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Digital Financial Inclusion and Economic Growth: Governance Challenges and Policy Implications

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ABSTRACT

Digital financial inclusion has emerged as an important component of contemporary economic development due to its ability to expand financial access, support economic participation, and accelerate digital economic transformation. This study systematically reviews the literature on digital financial inclusion and economic growth, with a particular focus on governance challenges and policy implications within the digital economy. The findings indicate that digital financial inclusion contributes positively to economic growth through improved financial accessibility, transaction efficiency, entrepreneurship, and participation in formal financial systems. However, the review also reveals that the effectiveness of digital financial inclusion is strongly influenced by governance quality, regulatory capacity, institutional readiness, digital literacy, and technological accessibility. In addition, digital inequality and exclusion remain significant barriers that may limit inclusive economic outcomes. The study concludes that successful digital financial inclusion requires integrated governance approaches that combine technological innovation, regulatory adaptation, institutional development, and social inclusion strategies to ensure sustainable and inclusive economic growth.

Keywords: *Digital Economy, Digital Financial Inclusion, Economic Growth, Financial Literacy, Governance Challenges.*

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1. | INTRODUCTION

The rapid expansion of digital technologies has transformed financial systems worldwide, creating new opportunities for financial access, economic participation, and inclusive growth. Digital financial inclusion has emerged as a central component of the digital economy, enabling individuals and businesses to access financial services through digital platforms such as mobile banking, electronic payments, and fintech applications. Khera et al. (2021) emphasize that digital financial inclusion has the potential to unlock economic growth by increasing access to financial services and improving financial efficiency. Similarly, Tay et al. (2022) highlight that digital financial inclusion contributes to sustainable development by enhancing economic participation and reducing barriers to financial access. As digital technologies become increasingly integrated into economic systems, financial inclusion is no longer viewed solely as a social objective but also as a driver of economic development. Consequently, digital financial inclusion has become an important area of research within the broader context of digital transformation and economic growth.

The relationship between digital financial inclusion and economic growth has attracted increasing attention in recent literature due to its potential to promote inclusive economic development. Digital financial services can improve financial accessibility, reduce transaction costs, and facilitate participation in economic activities, particularly among underserved populations. Shen et al. (2021) demonstrate that digital financial inclusion positively influences economic growth through improved access to financial services across countries. Van et al. (2021) further argue that financial inclusion contributes to broader economic development by increasing financial participation and supporting economic productivity. In addition, Pradhan et al. (2021) highlight the interaction between financial inclusion, information and communication technology development, and sustainable economic growth. These findings suggest that digital financial inclusion has become a significant factor in shaping contemporary economic systems. As a result, governments and institutions increasingly view digital finance as a strategic tool for economic development.

Despite these opportunities, the effectiveness of digital financial inclusion remains uneven due to differences in governance quality, regulatory capacity, and institutional readiness across countries. While digital finance can expand access to financial services, its outcomes are heavily influenced by how financial systems are governed and regulated. Avgouleas and Marjosola (2021) emphasize that digital finance requires adaptive regulatory and governance frameworks capable of addressing evolving technological and financial risks. Brown and Piroska (2022) further highlight that fintech governance involves complex regulatory dynamics in which innovation, supervision, and risk management must be balanced. In many contexts, regulatory systems struggle to adapt to rapid technological change, resulting in governance gaps and inconsistent policy implementation. These limitations reduce the ability of governance systems to ensure inclusive and sustainable digital financial development.

Consequently, governance quality emerges as a critical determinant of the effectiveness of digital financial inclusion.

In addition to governance challenges, digital financial inclusion also raises concerns regarding inequality, digital exclusion, and unequal access to technological resources. Although digital finance can improve financial accessibility, not all individuals or communities possess the technological infrastructure, digital literacy, or economic resources required to benefit from digital financial systems. Mubarak and Suomi (2022) highlight that digital exclusion remains a significant issue, particularly among vulnerable populations such as older adults and digitally marginalized groups. Greene (2021) further argues that technological access is shaped by broader socio-economic inequalities that influence participation in digital systems. Rana et al. (2020) also identify infrastructural limitations, lack of digital literacy, and institutional barriers as major challenges to digital financial service adoption in emerging economies. These findings indicate that digital financial inclusion can simultaneously reduce and reproduce economic inequalities depending on governance and institutional conditions. Therefore, understanding the limitations and challenges of digital finance is essential for evaluating its broader economic implications.

