Eco-Friendly Techniques and Agricultural Yield in Northern Zanzibar: Soil Quality Assessment

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Abstract

This study examines the implementation of eco-friendly agricultural techniques in Northern Zanzibar villages to assess soil quality and crop yield performance, with a focus on South Africa's legal context. A qualitative assessment approach was employed, involving interviews with farmers and analysis of soil samples from selected sites across Northern Zanzibar. The results suggest that eco-friendly agricultural practices are effective in enhancing soil health and increasing crop productivity in Northern Zanzibar villages, providing a model for sustainable agriculture development in the region. Policy makers should promote further research into these techniques and encourage their adoption by farmers. Agricultural extension services should be strengthened to disseminate best practices effectively.

Keywords: *African Soil and Water Conservation, Sustainable Agriculture Practices, Agroforestry Systems, Precision Farming Techniques, Soil Quality Assessment Methods, Crop Yield Analysis, Terracing Techniques*

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