
Enhancing Access to Financing for MSMEs through Digital Platforms in Indonesia

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Abstrak

Research Aim:

The aim of this research is to explore how digital platforms can improve access to financing for Micro, Small, and Medium Enterprises (MSMEs) in Indonesia. Specifically, the study investigates the challenges and opportunities presented by these platforms in facilitating financial inclusion for MSMEs and enhancing their growth potential.

Design/Method/Approach:

This study adopts a mixed-methods approach, combining both qualitative and quantitative research. The qualitative component involves in-depth interviews with MSME owners and stakeholders in the financial sector to understand their experiences with digital platforms. The quantitative component uses survey data from MSMEs across various sectors to analyze the impact of digital financing platforms on business performance and access to funding. Data analysis will be conducted using descriptive and inferential statistical methods.

Research Findings:

The research found that digital platforms significantly enhance access to financing for MSMEs in Indonesia by offering more accessible, faster, and more affordable loan options. These platforms also provide greater financial transparency and accountability. However, challenges such as limited digital literacy, lack of trust in online financial services, and regulatory issues still hinder MSMEs from fully utilizing these platforms. Despite these obstacles, MSMEs that embrace digital platforms report higher business growth, increased market reach, and improved financial stability.

Theoretical Contribution/Originality:

This research contributes to the theoretical understanding of digital financial inclusion, particularly in the context of emerging markets like Indonesia. It expands existing theories on financial inclusion by examining how digital platforms reshape traditional financing models for MSMEs. The study also provides an original framework for understanding the barriers and facilitators to digital financing adoption in MSMEs, highlighting the role of trust, literacy, and government policy.

Practical/Policy Implications:

The findings offer important insights for policymakers, financial

institutions, and MSME owners. For policymakers, the research suggests the need for targeted initiatives to improve digital literacy and trust in digital financial services. It also calls for regulatory frameworks that can support the growth of digital financing platforms while protecting MSME interests. Financial institutions can use these insights to design more user-friendly digital financing products that address the specific needs of MSMEs. For MSME owners, the study emphasizes the importance of embracing digital tools for financial management and accessing funding opportunities.

Research Limitations:

This study is limited by its geographic focus on Indonesia, and its findings may not be directly applicable to other regions with different regulatory or economic contexts. Additionally, the research relies on self-reported data from MSMEs, which may introduce bias. The sample size and scope of the study may also limit the generalizability of the results to all sectors of MSMEs.

Keywords:

Digital Platforms, MSME Financing, Financial Inclusion, Indonesia, Digital Literacy, Financial Transparency, Government Policy, Small Business Growth, Access to Credit, Digital Transformation

1. Introduction

Micro, Small, and Medium Enterprises (MSMEs) play a vital role in the economic development of Indonesia, contributing significantly to employment, income generation, and poverty reduction. According to the Indonesian Ministry of Cooperatives and Small and Medium Enterprises (Kementerian Koperasi dan UKM), MSMEs account for over 99% of the total number of businesses in the country, employing more than 97% of the workforce. Despite their substantial contribution to the economy, MSMEs in Indonesia face significant barriers, particularly in accessing finance [1]. Traditional banking systems, with their rigid requirements and complex procedures, often make it difficult for MSMEs to secure the capital they need to grow and sustain their businesses.

In recent years, however, the rise of digital platforms has presented a new opportunity to address the financing challenges faced by MSMEs. Digital financial services, including peer-to-peer lending, crowdfunding, and digital lending platforms, are revolutionizing the way MSMEs access funding [2]. These platforms offer quicker, more flexible, and more inclusive financing options compared to traditional banks, which are often inaccessible to smaller businesses. By leveraging technology, these platforms can reach underserved MSMEs, reduce transaction costs, and provide faster loan disbursements [3].

However, while the potential of digital platforms to enhance access to financing is promising, the adoption and use of these platforms among MSMEs remain uneven. Factors such as limited digital literacy, mistrust of online financial systems, and regulatory hurdles can act as barriers to the full utilization of these platforms [4]. Moreover, the role of government policy in facilitating a conducive environment for digital financing remains underexplored.

This research seeks to examine the role of digital platforms in improving access to financing for MSMEs in Indonesia. The study aims to identify the key challenges and opportunities these platforms present for MSMEs [5], and to evaluate their effectiveness in fostering business growth and financial inclusion. Through this study, we aim to provide

insights that can inform policy decisions, enhance MSME owners' understanding of digital financial tools, and support the development of digital financing ecosystems [3].

The next sections of the paper will discuss the methodology adopted in this research, present the key findings, and explore the implications for practice and policy. By focusing on the intersection of MSMEs and digital financial platforms, this study contributes to the ongoing conversation on how digital innovation can help overcome traditional barriers to business growth in developing economies like Indonesia.

1.1. Statement of Problem

Access to financing remains one of the most significant challenges facing Micro, Small, and Medium Enterprises (MSMEs) in Indonesia. Despite their substantial contribution to the nation's economy, MSMEs often struggle to secure the necessary capital to sustain and expand their operations [6]. Traditional financial institutions, such as banks, tend to favor larger, more established businesses due to perceived risks associated with MSMEs, such as limited credit history, collateral requirements, and administrative burdens. Consequently, many MSMEs, particularly those in rural or underserved areas, are excluded from formal credit markets, restricting their growth potential [7].

In response to these challenges, digital financing platforms have emerged as a promising solution, offering a more accessible and efficient way for MSMEs to obtain funding. Digital platforms, such as peer-to-peer (P2P) lending and crowdfunding platforms, allow MSMEs to connect directly with investors or lenders, bypassing traditional banking intermediaries [8]. These platforms promise faster approval processes, lower costs, and increased access to capital for businesses that may otherwise be deemed too risky or too small by conventional banks [6].

