



Eco-Business Opportunities in Dar-es-Salaam: A Six-Year Impact Study on Recycling Initiatives in Ghanaian Waste Management Areas

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Abstract

This study explores eco-business opportunities within Dar-es-Salaam's waste management areas by examining recycling initiatives in Ghanaian contexts. A mixed-method approach combining quantitative surveys ($n=500$) \wedge qualitative interviews was employed to gather data on Dar-es-Salaam's waste management areas. Recycling initiatives in Ghana demonstrated a significant increase ($p<0.01$, 95% CI: [0.42-0.68]) in local employment opportunities, with over 30% of respondents indicating improved income stability from recycling activities. The study concludes that strategic eco-business models can significantly enhance both environmental and economic outcomes in Dar-es-Salaam's waste management sectors. Policy recommendations include fostering public-private partnerships to scale up successful recycling initiatives, with a focus on capacity building for local entrepreneurs.

Keywords: *African geography, recycling initiatives, waste management, mixed methods, sustainability models, resource recovery, community engagement*

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