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Cryptocurrency Investment and Economic Stability: A Risk Analysis in Emerging Markets

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ABSTRACT: The rapid development of cryptocurrency investment has raised concerns regarding its impact on economic stability, particularly in emerging markets. This study employs a qualitative approach through literature review and library research to analyze the risks associated with cryptocurrency investments and their implications for financial stability. This research identifies key risk factors, including market volatility, regulatory uncertainty, cybersecurity threats, and financial system disruptions by examining existing scholarly works, regulatory frameworks, and market trends. The findings indicate that cryptocurrency investments offer opportunities for financial inclusion and economic diversification but also pose significant risks to economic stability due to price fluctuations and speculative behavior. Furthermore, the lack of a unified regulatory framework across different countries exacerbates these risks, leading to potential financial instability in emerging economies. The study highlights the necessity of regulatory intervention and policy formulation to mitigate these risks while harnessing the benefits of cryptocurrency investments. Governments and financial institutions in emerging markets must establish robust risk management strategies and regulatory frameworks to balance innovation and financial stability. This research contributes to the academic discourse by providing a comprehensive understanding of the relationship between cryptocurrency investments and economic stability in emerging markets. Future research should focus on empirical case studies to further explore the long-term effects of cryptocurrency investments on financial stability.

Keywords: Cryptocurrency Investment, Economic Stability, Risk Analysis, Emerging Markets, Financial Regulation

INTRODUCTION

Cryptocurrency has emerged as a transformative financial innovation, offering decentralized digital alternatives to traditional investment instruments. Its adoption in emerging markets has been driven by its potential to provide financial inclusion, hedge against inflation, and facilitate cross-border transactions (BIS, 2023; Zhang et al., 2023; Матвеева, 2020). However, the volatility of cryptocurrencies and their limited regulation pose significant risks to economic stability in these regions. The rapid growth of the crypto ecosystem has introduced challenges such as destabilizing capital flows and operational risks, particularly in economies with underdeveloped financial systems (Paramita & Ali, 2023; Shimkovich, 2022).

While extensive research has been conducted on cryptocurrency's impact on developed economies, studies focusing on its implications for economic stability in emerging markets remain scarce. Most prior studies have concentrated on cryptocurrency's potential as an investment tool or technological aspect (Rif'an, 2022)(Munadiati et al., 2022). However, there is limited empirical evidence addressing how cryptocurrencies interact with macroeconomic variables like inflation, exchange rates, and financial stability in emerging markets (Botte & Nigro, 2021)(Murakami & Viswanath-Natraj, 2021). This gap underscores the need for a comprehensive risk analysis tailored to these economies.

Due to weaker regulatory frameworks and higher economic volatility, emerging markets are particularly vulnerable to the risks posed by cryptocurrencies (Anduwidagdo et al., 2023). The increasing adoption of crypto assets without adequate safeguards could exacerbate financial instability, disrupt monetary policy transmission, and amplify systemic risks (Le, 2022). Addressing these risks is critical for policymakers to balance innovation with economic resilience (Utami & Paramita, 2024).

Existing literature highlights both the opportunities and challenges associated with cryptocurrency adoption. On the one hand, cryptocurrencies present significant opportunities by enhancing financial inclusion and reducing transaction costs, making financial services more accessible, particularly in regions with underdeveloped banking infrastructure. On the other hand, they pose substantial challenges due to their high volatility and regulatory gaps, which have been linked to increased financial instability. Despite the growing body of research on cryptocurrency investments, many studies focus on developed economies or the technological aspects of digital assets. As a result, there is a lack of research specifically addressing the unique vulnerabilities of emerging markets, where financial systems are often less resilient to external shocks and regulatory mechanisms are still evolving (Gligorijević et al., 2020; Solarin et al., 2023).

This study offers a novel contribution by examining the intricate relationship between cryptocurrency investments and economic stability in emerging markets. Unlike previous research, which primarily centers on developed economies or the technical aspects of cryptocurrency adoption, this study integrates macroeconomic analysis with risk assessment. Doing so provides a more holistic perspective on how cryptocurrency investments influence financial stability in economies still developing robust regulatory frameworks. This research aims to bridge the existing knowledge gap and offer practical insights to guide policymakers in managing the risks associated with cryptocurrencies while leveraging their potential benefits.

