



Community-Based Water Supply Projects and Economic Development in Northern Ghana: A Six-Year Outcome Analysis

Abwie Asare¹, Amoako Owusu^{2,3}, Kwabena Afriyie^{1,4}, Enkugu Baidoo⁵

¹ Food Research Institute (FRI)

² Department of Advanced Studies, University of Professional Studies, Accra (UPSA)

³ Noguchi Memorial Institute for Medical Research

⁴ Ghana Institute of Management and Public Administration (GIMPA)

⁵ University of Professional Studies, Accra (UPSA)

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Correspondence: aasare@gmail.com

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Author notes

Abwie Asare is affiliated with Food Research Institute (FRI) and focuses on Business research in Africa.

Amoako Owusu is affiliated with Department of Advanced Studies, University of Professional Studies, Accra (UPSA) and focuses on Business research in Africa.

Kwabena Afriyie is affiliated with Ghana Institute of Management and Public Administration (GIMPA) and focuses on Business research in Africa.

Enkugu Baidoo is affiliated with University of Professional Studies, Accra (UPSA) and focuses on Business research in Africa.

Abstract

Community-based water supply projects have been implemented in various parts of northern Ghana to improve access to clean drinking water and enhance livelihoods. The analysis employs quantitative data from surveys conducted in and , covering 50 randomly selected villages. Data was analysed using regression models to assess project impacts. A significant proportion (75%) of households reported increased income due to improved water access, with an average increase of \$40 per month in earnings. Community-based water supply projects have positively influenced economic activities and poverty levels among the studied communities in northern Ghana. Further investment should be directed towards maintenance and expansion of existing projects to sustain their benefits over time.

Keywords: *Sub-Saharan, African, SocialCapital, Ethnoecology, Villagisation, CommunityDevelopment, EmpowermentTheory*

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