



# Mobile Apps in Rural Water Point Maintenance: An Ethiopian Perspective

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## Abstract

Mobile apps are increasingly used to enhance various services in rural communities worldwide. In Ethiopia, where access to clean water is a critical issue, mobile technology has been explored as a means to improve maintenance of water points. The study employs qualitative interviews with community members, local government officials, and technicians who use mobile apps for maintenance purposes. Data analysis focuses on themes related to app usage, technical issues, and user engagement. While mobile apps offer a promising avenue for improving rural water point maintenance, ongoing support and user education are crucial for sustainable adoption and effectiveness. Communities should be provided with ongoing technical support to mitigate app-related issues. Training programmes should include both community members and local officials to ensure widespread understanding and use of the technology.

**Keywords:** *African Geography, Rural Development, Mobile Technology, Community Engagement, Participatory Monitoring, Water Point Management, Geographic Information Systems (GIS)*

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