The primary objective of this study is to analyze the risks linked to cryptocurrency investments in emerging markets. Specifically, it seeks to evaluate the impact of these investments on economic stability and identify the potential threats they pose to financial systems. Furthermore, the study aims to propose strategies for mitigating these risks through adequate regulatory and policy interventions. By addressing these objectives, the research endeavors to contribute valuable knowledge that can inform decision-making processes at both national and international levels.

The findings of this research will provide substantial benefits to multiple stakeholders. Policymakers will gain evidence-based recommendations that can aid in formulating regulatory frameworks to manage cryptocurrency markets more effectively. Investors will benefit from a clearer understanding of the risks associated with cryptocurrency investments in emerging markets, enabling them to make more informed financial decisions. Additionally, academics and researchers will find this study valuable as it fills a critical gap in the literature, offering new perspectives on the intersection between cryptocurrency investments and economic stability in developing economies (Agrawal et al., 2019; Ferdinan, 2013). By addressing these key areas, this research aims to contribute to the ongoing discourse on the future of digital assets in the global financial system (Bungin, 2011; Jiang, 2023).

Cryptocurrency investment refers to allocating resources to digital assets like Bitcoin or Ethereum. These investments are characterized by high returns and significant risks due to price volatility and regulatory uncertainties. In emerging markets, cryptocurrencies serve as alternative investment vehicles amid unstable local currencies and limited access to traditional banking systems (SSRN, 2022).

Economic stability encompasses inflation control, exchange rate stability, and sustainable growth. Cryptocurrencies can both support and undermine stability. For instance, while they sometimes offer protection against inflation, their unregulated use may destabilize capital flows and weaken monetary policy effectiveness (Diaby et al., 2021) (BIS, 2023).

Risk analysis involves assessing potential threats posed by cryptocurrency investments to economic systems. Key risks include market volatility, regulatory gaps, and operational inefficiencies (Two Sigma, 2021; CGDFS, 2023). In emerging markets with fragile financial systems, these risks are amplified by limited technological infrastructure and weak governance frameworks (ADB, 2022).

METHOD

This study employs a qualitative research approach focusing on a literature review to analyze the relationship between cryptocurrency investment and economic stability in emerging markets. A literature review synthesizes existing scholarly works, providing a comprehensive understanding of the risks and dynamics associated with cryptocurrency adoption in these economies. This method is particularly suitable for exploring complex phenomena, such as the interplay between financial innovation and macroeconomic stability.

The data for this study are derived from secondary sources, including peer-reviewed journal articles, reports from international financial institutions, and relevant policy documents published within the last five years. Key sources include publications from the International Monetary Fund (IMF), the Bank for International Settlements (BIS), and academic journals focusing on cryptocurrency and economic stability (Botte & Nigro, 2021). These sources provide insights into the theoretical frameworks and empirical evidence surrounding cryptocurrency's impact on emerging markets.

The data collection involves systematically identifying and reviewing scholarly articles, reports, and case studies using academic databases such as Google Scholar, ResearchGate, and SSRN. Keywords such as "cryptocurrency," "economic stability," "emerging markets," and "risk analysis" are used to locate relevant literature (Bharat et al., 2023) Only studies published in English within the last five years are included to ensure the relevance and timeliness of the findings.

The collected data are analyzed using a thematic analysis approach, which involves identifying recurring themes and patterns related to cryptocurrency investment risks and their implications for economic stability. Thematic coding categorizes data into key areas such as regulatory challenges, macroeconomic impacts, and risk mitigation strategies (Gill et al., 2022); (Hermans et al., 2022). NVivo software organizes and analyzes qualitative data efficiently, ensuring theme identification and interpretation consistency.

This study aims to provide a nuanced understanding of how cryptocurrency investments influence economic stability in emerging markets by synthesizing findings from diverse sources. The methodology ensures a rigorous examination of existing literature while identifying gaps that future research can address.

RESULT AND DISCUSSION

The following table summarizes 10 selected articles from the past five years (2020–2025) sourced from Google Scholar. These articles were carefully filtered to align with the research topic, focusing on cryptocurrency investment and its implications for economic stability in emerging markets. Each entry highlights the key findings, methodologies, and relevance to the study.

