



Blockchain Technology and Digital Payments in West African Countries: A Policy Analysis

Rahma Al-Nahas¹, Wael Ismail Abdelrahman², Ahmed El-Sayed^{1,3}

¹ Cairo University

² Department of Research, Tanta University

³ Fayoum University

Published: 21 August 2003 | **Received:** 31 May 2003 | **Accepted:** 15 July 2003

Correspondence: ralnahas@aol.com

DOI: [10.5281/zenodo.18777133](https://doi.org/10.5281/zenodo.18777133)

Author notes

Rahma Al-Nahas is affiliated with Cairo University and focuses on African Studies research in Africa.

Wael Ismail Abdelrahman is affiliated with Department of Research, Tanta University and focuses on African Studies research in Africa.

Ahmed El-Sayed is affiliated with Cairo University and focuses on African Studies research in Africa.

Abstract

Blockchain technology has gained significant attention for its potential to revolutionize digital payments in various regions, including West Africa. This article focuses on the adoption and performance of blockchain-based systems in Egypt within this context. The analysis is based on secondary data sources from government reports, industry publications, and academic journals. A comparative framework is employed to assess the performance of blockchain systems in Egypt and other selected West African countries. A notable finding is the rapid adoption rate of blockchain technology across various sectors, particularly finance and supply chain management, driven by technological advancements and cost reductions. The integration of blockchain technology into digital payment systems has led to improved efficiency, reduced transaction costs, and enhanced transparency in financial transactions. However, regulatory challenges persist and require further attention. Policy makers should prioritise the harmonization of national and international standards for blockchain-based payments. Additionally, fostering public-private partnerships can accelerate technological adoption and address security concerns.

Keywords: *African geography, Digital payments, Blockchain technology, Financial inclusion, Payment systems, Technological adoption, Performance analysis*

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