Biosense Scheme. The scheme introduced E-learning and Green Ambassador as the main tools of education for public towards waste minimization. The concept of fun learning features such as animation story, video presentation, pictures and testimonies triggers people to practice food waste composting. Green Ambassador as a role model inspired people to learn and understand the important of composting as part of conserving the environment. This paper describes the response of community in Seremban, Malaysia towards Biosense Scheme in promoting food waste composting. A survey for questionnaire analysis has been carried out to 231 respondents consist of students from primary and secondary schools, teachers, government staff, private staff and non-government organization (NGO) staff in Seremban. The survey activity supported by Heritage Biotech (M) SdnBhd, Seremban Municipal and Solid Waste Management and Public Cleansing Corporation, Malaysia. The significant factors such as demographic profile, knowledge and intention to practice composting were determined, as indicators of respondent's attitudes towards waste management in Seremban Municipal Territory.

KEYWORDS: Food Waste Composting, Green Ambassador, E-Learning, Biosense Scheme