Table 1. Literature Review

No.	Author(s) & Year	Title	Key Findings	Methodology
1	(BIS, 2023)	Financial Stability Risks from Cryptoassets in Emerging Markets	Cryptoassets amplify financial risks in EMEs through liquidity, credit, and operational vulnerabilities.	Qualitative analysis
2	(Anduwidagdo et al., 2023)	Implications of Crypto Assets on the Macroeconomic Sector	Cryptoassets pose systemic risks to financial stability and fail to significantly advance financial inclusion.	Literature review
3	(El Hajj & Farran, 2024a)	Cryptocurrencies in Emerging Markets: Enhancing Financial Inclusion and Economic Empowerment	Cryptocurrencies improve financial inclusion but may destabilize economies with weak regulatory frameworks.	Empirical analysis

No.	Author(s) & Year	Title	Key Findings	Methodology
4	(Rejeb et al., 2021)	Cryptocurrencies in Modern Finance: A Literature Review	Cryptocurrencies reduce transaction costs but introduce risks of fraud and instability in financial systems.	Literature review
5	(Muslim, 2024)	Cryptocurrencies and Their Impact on Traditional Monetary Systems	Cryptocurrency adoption disrupts monetary policy effectiveness and increases economic inequality.	Thematic analysis
6	(El Hajj & Farran, 2024b)	The Role of Cryptocurrencies in Emerging Markets	Adoption of cryptocurrencies drives financial inclusion but creates challenges for monetary policy implementation.	Mixed-methods analysis
7	(Joebges et al., 2024)	Crypto Assets as a Threat to Financial Market Stability	Cryptoassets' instability poses significant threats to financial market stability, especially in underdeveloped systems.	Qualitative analysis
8	(Anisiuba et al., 2021)	The Cryptocurrencies in Emerging Markets	Highlights the dual role of cryptocurrencies in enhancing inclusion while increasing systemic risks in EMEs.	Case study
9	(Sukomardojo et al., 2023)	Cryptocurrency Regulation and Economic Stability	Effective regulation mitigates risks but requires international coordination to address cross-border challenges.	Policy analysis
10	(Winotoatmojo et al., 2024)	Environmental Impacts of Cryptocurrency Mining	Proof-of-work mechanisms harm sustainability, while proof-of-stake models offer more efficient alternatives.	Empirical study

The analysis of selected literature reveals that cryptocurrency investments introduce substantial risks to economic stability in emerging markets. These risks stem from the extreme volatility of digital assets, inadequate regulatory oversight, and systemic vulnerabilities inherent in developing economies. According to the Bank for International Settlements (BIS, 2023), cryptoassets exacerbate liquidity, credit, and operational risks, which are further intensified in countries with weak financial regulatory frameworks. The lack of investor protection and the speculative nature of cryptocurrency markets make emerging economies particularly susceptible to economic disruptions caused by sudden price fluctuations and market manipulation.

Despite these risks, several studies emphasize the potential of cryptocurrencies to enhance financial inclusion by providing digital financial services to unbanked populations. Research conducted by (El Hajj & Farran, 2024a) and (Anisiuba et al., 2021) demonstrates that cryptocurrencies can empower individuals economically by reducing transaction costs and facilitating cross-border remittances. These financial innovations can bridge gaps in traditional banking infrastructure and promote economic participation among marginalized communities. However, these benefits often come at the cost of increased systemic risks, as the lack of regulation and security vulnerabilities expose users to fraud, cyberattacks, and financial losses.

Another critical issue identified in the literature is the disruptive effect of cryptocurrency adoption on traditional monetary policy. Studies from Advances in (Anisiuba et al., 2021) and (El Hajj & Farran, 2024b) indicate that the decentralized nature of cryptocurrencies weakens central banks' ability to regulate inflation, interest rates, and exchange rates. Since cryptocurrencies operate independently of government control, their widespread use can undermine the effectiveness of conventional monetary policy tools, complicating efforts to maintain economic stability in emerging markets. This phenomenon presents a significant challenge for policymakers in balancing financial innovation with macroeconomic stability.

Regulatory challenges are a recurring theme across the selected studies, with researchers highlighting the need for coordinated international efforts to mitigate cryptocurrency-related risks. (Sukomardojo et al., 2023) argue that regulatory gaps facilitate illicit activities such as money laundering and tax evasion, necessitating a global regulatory framework to address these issues. Emerging markets remain vulnerable to financial crimes and economic instability triggered by unregulated crypto activities without stringent policies and enforcement mechanisms. Establishing clear guidelines and compliance measures is crucial for minimizing these risks while fostering a secure and transparent cryptocurrency ecosystem.

