



Assessing Renewable Energy Microfinance Solutions in Ethiopian Rural Farmers: An Economic Growth and Accessibility Metric Review

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Abstract

Renewable energy microfinance solutions have emerged as a promising approach to increase access to sustainable energy in rural areas of Ethiopia. The study employed a mixed-methods approach involving surveys and interviews among 150 randomly selected rural farmers across five regions of Ethiopia. Data were analysed using descriptive statistics and thematic analysis. A significant proportion (78%) of respondents reported improved economic stability due to reduced energy costs, with solar power systems being the most popular solution (62%). The study underscores the need for further tailored microfinance solutions that address specific farmer needs and financial constraints. Policy makers should prioritise designing renewable energy microfinance programmes specifically targeting rural farmers in Ethiopia to maximise economic benefits.

Keywords: *Ethiopia, Renewable Energy, Microfinance, Access Metrics, Sustainability, Development Economics, Case Studies*

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