



Eco-Friendly Waste Management Systems in Kampala's Informal Settlements: Reduction Rates and Environmental Benefits Over Two Years

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Abstract

Eco-friendly waste management systems have been implemented in Kampala's informal settlements to address environmental challenges and improve public health. A mixed-methods approach including surveys, interviews, and observational studies was employed to gather data from residents and waste management personnel in selected informal settlements. Household garbage reduction rates averaged 30% over the two-year period, with significant improvements noted in composting of organic waste, reducing methane emissions by 25% compared to traditional disposal methods. The eco-friendly waste management systems demonstrated substantial environmental benefits and community engagement, providing a model for sustainable waste handling in similar settings. Continue pilot projects with wider implementation, enhance public education campaigns, and integrate technological solutions for improved data collection and dissemination of results.

Keywords: *Geographic, African, Spatial, Qualitative, Quantitative, CaseStudy, CommunityEngagement*

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