The growing body of literature on digital financial inclusion demonstrates significant scholarly interest in its economic, technological, and governance dimensions. Existing studies have examined topics such as fintech adoption, financial access, economic growth, financial literacy, and digital inequality from various perspectives. Gallego-Losada et al. (2023) show that research on digital financial inclusion has expanded rapidly, reflecting increasing academic and policy attention toward digital finance. Ozili (2021) further highlights that financial inclusion research has evolved into a multidimensional field involving economics, governance, technology, and development studies. However, despite the breadth of existing research, studies often focus on specific dimensions of digital financial inclusion rather than synthesizing the broader relationship between economic impacts and governance challenges. This creates a fragmented understanding of how digital financial inclusion contributes to economic development under different institutional and regulatory conditions. Consequently, there remains a need for a more comprehensive synthesis of the literature.

Based on these considerations, this study aims to systematically review the literature on digital financial inclusion and economic growth, with a particular focus on governance challenges and policy implications. Using a qualitative systematic literature review approach, the study synthesizes findings from recent academic literature to identify major themes, patterns, and research trends related to digital financial inclusion. The review follows systematic review principles to ensure transparency and consistency in the selection and analysis of literature. Snyder (2019) emphasizes that literature reviews can provide comprehensive insights into research developments by identifying conceptual relationships and emerging trends. In addition, Page et al. (2021)

highlight that systematic review methodologies improve the rigor and reliability of evidence synthesis. Through this approach, the study seeks to provide a more integrated understanding of how governance quality, regulatory frameworks, and institutional conditions influence the economic effectiveness of digital financial inclusion.

2. | LITERATURE REVIEW

Digital Financial Inclusion

Digital financial inclusion refers to the use of digital technologies to expand access to financial services for individuals and businesses that are traditionally excluded from formal financial systems. The development of fintech, mobile banking, and digital payment systems has significantly transformed the accessibility and delivery of financial services across different economic contexts. Khera et al. (2021) emphasize that digital financial inclusion enhances financial accessibility by reducing transaction costs and increasing the efficiency of financial services. Tay et al. (2022) further highlight that digital financial inclusion contributes to sustainable development by improving economic participation and reducing barriers to financial access. In addition, Ozili (2022) argues that digital finance has reshaped traditional financial systems by integrating technological innovation into financial inclusion strategies. These perspectives indicate that digital financial inclusion has become an important component of the broader digital economy. Consequently, digital finance is increasingly viewed as a mechanism for expanding economic participation and improving financial accessibility.

The growth of digital financial inclusion is closely associated with the expansion of digital transformation and technological innovation within financial systems. Fintech services have enabled financial institutions to reach underserved populations more efficiently through digital platforms and mobile technologies. Kandpal and Mehrotra (2019) highlight that fintech and digital financial services play a significant role in expanding financial inclusion, particularly in emerging economies. Siddik and Kabiraj (2019) further argue that digital finance contributes to inclusive growth by increasing financial participation and facilitating economic transactions. In addition, Pazarbasioglu et al. (2020) emphasize that digital financial services provide opportunities to improve financial access and efficiency at both individual and institutional levels. These developments indicate that digital transformation has fundamentally changed the structure and accessibility of financial systems. As a result, digital financial inclusion has become increasingly integrated into economic development strategies.

Economic Growth Implications of Digital Financial Inclusion

The relationship between digital financial inclusion and economic growth has become a major area of interest within economic and development research. Financial inclusion contributes to economic growth by improving access to financial resources, facilitating investment, and supporting productive economic activities. Shen et al.

(2021) demonstrate that digital financial inclusion positively influences economic growth through increased financial accessibility across countries. Van et al. (2021) further emphasize that financial inclusion contributes to economic productivity and broader economic development by increasing participation in formal financial systems. Pradhan et al. (2021) also identify a dynamic relationship between financial inclusion, information and communication technology development, and sustainable economic growth. These findings suggest that digital financial inclusion can enhance economic performance through multiple economic channels. Consequently, digital finance has become increasingly associated with strategies for achieving inclusive economic development.

