



Adoption Analysis of Biogas Digesters in Kampala Urban Centers: A Theoretical Framework for Waste Management in Uganda

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Abstract

In Kampala urban centers in Uganda, biogas digesters have been implemented as a waste management solution to reduce landfill waste and provide renewable energy. Theoretical analysis will be employed, drawing on existing literature to identify key variables affecting adoption decisions. The theoretical framework proposes a model for predicting future adoption trends of biogas digesters based on socio-economic parameters. Further empirical research is recommended to validate the proposed model and identify additional influential factors.

Keywords: *Sub-Saharan, geospatial, econometric, sustainability, □□□□, urbanization, model-building*

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