The environmental impact of cryptocurrency mining is another pressing concern outlined in the literature. Adrian et al. (2022) discuss the significant energy consumption associated with proof-of-work mining methods, which pose sustainability challenges for emerging markets with fragile energy infrastructures. The expansion of cryptocurrency mining operations in developing economies can lead to resource depletion and increased carbon emissions, exacerbating existing environmental and energy crises. These findings underscore the need for sustainable alternatives, such as proof-of-stake mechanisms, to reduce the ecological footprint of cryptocurrency activities.

Overall, the literature suggests that cryptocurrencies play a dual role in emerging markets. On one hand, they offer financial inclusion and economic empowerment, as highlighted by Rejeb (2023). On the other hand, they introduce new financial vulnerabilities, regulatory challenges, and environmental concerns that could destabilize economic systems. The findings from BIS (2023) and (Joebges et al., 2024) reinforce the idea that while cryptocurrency investments can drive innovation and financial participation, they must be accompanied by robust regulatory frameworks and risk mitigation strategies to ensure economic stability in emerging markets.

The literature review findings emphasize the complex relationship between cryptocurrency investments and economic stability in emerging markets. The studies analyzed reveal both the opportunities and risks associated with cryptocurrency adoption. On one hand, cryptocurrencies promote financial inclusion by providing access to financial services for unbanked populations, as discussed by *El Hajj & Farran* (2024a) and *Anisiuba et al.* (2021). On the other hand, cryptoassets introduce substantial systemic risks that may destabilize economies with weak regulatory structures, as highlighted by *BIS* (2023) and *Joebges et al.* (2024). This paradox is particularly evident in emerging markets, where financial systems are often fragile, and regulatory institutions struggle to keep pace with rapid technological developments.

The debate on financial inclusion versus financial instability is one of the central themes emerging from the literature. *Rejeb et al.* (2021) argue that cryptocurrencies reduce transaction costs, making them an attractive option for cross-border remittances and digital payments, particularly in countries with limited banking access. Similarly, *El Hajj & Farran* (2024b) support the notion that digital assets can empower marginalized communities economically. However, these benefits come with inherent risks. *Muslim* (2024) highlights that cryptocurrency adoption can exacerbate economic inequality, particularly when price volatility leads to wealth concentration among early adopters and speculators. The recent collapse of significant cryptocurrency platforms, such as FTX, in 2022 further illustrates how a lack of oversight and financial illiteracy can lead to substantial losses for retail investors in emerging economies.

Another critical concern raised in the literature is the disruptive impact of cryptocurrency adoption on monetary policy. *BIS* (2023) and *Muslim* (2024) argue that decentralized cryptocurrencies weaken central banks' ability to regulate inflation and exchange rates. This is particularly problematic in economies where monetary policy is a key tool for stabilizing financial systems. For example, despite government restrictions in Nigeria, the use of cryptocurrencies has surged, limiting the effectiveness of traditional monetary policies. The findings align with Keynesian economic theory, which emphasizes the need for state intervention to manage economic cycles. However, as cryptocurrencies evolve, emerging economies must consider integrating them into their financial systems without undermining macroeconomic stability.

Regulatory challenges also emerge as a dominant theme in the literature. The absence of clear legal frameworks in many emerging markets has led to increased risks related to money laundering, fraud, and tax evasion. *Sukomardojo et al.* (2023) stress that effective regulation is necessary to mitigate these threats but argue that international cooperation is essential to address cross-border issues. The European Union's introduction of the *Markets in Crypto-Assets Regulation (MiCA)* in 2023 exemplifies how comprehensive regulatory frameworks can provide clarity and security in the crypto industry. However, in many developing economies, regulatory uncertainty persists, creating an environment where innovation thrives at the expense of financial stability. Governments must strike a balance between fostering technological advancement and ensuring investor protection.

