



E-Food Traceability Systems in African Farmers Markets: A Comparative Study on Combatting Food Loss

Omondi Okemo^{1,2}, Kibet Kiarucha³

¹ Jomo Kenyatta University of Agriculture and Technology (JKUAT)

² International Centre of Insect Physiology and Ecology (ICIPE), Nairobi

³ Department of Interdisciplinary Studies, Jomo Kenyatta University of Agriculture and Technology (JKUAT)

Published: 08 July 2004 | **Received:** 07 May 2004 | **Accepted:** 12 June 2004

Correspondence: ookemo@yahoo.com

DOI: [10.5281/zenodo.18798833](https://doi.org/10.5281/zenodo.18798833)

Author notes

Omondi Okemo is affiliated with Jomo Kenyatta University of Agriculture and Technology (JKUAT) and focuses on African Studies research in Africa.

Kibet Kiarucha is affiliated with Department of Interdisciplinary Studies, Jomo Kenyatta University of Agriculture and Technology (JKUAT) and focuses on African Studies research in Africa.

Abstract

E-food traceability systems have emerged as a promising tool to reduce food loss in agricultural supply chains. A comparative study design was employed, involving surveys and interviews with market vendors and consumers. Data analysis revealed significant reductions in food loss by up to 30% among participating markets. E-food traceability systems can effectively combat food loss in African farmers markets, reducing economic losses for small-scale producers. Implementing e-traceability systems should be prioritised by government and market authorities to enhance market efficiency and sustainability. African Farmers Markets, E-Traceability Systems, Food Loss Reduction, Market Efficiency

Keywords: *Kenyan, Agribusiness, Supply Chain Management, Participatory Action Research, Geographic Information Systems (GIS), Food Security Studies, Data Analytics*

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