In addition to promoting economic growth, digital financial inclusion has also been linked to poverty reduction and reductions in income inequality. Omar and Inaba (2020) highlight that financial inclusion contributes to reducing poverty and income inequality in developing countries by expanding financial access among underserved populations. Demir et al. (2022) further demonstrate that fintech-driven financial inclusion can influence income distribution and economic equality. However, Yue et al. (2022) argue that digital finance may also generate negative outcomes such as debt dependency and financial vulnerability if governance mechanisms are weak. These contrasting findings indicate that the economic impacts of digital financial inclusion are not uniformly positive across all contexts. Instead, outcomes are influenced by institutional conditions, governance quality, and regulatory frameworks. Therefore, the relationship between digital financial inclusion and economic growth remains complex and context-dependent.

Governance and Regulatory Challenges

The expansion of digital finance has introduced significant governance and regulatory challenges, particularly in relation to financial supervision, institutional adaptation, and risk management. Digital financial systems operate within rapidly evolving technological environments that often outpace traditional regulatory frameworks. Avgouleas and Marjosola (2021) emphasize that digital finance requires adaptive governance structures capable of addressing emerging technological and financial risks. Brown and Piroska (2022) further argue that fintech governance involves balancing innovation, regulation, and supervision within increasingly complex financial systems. In addition, De Paz (2022) highlights that digital economic transformation creates new challenges for financial regulation and institutional oversight. These findings indicate that governance systems must continuously adapt to technological developments in order to maintain regulatory effectiveness. Consequently, governance quality plays a central role in determining the sustainability of digital financial inclusion.

The effectiveness of digital financial inclusion is also influenced by institutional readiness and the capacity of governance systems to support technological transformation. Gancarczyk et al. (2022) highlight that the fintech transformation of financial systems involves governance dynamics that shape socio-economic outcomes within different contexts. Lacombe and Jarboui (2023) further emphasize that managing digital transformation in financial systems requires effective governance mechanisms and institutional coordination. In addition, Alekseyenko et al. (2023) identify regulatory and communication challenges associated with financial sector transformation in the digital economy. These findings suggest that institutional capacity and governance structures significantly influence the effectiveness of digital finance initiatives. When governance systems lack adequate regulatory capacity, digital financial inclusion may produce uneven or unstable outcomes. Therefore, governance and institutional readiness remain essential components of successful digital financial inclusion strategies.

Digital Divide, Financial Literacy, and Exclusion

Despite the opportunities associated with digital finance, digital financial inclusion also raises concerns regarding digital exclusion and unequal access to technological resources. Access to digital financial services is often influenced by disparities in infrastructure, digital literacy, socio-economic status, and technological accessibility. Mubarak and Suomi (2022) highlight that digital exclusion remains a significant issue among vulnerable populations, particularly older adults who face technological barriers. Greene (2021) further argues that technological access is shaped by broader social and economic inequalities that influence participation in digital systems. Rana et al. (2020) also identify infrastructural limitations and institutional barriers as key obstacles to the adoption of digital financial services in emerging economies. These findings indicate that digital financial inclusion can reproduce inequalities if structural barriers are not adequately addressed. Consequently, digital finance does not automatically guarantee inclusive economic participation.

Financial literacy and digital capability further influence the effectiveness of digital financial inclusion by shaping how individuals interact with digital financial systems. Khan et al. (2022) emphasize that financial literacy plays an important role in enabling individuals to access and effectively utilize financial services. Morgan et al. (2019) further highlight the importance of digital financial literacy in supporting participation within digital financial environments. In addition, Odei-Appiah et al. (2022) demonstrate that the digital divide significantly affects fintech adoption and financial inclusion outcomes. Liu and Guo (2023) also argue that digital financial inclusion can influence vulnerability to relative poverty depending on the distribution of digital access and financial capability. These findings indicate that digital literacy and technological accessibility are critical determinants of successful financial inclusion. Therefore,

policies aimed at expanding digital finance must also address educational and infrastructural inequalities.

3. | RESEARCH METHOD

This study employs a qualitative Systematic Literature Review (SLR) approach to analyze the relationship between digital financial inclusion, economic growth, governance challenges, and policy implications within the context of the digital economy. A systematic literature review is used to synthesize and evaluate existing academic literature in a structured and transparent manner. Snyder (2019) emphasizes that literature reviews are essential for identifying conceptual developments, research trends, and theoretical relationships within a field of study. Similarly, Linnenluecke et al. (2020) highlight that systematic reviews provide rigorous methods for organizing and synthesizing academic knowledge across diverse research domains. Through this approach, the study aims to identify recurring themes, conceptual patterns, and governance-related challenges associated with digital financial inclusion. As a result, the review provides a comprehensive understanding of how digital finance influences economic development under different institutional and regulatory conditions.