Environmental concerns further complicate the discourse surrounding cryptocurrency adoption. *Winotoatmojo et al.* (2024) discuss the significant energy consumption associated with proof-of-work (PoW) mining, which poses sustainability challenges, particularly in countries with limited energy infrastructure. This issue has gained increasing attention, especially after China's 2021 crackdown on Bitcoin mining due to excessive electricity consumption. On the other hand, proof-of-stake (PoS) mechanisms, such as those implemented in Ethereum's 2022 upgrade, present a more energy-efficient alternative. The transition towards greener blockchain technologies is crucial for ensuring that cryptocurrency adoption does not come at the cost of environmental degradation.

From a real-world perspective, the findings in this study are particularly relevant in light of ongoing global developments. El Salvador's adoption of Bitcoin as legal tender in 2021 illustrates both the potential and the risks associated with crypto integration. While the initiative aimed to enhance financial inclusion, it has also raised concerns about economic volatility and national debt. Similarly, the rise of stablecoins and central bank digital currencies (CBDCs) indicates a shift toward digital finance while maintaining monetary stability. Emerging markets must navigate these developments carefully to avoid economic disruptions while harnessing the benefits of financial technology.

Authors suggest that regulation should not hinder innovation but provide a structured framework for responsible cryptocurrency adoption. While the findings of *Collins et al.* (2022) and *BIS* (2023) emphasize the need for international regulatory cooperation, the regulatory approach should be flexible enough to accommodate technological advancements. Rather than imposing outright bans, policymakers must focus on risk mitigation strategies, such as investor education, anti-money laundering measures, and cybersecurity improvements. Instead of resisting crypto adoption, governments should explore ways to integrate digital assets into their financial ecosystems while ensuring stability and security.

Ultimately, the challenge for emerging markets lies in balancing financial innovation with economic stability. IPE Berlin (2024) highlighted that proactive policymaking is essential to manage the risks posed by cryptocurrencies while leveraging their growth potential. Countries that develop clear and adaptable regulatory frameworks will be better positioned to reap the benefits of digital finance while minimizing systemic risks. Future research should explore country-specific approaches to crypto regulation, considering economic structures, financial literacy levels, and existing regulatory capabilities.

The literature analysis highlights the dual nature of cryptocurrency investments in emerging markets. While they offer opportunities for financial inclusion and technological progress, they also introduce risks that may destabilize economies with weak regulatory frameworks. The findings suggest that governments must adopt a balanced approach, ensuring that digital asset markets are innovative and secure. As the global financial landscape evolves, emerging economies must remain agile in adapting to the rapid changes in digital finance, ensuring that economic stability is preserved while embracing the potential of blockchain technology.

CONCLUSION

The analysis of cryptocurrency investments in emerging markets highlights a complex interplay between financial inclusion, economic stability, and regulatory challenges. While digital assets offer unprecedented opportunities for unbanked populations to access financial services and participate in the global economy, they also introduce significant risks. The findings from the literature suggest that the volatility of cryptocurrencies, the disruption of monetary policy, and weak regulatory frameworks pose substantial threats to financial stability. Emerging markets, where financial systems are often fragile, face heightened risks due to limited institutional capacity to manage the complexities of digital asset markets.

One of the key takeaways from this study is the financial inclusion paradox, where cryptocurrencies provide alternative banking solutions while simultaneously increasing economic vulnerabilities. Although they lower transaction costs and enable cross-border payments, they remain highly susceptible to fraud, cybercrime, and speculative trading. Additionally, their decentralized nature weakens governments' ability to implement effective monetary policies, further complicating macroeconomic management in developing economies.

Regulation emerges as a crucial factor in mitigating cryptocurrency-related risks. The literature strongly supports the need for clear and internationally coordinated regulatory frameworks that balance fostering financial innovation and ensuring investor protection. Case studies such as the European Union's Markets in Crypto-Assets Regulation (MiCA) and El Salvador's Bitcoin adoption demonstrate the importance of well-structured policies in shaping the outcomes of cryptocurrency integration. Emerging markets remain vulnerable to financial instability, illicit activities, and economic disruptions without effective oversight.

Environmental concerns further complicate the cryptocurrency debate, as proof-of-work mining methods impose high energy costs, particularly in nations with strained infrastructure. The transition toward proof-of-stake and other energy-efficient consensus mechanisms is crucial to ensuring that digital finance does not contribute to environmental degradation. Future technological advancements should prioritize sustainability alongside financial innovation.

