



Growth and Sustainability Assessment of Urban Vegetable Gardening Programmes Among Slum Youth in Lagos, Nigeria

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Abstract

Urban vegetable gardening programmes have emerged as a critical component in addressing food security challenges among slum youth in Lagos, Nigeria. A mixed-methods approach combining quantitative data analysis from surveys and qualitative insights through interviews to evaluate programme efficacy over a two-year period (-). The programme demonstrated an average growth rate of 5% per annum, with significant community engagement contributing to its long-term sustainability. Urban vegetable gardening programmes have shown promise in enhancing food security among slum youth in Lagos, Nigeria. However, further research is needed to understand the scalability and replicability of these initiatives. Investment should be directed towards scaling up successful models with community buy-in, while continuous monitoring and evaluation are essential for sustaining programme success. Urban Vegetable Gardening, Slum Youth, Food Security, Sustainability Assessment The empirical specification follows $Y = \beta_{0+\beta}^{-} p X + varepsilon$, and inference is reported with uncertainty-aware statistical criteria.

Keywords: *African urbanization, agroecology, community gardening, sustainable development, youth empowerment, participatory evaluation, biophysical systems*

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