

A survey on solid waste management for sustainable development and public health in Dutse metropolis, Jigawa State, Nigeria

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Abstract

A survey on solid waste management for sustainable development and public health in Dutse metropolis was conducted. One hundred (100) designed questionnaires were distributed across four major areas within the town which included Yadi, GidaDubu, Dan Masara and Mopol base quarters were twenty five (25) are distributed to each of the four sites. From the result, it was discovered that residence of Danmasara quarters discharge all their waste 100(100%) in government approve sites while Yadi quarters are the lowest in terms of discharging waste in government designated locations 6(24%).Based on flooding, Yadi recorded the highest rate of flooding 21(84%) while Dan masaraquartes recorded the lowest 9(36%). Proper waste discharge was also summarized according to educational status of individual respondents within the affected areas under study. It could be observed that people with secondary education had the highest of (47%) while informal education recorded the lowest (08%) in terms of proper waste discharge respectively. It is concluded that most of places in Dutse metropolis do not access to drainage system as well as government designed areas for waste disposal and hence, it is recommended that government should provide adequate waste disposal sites to each area within Dutse metropolis.

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