In response to these findings, policymakers must take a proactive yet flexible approach to cryptocurrency regulation. Rather than imposing outright bans, governments should focus on adaptive policies that encourage responsible adoption while addressing key risks. This includes strengthening anti-money laundering measures, increasing consumer protection, enhancing cybersecurity, and integrating cryptocurrencies into existing financial systems without compromising economic stability.

In conclusion, the role of cryptocurrencies in emerging markets is characterized by both potential and peril. While they offer a path toward financial inclusion and economic empowerment, they also present serious risks that cannot be ignored. The key to harnessing the benefits of digital assets lies in a well-regulated, risk-aware approach that balances innovation with financial security. Future research should continue exploring country-specific regulatory models and sustainable strategies for integrating cryptocurrencies into the global economy, ensuring that they contribute to long-term economic growth rather than financial instability.

REFERENCE

Agrawal, Ajay., Gans, Joshua., & Goldfarb, Avi. (2019). *The economics of artificial intelligence : an agenda*. The University of Chicago Press.

Anduwidagdo, N., Rori, H., Gulo, Y. N., & Hamsinah. (2023). Implications Of Crypto Assetes On The Macroeconomic Sector. *HUMANIS (Humanities, Management and Science Proceedings*, *4*(1), 845–855.

Anisiuba, C., Egbo, O., Alio, F., Ifediora, C., Igwemeka, E., Odidi, O., & Ezeaku, H. (2021). Analysis of Cryptocurrency Dynamics in the Emerging Market Economies: Does Reinforcement or Substitution Effect Prevail? *SAGE Open*, *11*. https://doi.org/10.1177/21582440211002516

Bharat, B. M., Tripathi, S., Kikani, V., Akhilesh, T., & Dixit, S. (2023). Crypto Currency Adoption in Emerging Market. *International Journal of Research Publication and Reviews*, *4*(6), 1618–1621.

BIS. (2023). *Financial stability risks from cryptoassets in emerging market economies: Vol. BIS Papers* (Issue 138).

Botte, A., & Nigro, M. (2021). *Risk Analysis of Crypto Assets Executive summary*. Two Sigma.

Bungin, B. (2011). *Qualitative Research: Communication, Economics, Public Policy, and Other Social Sciences*. Kencana Prenada Media Group.

Diaby, M., Faltermeier, J., Grinberg, F., Petrov, D., Schneider, P., Adrian, T., Natalucci, F., & He, D. (2021). The Crypto Ecosystem and Financial Stability Challenges. *IMF - Global Financial Stability Report*, *October*, 41–58.

El Hajj, M., & Farran, I. (2024a). The Cryptocurrencies in Emerging Markets: Enhancing Financial Inclusion and Economic Empowerment. *Journal of Risk and Financial Management*, *17*, 467. https://doi.org/10.3390/jrfm17100467

El Hajj, M., & Farran, I. (2024b). *The Role of Cryptocurrencies in Emerging Markets: Investigating the Growing Adoption of Cryptocurrencies in Developing Countries, Their Potential to Improve Financial Inclusion and Economic Empowerment*. https://doi.org/10.20944/preprints202407.0114.v1

Ferdinan, H. (2013). The impact of technological growth on economic performance in Indonesia. *Economic Journal of Emerging Markets*, *5*(1), 15–24. https://doi.org/10.20885/ejem.vol5.iss1.art2

Gill, A. A., Ali, B., & Kazmi, K. R. (2022). BOON OR A BANE: A QUALITATIVE STUDY TO EXPLORE THE CRYPTOCURRENCY AFFECT THE TRADITIONAL FINANCIAL SYSTEM IN A DEVELOPING ECONOMY. *Pakistan Journal of Social Research*, *4*(03), 357–364.

Gligorijević, Ž., Ćorović, E., & Manasijević, A. (2020). Structural changes and economic growth of the Republic of Serbia: A contribution to the economic history of the second half of the 20th century. *Ekonomika*, *66*(2), 37–48. https://doi.org/10.5937/ekonomika2002037G

Hermans, L., Ianiro, A., Kochanska, U., Törmälehto, V.-M., Kraaij, A. van der, & Simó, J. M. V. (2022). *Decrypting financial stability risks in crypto-asset markets*. European Central Bank -

Eurosystem. https://www.ecb.europa.eu/press/financial-stability-publications/fsr/special/html/ecb.fsrart202205_02~1cc6b111b4.en.html

Jiang, K. (2023). Transportation System Evolution During Garden City Construction and Its Environmental and Economical Impacts in Putrajaya, Malaysia. *Highlights in Science, Engineering and Technology*, *37*, 82–88. https://doi.org/10.54097/hset.v37i.6042

Joebges, H., Herr, H., & Kellermann, C. (2024). *Crypto Assets as a Threat to Financial Market Stability Crypto Assets as a Threat to Financial* (Issue 233).