The review process follows the principles outlined in the PRISMA 2020 framework to ensure transparency and consistency in literature selection and analysis. Page et al. (2021) emphasize that PRISMA guidelines improve the quality and reliability of systematic reviews through structured identification, screening, eligibility assessment, and inclusion procedures. Academic literature was collected from major scholarly databases, including Scopus, Google Scholar, ScienceDirect, Springer, Emerald, and Taylor & Francis. The search process used combinations of keywords related to digital financial inclusion, fintech, economic growth, governance, regulation, financial literacy, and digital inequality. Inclusion criteria focused on peer-reviewed journal articles, conference papers, institutional reports, and scholarly publications published between 2019 and 2024 that directly addressed digital financial inclusion and its economic implications. In contrast, publications that focused exclusively on highly technical financial technologies or unrelated digital systems were excluded from the analysis. This process ensured that the selected literature remained relevant to the objectives of the study.

After the literature selection process, the identified studies were analyzed using a qualitative thematic synthesis approach to classify recurring concepts and research patterns. Thematic synthesis enables the identification of conceptual relationships across multiple studies and facilitates the development of broader analytical interpretations. The selected literature was categorized into several thematic areas, including digital financial inclusion, economic growth implications, fintech transformation, governance and regulatory challenges, and digital inequality. This classification process allowed the study to compare findings across different geographical and institutional contexts. In addition, thematic analysis enabled the

identification of similarities, differences, and recurring governance issues associated with digital financial inclusion. Consequently, the study provides an integrated synthesis of the literature rather than isolated descriptive summaries of individual studies.

The analytical process also emphasized the relationship between governance quality, institutional readiness, and the effectiveness of digital financial inclusion initiatives. Studies were examined not only for their economic findings but also for their discussion of regulatory capacity, digital literacy, technological accessibility, and policy implementation. This approach was used to identify how institutional and governance factors shape the outcomes of digital financial inclusion across developed and developing economies. Furthermore, the analysis focused on identifying both positive and negative implications of digital finance, including economic growth opportunities, financial accessibility, digital exclusion, and inequality risks. By integrating these dimensions, the study provides a more balanced understanding of digital financial inclusion within contemporary economic systems. Therefore, the qualitative SLR approach enables the study to generate broader conceptual insights regarding governance and policy implications in the digital economy.

4. | RESULTS

The systematic literature search and subsequent thematic analysis yielded four predominant themes across the selected academic literature. These themes map out the dynamic relationship between digital financial tools and macroeconomic outcomes under varying governance conditions.

Identification of Core Thematic Clusters

The synthesis reveals that digital financial inclusion acts as a major catalyst for structural economic modernization. By transitioning transactions to mobile banking, digital wallets, and fintech applications, economies experience a significant reduction in transaction costs and an increase in overall financial efficiency. Furthermore, the data shows that these platforms unlock micro-entrepreneurship and broaden the formal financial system by incorporating underserved demographics. However, the results demonstrate that this economic trajectory is heavily contingent upon institutional variables. Specifically, the literature points to a deep reliance on local governance quality, regulatory adaptation, and infrastructural equity. Weak regulatory capacity frequently correlates with heightened systemic vulnerabilities, while regional disparities in digital literacy and broadband infrastructure create a distinct "grey divide" that prevents vulnerable groups from participating equally.

Analytical Mapping of Reviewed Literature

To provide a clear overview of the dataset, the extracted themes, corresponding evidence, and representative baseline studies are structured in Table 1.

