



Digital Agriculture Training Workshops for Youth Entrepreneurs in Zimbabwe Cities: Farmer Value Chain Integration Outcomes Analysis

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Abstract

In Zimbabwe, digital agriculture training workshops have been introduced to enhance entrepreneurial skills among youth in urban centers. These workshops aim to integrate farmers into value chains, improving agricultural productivity and market access. A mixed-methods approach was employed, including pre- and post-training surveys ($N = 120$) using Likert scales to measure changes in knowledge and practices. Quantitative data were analysed with a linear regression model predicting improvements in market access ($\beta = 0.56 \pm 0.03$, $p < 0.001$). A significant proportion (72%) of participants reported increased confidence in using digital tools to enhance their farming practices post-training. The workshops significantly improved farmer value chain integration, particularly in terms of market access and technological adoption. Future training should focus on enhancing digital literacy and providing more hands-on experience with available technologies.

Keywords: African Agriculture, Geographic Information Systems (GIS), Participatory Approach, Value Chain Analysis, Youth Empowerment, Precision Farming Techniques, Entrepreneurship Education

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