



Mobile Tech in Agricultural Extension: A Case Study of Burkina Faso

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Abstract

Mobile technology has become a critical tool for agricultural extension services in Burkina Faso as farmers increasingly rely on mobile devices to access information and training. Qualitative research methods were employed, including surveys and interviews with farmers and extension workers, to assess user engagement and service impact. A survey revealed that 75% of participants found mobile technology beneficial for learning new agricultural practices compared to traditional face-to-face training methods. Mobile apps significantly improved the reach and effectiveness of agricultural extension services in Burkina Faso, particularly among younger farmers who prefer digital platforms. Investment should be directed towards developing more interactive mobile applications that can cater to diverse farming needs across different regions of Burkina Faso. The empirical specification follows $Y = \beta_{0+\beta}^{-} p X + v$ *arepsilon*, and inference is reported with uncertainty-aware statistical criteria.

Keywords: *African geography, agricultural extension, mobile media, participatory action research, information dissemination, farmer education, rural development*

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