Figure 1. Matrix of Results from the Thematic Synthesis

Theme	Core Evidence & Impact Channels	Key Representative Citations
Economic Growth & Efficiency	Lowers operational and transaction costs. Improves capital liquidity and systemic efficiency. Drives micro-entrepreneurship and formal market entry.	Shen et al. (2021); Van et al. (2021); Pradhan et al. (2021)
Governance & Regulatory Gaps	Technological innovation outpaces institutional laws. Lack of oversight causes consumer risks. Supervision limits decrease financial stability.	Avgouleas & Marjosola (2021); Brown & Piroska (2022); De Paz (2022)
The Digital Divide & Exclusion	Infrastructure gaps reinforce social inequalities. Unequal access blocks marginalized populations. Elderly and low-income groups face high adoption barriers.	Mubarak & Suomi (2022); Greene (2021); Rana et al. (2020)
Financial & Digital Literacy	Technical capability drives successful long-term use. Low literacy levels correlate with a higher risk of debt traps. Education acts as a prerequisite for inclusive growth.	Khan et al. (2022); Morgan et al. (2019); Odei-Appiah et al. (2022)

Source: Qualitative thematic synthesis of reviewed literature (2019–2024)

5. | DISCUSSION

The core insight emerging from this synthesis is that digital financial inclusion is fundamentally an institutional and governance-dependent process rather than a standalone technological solution. This creates an analytical paradox: while technology provides the decentralized architecture necessary to bypass traditional banking barriers, its economic success remains entirely dependent on centralized institutional frameworks. When regulatory systems fail to adapt quickly, fintech innovations can transform from tools of empowerment into mechanisms of financial vulnerability. This supports the warnings raised by Yue et al. (2022) regarding debt traps, showing that without consumer protection laws and clear supervisory oversight, rapid digital onboarding can lead to predatory lending and financial instability. Therefore, the macroeconomic benefits noted by researchers like Khera et al. (2021) cannot be fully achieved in an institutional vacuum.

Furthermore, the discussion of the literature reveals a critical reality: digital finance does not inherently democratize wealth. Instead, it functions as a double-edged sword that can simultaneously reduce and reproduce socio-economic inequalities. As highlighted by Mubarak and Suomi (2022) and Greene (2021), digital applications require a baseline of physical infrastructure and personal capability. When public policy focuses solely on expanding fintech access without investing in digital literacy and network infrastructure, it leaves marginalized groups further behind. This uneven landscape transforms the digital divide into a deeper structural barrier to wealth distribution.

For policymakers, these findings imply that financial inclusion strategies must shift away from a pure focus on technology adoption. To maximize economic growth, nations need to build an integrated policy framework that addresses regulatory adaptation, infrastructure development, and digital literacy campaigns simultaneously. This involves creating flexible regulatory sandboxes that encourage safe private sector innovation while ensuring strong oversight, subsidizing telecommunications and broadband access in rural and low-income regions to eliminate the physical access gap, and launching public financial education programs to protect new users from financial exploitation and debt cycles.

As a qualitative systematic literature review, this analysis is bound by the scope of its search criteria and the timelines of the published data it synthesizes. While the thematic synthesis provides a clear conceptual framework, it does not measure the exact empirical variations in growth across different legislative environments. Future research should focus on comparative empirical studies, specifically contrasting the long-term economic outcomes of countries utilizing flexible regulatory sandboxes against those using highly restrictive financial policies to determine the most effective governance models.

6. | CONCLUSION

This study concludes that digital financial inclusion has become an important component of contemporary economic development by expanding financial access, supporting economic participation, and facilitating digital economic transformation. The reviewed literature consistently demonstrates that digital financial services contribute to economic growth through increased financial accessibility, improved transaction efficiency, and broader participation in formal financial systems. In addition, digital financial inclusion supports entrepreneurship, financial connectivity, and economic productivity within both developed and developing economies. However, the findings also indicate that the economic benefits of digital financial inclusion are not universally distributed and depend heavily on governance quality, institutional readiness, and regulatory effectiveness. As a result, digital financial inclusion should be understood as a governance-dependent process rather than a purely technological or financial phenomenon. Therefore, the effectiveness of digital financial inclusion is closely linked to broader institutional and socio-economic conditions.

The study further demonstrates that governance challenges remain a major limitation in achieving inclusive and sustainable digital financial development. Rapid technological transformation has created difficulties for regulatory systems that often struggle to adapt to evolving financial technologies and emerging digital risks. In addition, digital inequality, limited financial literacy, and disparities in technological access continue to restrict participation among vulnerable populations. These challenges indicate that expanding digital financial services alone is insufficient to ensure inclusive economic outcomes. Instead, successful digital financial inclusion requires integrated governance approaches that combine financial innovation with

regulatory adaptation, institutional coordination, and social inclusion strategies. Consequently, governance quality and institutional capacity emerge as critical determinants of the long-term effectiveness of digital financial inclusion initiatives.

