



Renewable Energy Microfinance Models for Solar Cookstoves in Kenyan Villages: Adoption and Economic Impacts

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Abstract

Solar cookstoves have emerged as a sustainable solution to traditional cooking methods in rural areas of Kenya, offering health benefits and energy savings. A mixed-methods approach combining surveys and focus group discussions was employed to assess the effectiveness of these financial schemes in promoting solar cookstove use. The microfinance models demonstrated promise in increasing solar cookstove adoption and generating positive economic outcomes in Kenyan communities. Further research should explore scalability of these models to broader rural populations and evaluate long-term sustainability impacts.

Keywords: Kenya, Microfinance, Renewable Energy, Cookstoves, Adoption, Sustainability, Development Economics

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