



Nurturing Local Innovation in Rainfed Agriculture through Small-Scale Irrigation Systems in Southwest Uganda: A Theoretical Framework

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Abstract

Rainfed agriculture is a significant aspect of livelihoods in Southwest Uganda, where small-scale irrigation systems play a crucial role in enhancing agricultural productivity. A qualitative approach will be employed to analyse existing literature, stakeholder interactions, and empirical data relevant to the region's agricultural practices and technological advancements. The theoretical framework underscores the importance of community engagement and adaptive management in maximising the benefits of small-scale irrigation systems for rainfed agriculture. Investment in training programmes for local communities and support for innovation hubs can significantly enhance the adoption and sustainability of small-scale irrigation technologies.

Keywords: *African Geography, Small-Scale Irrigation, Adaptive Management, Participatory Approach, Sustainability Studies, Empirical Research, Stakeholder Analysis*

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