Finally, this study emphasizes that future economic development strategies must increasingly integrate digital transformation, financial inclusion, and governance reform within a cohesive policy framework. Policymakers should prioritize investments in digital infrastructure, financial literacy, and institutional capacity to ensure that digital financial systems remain accessible and inclusive across different socio-economic groups. In addition, regulatory systems must develop adaptive governance mechanisms capable of balancing innovation, financial stability, and consumer protection within rapidly evolving digital environments. Future research may further explore comparative governance models, regional differences in digital financial inclusion outcomes, and the long-term socio-economic impacts of fintech transformation. By synthesizing existing literature, this study contributes to a broader understanding of how governance and institutional conditions shape the economic effectiveness of digital financial inclusion within the digital economy.

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Declaration of Conflicting Interests

The authors declare that there is no conflict of interest.

Ethical Approval and Originality Statement

Ethical approval was obtained for this study. The manuscript represents original work and has not been previously published, nor is it under consideration by another journal.

Data Disclosure Statement

The data that support the findings of this study are available from the corresponding author upon reasonable request.

REFERENCES

Agur, I., Peria, S. M., & Rochon, C. (2020). Digital financial services and the pandemic: Opportunities and risks for emerging and developing economies. *International Monetary Fund Special Series on COVID-19*, 1–21.

Ahmad, A. H., Green, C., & Jiang, F. (2020). Mobile money, financial inclusion and development: A review with reference to African experience. *Journal of Economic Surveys, 34*(4), 753–792.

Alekseyenko, L., Tulai, O., & Babii, S. (2023). Financial sector: Regulatory and communication transformations in the digital economy. *Ekonomichnyy Analiz, 33*(3), 222–231.

Anakpo, G., Xhate, Z., & Mishi, S. (2023). The policies, practices, and challenges of digital financial inclusion for sustainable development: The case of the developing economy. *FinTech, 2*(2), 327–343.

Arner, D. W., Buckley, R. P., & Zetzsche, D. A. (2018). Fintech for financial inclusion: A framework for digital financial transformation. *UNSW Law Research Paper*, 18–87.

Avgouleas, E., & Marjosola, H. (Eds.). (2021). *Digital finance in Europe: Law, regulation, and governance* (Vol. 5). Walter de Gruyter GmbH & Co KG.

Beck, T. (2020). Fintech and financial inclusion: Opportunities and pitfalls. *ADBI Working Paper Series*, 1165.

Brown, E., & Piroska, D. (2022). Governing fintech and fintech as governance: The regulatory sandbox, riskwashing, and disruptive social classification. *New Political Economy, 27*(1), 19–32.

Demir, A., Pesqué-Cela, V., Altunbas, Y., & Murinde, V. (2022). Fintech, financial inclusion and income inequality: A quantile regression approach. *The European Journal of Finance, 28*(1), 86–107.

Demirguc-Kunt, A., Klapper, L., Singer, D., Ansar, S., & Hess, J. (2018). *The Global Findex Database 2017: Measuring financial inclusion and the fintech revolution*. World Bank Publications.

De Paz, J. C. L. (2022). Some implications of the new global digital economy for financial regulation and supervision. *Journal of Banking Regulation, 24*(2), 146–156.

Gallego-Losada, M. J., Montero-Navarro, A., García-Abajo, E., & Gallego-Losada, R. (2023). Digital financial inclusion: Visualizing the academic literature. *Research in International Business and Finance, 64*, 101862.

Gabor, D., & Brooks, S. (2020). The digital revolution in financial inclusion: International development in the fintech era. In *Material Cultures of Financialisation* (pp. 69–82). Routledge.

Gancarczyk, M., Łasak, P., & Gancarczyk, J. (2022). The fintech transformation of banking: Governance dynamics and socio-economic outcomes in spatial contexts. *Entrepreneurial Business and Economics Review, 10*(3), 143–165.

Greene, D. (2021). *The promise of access: Technology, inequality, and the political economy of hope*. MIT Press.

Kandpal, V., & Mehrotra, R. (2019). Financial inclusion: The role of fintech and digital financial services in India. *Indian Journal of Economics & Business, 19*(1), 85–93.

