



Adoption Rates and Long-Term Impacts of Digital Agricultural Extension Services in Uganda: A Field Study

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Abstract

Digital agricultural extension services have gained traction as a tool to enhance farmers' productivity in Africa. However, understanding their long-term impacts and adoption rates remains understudied. The research employs a mixed-methods approach, including surveys and qualitative interviews with farmers in different regions of Uganda. Data collection was conducted from June to March . Findings indicate that digital services were adopted by 45% of surveyed farmers, with significant improvements noted in crop yields and income levels among adopters compared to non-adopters. The study concludes that while digital agricultural extension services are effective in improving farm productivity, sustained engagement is crucial for sustaining these benefits over the long term. Recommendation for policymakers includes providing incentives for digital service providers and continuous training programmes for farmers to ensure optimal utilization of available technologies.

Keywords: *Africanization, Adoption Studies, Digital Agriculture, Extension Services, Farmer Behaviour, Impact Assessment, Participatory Methods*

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