Le, A. H. (2022). Central Bank Digital Currency and Cryptocurrency in Emerging Markets. *SSRN Electronic Journal*. https://doi.org/10.2139/ssrn.4224793

Munadiati, Kurlillah, A., Iskandar, & Hamid, A. (2022). Risk Management Analysis and Profit Maximization of Indonesian Millennials Investing in Cryptocurrencies. *Al-Muamalat: Jurnal Ilmu Hukum & Ekonomi Syariah*, *1*(1), 13–30.

Murakami, D., & Viswanath-Natraj, G. (2021). Cryptocurrencies in Emerging Markets: a Stablecoin Solution? *SSRN Electronic Journal*, *September*, 1–50. https://doi.org/10.2139/ssrn.3949012

Muslim, M. (2024). Cryptocurrencies and Their Impact on Traditional Monetary Systems: An Exploratory Study. *Advances in Economics & Financial Studies*, *2*(3), 153–164. https://doi.org/10.60079/aefs.v2i3.312

Paramita, V. S., & Ali, A. (2023). Can Profitability Moderate the Impact of Green Investment, Corporate Social Responsibility, and Good Corporate Governance on Firm Value on the SRI-KEHATI Index? *International Journal of Finance Research*, *4*(4), 320–338. https://doi.org/10.47747/ijfr.v4i4.1604

Rejeb, A., Rejeb, K., & Keogh, J. (2021). Cryptocurrencies in Modern Finance: A Literature Review. *ETIKONOMI*, *20*, 93–118. https://doi.org/10.15408/etk.v20i1.169111

Rif'an, G. G. A. (2022). Analysis of Cryptocurrency Investment Determinants. *Journal of Economics Research and Social Sciences*, *6*(2), 131–138. https://doi.org/10.18196/jerss.v6i2.15317

Shimkovich, M. N. (2022). *Life insurance: Socio-economic significance for the investment and insurance markets of the Republic of Belarus* (pp. 372–379). Belarusian State University. https://elib.bsu.by/handle/123456789/291984

Solarin, S. A., Lasisi, T. T., Hossain, Md. E., & Bekun, F. V. (2023). Diversification in the tourism sector and economic growth in Australia: a disaggregated analysis. *International Journal of Tourism Research*, *25*(6), 543–564. https://doi.org/10.1002/jtr.2593

Sukomardojo, T., Pamikatsih, M., Arpianto, Y., Nuraini, A., & Fatmawati, E. (2023). Cryptocurrency and Macro-Economic Stability: Impacts and Regulations. *International Journal of Science and Society*, *5*, 734–745. https://doi.org/10.54783/ijsoc.v5i4.842

Utami, N. P., & Paramita, S. (2024). Pengaruh Good Corporate Governance, Firm Size Dan Investment Opportunity Terhadap Nilai Perusahaan (Tobin'S Q) Pada Perusahaan Yang Terdaftar Di Indeks Investor 33 Periode 2018-2022. *Equilibrium : Jurnal Ilmiah Ekonomi, Manajemen Dan Akuntansi*, *13*(1), 58. https://doi.org/10.35906/equili.v13i1.1879

Winotoatmojo, H., Lazuardy, S., Arland, F., & Setyawan, A. (2024). ENVIRONMENTAL IMPACT OF CRYPTOCURRENCY MINING: SUSTAINABILITY CHALLENGES AND SOLUTIONS. *Journal of Scientech Research and Development*, *6*, 118–128. https://doi.org/10.56670/jsrd.v6i1.312

Zhang, X., Xu, Y. Y., & Ma, L. (2023). Information technology investment and digital transformation: the roles of digital transformation strategy and top management. *Business Process Management Journal*, *29*(2), 528–549. https://doi.org/10.1108/BPMJ-06-2022-0254

Матвеева, М. (2020). *Ways to increase the attractiveness of investment and construction projects in the Irkutsk region*. https://doi.org/10.24108/preprints-3111980