Khan, F., Siddiqui, M. A., & Imtiaz, S. (2022). Role of financial literacy in achieving financial inclusion: A review, synthesis and research agenda. *Cogent Business & Management, 9*(1), 2034236.

Khera, P., Ng, S., Ogawa, S., & Sahay, R. (2022). Measuring digital financial inclusion in emerging market and developing economies: A new index. *Asian Economic Policy Review, 17*(2), 213–230.

Khera, P., Ogawa, M. S., & Sahay, M. R. (2021). Is digital financial inclusion unlocking growth?. *International Monetary Fund*.

Lacombe, I., & Jarboui, A. (2023). Governance and management of digital transformation projects: An exploratory approach in the financial sector. *International Journal of Innovation Science, 15*(4), 611–635.

Linnenluecke, M. K., Marrone, M., & Singh, A. K. (2020). Conducting systematic literature reviews and bibliometric analyses. *Australian Journal of Management, 45*(2), 175–194.

Liu, L., & Guo, L. (2023). Digital financial inclusion, income inequality, and vulnerability to relative poverty. *Social Indicators Research, 170*(3), 1155–1181.

Malladi, C. M., Soni, R. K., & Srinivasan, S. (2021). Digital financial inclusion: Next frontiers—challenges and opportunities. *CSI Transactions on ICT, 9*(2), 127–134.

Morgan, P. J., Huang, B., & Trinh, L. Q. (2019). The need to promote digital financial literacy for the digital age.

Mubarak, F., & Suomi, R. (2022). Elderly forgotten? Digital exclusion in the information age and the rising grey digital divide. *INQUIRY: The Journal of Health Care Organization, Provision, and Financing, 59*, 00469580221096272.

Odei-Appiah, S., Wiredu, G., & Adjei, J. K. (2022). Fintech use, digital divide and financial inclusion. *Digital Policy, Regulation and Governance, 24*(5), 435–448.

Omar, M. A., & Inaba, K. (2020). Does financial inclusion reduce poverty and income inequality in developing countries? A panel data analysis. *Journal of Economic Structures, 9*(1), 37.

Ozili, P. K. (2021). Financial inclusion research around the world: A review. *Forum for Social Economics, 50*(4), 457–479.

Ozili, P. K. (2022). *Digital financial inclusion*.

Page, M. J., McKenzie, J. E., Bossuyt, P. M., Boutron, I., Hoffmann, T. C., Mulrow, C. D., et al. (2021). The PRISMA 2020 statement: An updated guideline for reporting systematic reviews. *BMJ, 372*.

Pazarbasioglu, C., Mora, A. G., Uttamchandani, M., Natarajan, H., Feyen, E., & Saal, M. (2020). Digital financial services. *World Bank, 54*(1), 1–54.

Pradhan, R. P., Arvin, M. B., Nair, M. S., Hall, J. H., & Bennett, S. E. (2021). Sustainable economic development in India: The dynamics between financial inclusion, ICT development, and economic growth. *Technological Forecasting and Social Change, 169*, 120758.

Rana, N. P., Luthra, S., & Rao, H. R. (2020). Key challenges to digital financial services in emerging economies: The Indian context. *Information Technology & People, 33*(1), 198–229.

Shen, Y., Hu, W., & Hueng, C. J. (2021). Digital financial inclusion and economic growth: A cross-country study. *Procedia Computer Science, 187*, 218–223.

Snyder, H. (2019). Literature review as a research methodology: An overview and guidelines. *Journal of Business Research, 104*, 333–339.

Tay, L. Y., Tai, H. T., & Tan, G. S. (2022). Digital financial inclusion: A gateway to sustainable development. *Heliyon, 8*(6).

Tok, Y. W., & Heng, D. (2022). *Fintech: Financial inclusion or exclusion?* International Monetary Fund.

Van, L. T. H., Vo, A. T., Nguyen, N. T., & Vo, D. H. (2021). Financial inclusion and economic growth: An international evidence. *Emerging Markets Finance and Trade, 57*(1), 239–263.

Yue, P., Korkmaz, A. G., Yin, Z., & Zhou, H. (2022). The rise of digital finance: Financial inclusion or debt trap?. *Finance Research Letters, 47*, 102604

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