



Assessment of Community-Based Renewable Energy Projects' Impact on Rural Household Wealth Generation in Malawi: A Solar Cooker Adoption Study

Chituwo Chakuuka¹, Nkombe Phiri^{2,3}, Kalema Malunga^{3,4}

¹ Lilongwe University of Agriculture and Natural Resources (LUANAR)

² Department of Interdisciplinary Studies, University of Malawi

³ Malawi University of Science and Technology (MUST)

⁴ University of Malawi

Published: 27 January 2005 | **Received:** 04 October 2004 | **Accepted:** 04 December 2004

Correspondence: cchakuuka@gmail.com

DOI: [10.5281/zenodo.18817759](https://doi.org/10.5281/zenodo.18817759)

Author notes

Chituwo Chakuuka is affiliated with Lilongwe University of Agriculture and Natural Resources (LUANAR) and focuses on Business research in Africa.

Nkombe Phiri is affiliated with Department of Interdisciplinary Studies, University of Malawi and focuses on Business research in Africa.

Kalema Malunga is affiliated with University of Malawi and focuses on Business research in Africa.

Abstract

Solar cookers have been introduced to rural communities in Malawi as a means of reducing dependency on traditional biomass for cooking and generating income through selling excess energy. A qualitative approach was employed to gather data from focus group discussions (FGDs) and key informant interviews (KIIs), conducted among local residents and project implementers. Solar cookers were found to have a significant positive effect on rural households' income, with an average increase in income reported by participants of 25% due to selling excess energy from their solar cookers. The study concludes that community-based renewable energy projects can effectively contribute to improving rural household wealth generation through the adoption of solar cookers. Recommendations include scaling up the project, involving more stakeholders in decision-making processes, and providing training on efficient use and maintenance of solar cookers.

Keywords: *African Geography, Qualitative Research, Renewable Energy, Community Engagement, Livelihoods Enhancement, Sustainable Development, Case Study*

ABSTRACT-ONLY PUBLICATION

This is an abstract-only publication. The complete research paper with full methodology, results, discussion, and references is available upon request.

✉ **REQUEST FULL PAPER**

Email: info@parj.africa

Request your copy of the full paper today!

SUBMIT YOUR RESEARCH

Are you a researcher in Africa? We welcome your submissions!

Join our community of African scholars and share your groundbreaking work.

Submit at: app.parj.africa



Scan to visit app.parj.africa

Open Access Scholarship from PARJ

Empowering African Research | Advancing Global Knowledge