



Agroforestry Practices for Soil Conservation in Kibera Slums: An Action Research Study

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Abstract

The Kibera slums in Nairobi are faced with significant soil erosion due to intensive agricultural practices and urbanization. A participatory action research approach was employed, involving workshops, interviews, and field visits to assess current farming methods and identify gaps in knowledge about agroforestry practices. Farmers expressed a strong interest in integrating trees into their agricultural systems, with over 60% of participants indicating an increased willingness to adopt agroforestry after education sessions. Agroforestry practices can effectively mitigate soil erosion and enhance biodiversity in Kibera slums. Local farmers require further training to fully implement these techniques. Local government should provide resources for tree planting and support the establishment of community nurseries. Agricultural extension services must be strengthened to offer practical guidance on agroforestry implementation.

Keywords: *African Geography, Participatory Action Research, Soil Conservation, Agroforestry Practices, Community Engagement, Sustainable Agriculture, Ecological Restoration*

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