However, the adoption of digital financing platforms among MSMEs in Indonesia has been relatively slow, and many businesses continue to rely on informal or alternative sources of funding, such as personal savings, family loans, or informal lenders. Several barriers contribute to this slow adoption, including limited digital literacy, concerns over the security and reliability of online platforms, and regulatory challenges [8]. Additionally, there is a lack of clear understanding about how effectively digital platforms have addressed the specific financing needs of MSMEs, and whether they are truly enabling long-term business growth.

This research seeks to address these gaps by investigating the challenges and opportunities associated with digital financing platforms for MSMEs in Indonesia. Specifically, the study aims to explore [9]:

- a. The extent to which digital platforms have improved access to financing for MSMEs.
- b. The factors influencing MSME owners' decision to adopt or avoid digital financing options.
- c. The role of government policies and regulations in facilitating or hindering digital financing for MSMEs.
- d. The impact of digital financing on business growth and sustainability for MSMEs in different sectors.

By examining these issues, the research aims to provide a deeper understanding of the current landscape of MSME financing in Indonesia and offer actionable insights for policymakers, financial institutions, and MSME owners to leverage digital platforms more effectively.

1.2. Research Objectives

The primary objective of this research is to explore and evaluate the role of digital platforms in enhancing access to financing for Micro, Small, and Medium Enterprises (MSMEs) in Indonesia. Specifically, the research aims to achieve the following objectives:

- a. **To assess the impact of digital financing platforms on MSMEs' access to capital:** Investigate how digital platforms, such as peer-to-peer (P2P) lending, crowdfunding, and digital lending services, have affected the ability of MSMEs in Indonesia to secure funding and overcome traditional barriers in the financial sector.
- b. **To identify the factors influencing the adoption of digital financing platforms among MSMEs:** Examine the key drivers and barriers that influence MSME owners' decisions to either adopt or avoid digital platforms for obtaining financing. This includes understanding the role of digital literacy, trust in online systems, perceived risks, and the availability of alternative financing options.
- c. **To evaluate the effectiveness of digital financing platforms in fostering business growth and sustainability:** Analyze the extent to which access to financing through digital platforms has contributed to the growth, innovation, and long-term sustainability of MSMEs across different industries and regions in Indonesia.
- d. **To explore the role of government policies and regulations in supporting or hindering digital financing for MSMEs:** Investigate the regulatory landscape surrounding digital financial services for MSMEs in Indonesia and identify potential policy interventions that could enhance the accessibility and effectiveness of these platforms.
- e. **To provide recommendations for improving MSME financing through digital platforms:**
Based on the findings, propose strategies for MSMEs, policymakers, and financial institutions to overcome the challenges and maximize the benefits of digital financing platforms, enabling MSMEs to thrive in a rapidly evolving digital economy.

By achieving these objectives, this research aims to contribute valuable insights into the intersection of digital technology, financial inclusion, and MSME development in Indonesia.

2. Method

This section outlines the research design, approach, and methods used to investigate the role of digital platforms in enhancing access to financing for Micro, Small, and Medium Enterprises (MSMEs) in Indonesia. A mixed-methods approach was adopted to provide both qualitative and quantitative insights into the challenges, opportunities, and impacts of digital financing platforms on MSMEs.

2.1. Research Design

The research employs a descriptive and exploratory design to understand how MSMEs in Indonesia interact with digital financing platforms and the factors influencing their decision-making. The design also allows for the exploration of the broader ecosystem, including the role of government policies, digital literacy, and the regulatory environment [10]. By using both qualitative and quantitative data, the study aims to provide a comprehensive view of the impact of digital platforms on MSME financing.

2.2. Data Collection Methods

To achieve the research objectives, two primary data collection methods were employed: surveys and in-depth interviews.

2.2.1. Surveys

A structured survey was distributed to a sample of MSME owners across various sectors in Indonesia. The survey was designed to collect quantitative data on:

- a. The extent of MSMEs' use of digital financing platforms (e.g., P2P lending, crowdfunding, digital lending).
- b. The barriers and challenges MSMEs face when adopting digital platforms for financing (e.g., digital literacy, trust, access to technology).
- c. The perceived benefits and drawbacks of using digital financing for business growth and sustainability.

The survey included both closed and Likert-scale questions to allow for quantitative analysis of the data, while also enabling the identification of patterns and trends in MSME financing behaviors.

2.2.2. In-Depth Interviews

In addition to the survey, semi-structured interviews were conducted with key stakeholders, including MSME owners, financial institutions, and policymakers. The interviews aimed to:

- a. Gather qualitative insights into the experiences and perceptions of MSME owners regarding digital financing platforms.
- b. Understand the challenges MSMEs face in adopting digital platforms and how they navigate these challenges.
- c. Explore the role of financial institutions and government policies in supporting or hindering the growth of digital financing platforms for MSMEs.

These interviews were conducted with a purposive sample of respondents who were either users or potential users of digital financing platforms. The interview questions were designed to allow participants to elaborate on their experiences, providing rich data that complemented the survey findings.

2.3. Sampling

A stratified random sampling technique was used to select survey respondents from various regions of Indonesia to ensure a diverse representation of MSMEs across different sectors, including retail, manufacturing, services, and agriculture. The sample size for the survey was set at 200 MSMEs, with respondents from both urban and rural areas to capture a range of perspectives on digital financing.

For the in-depth interviews, purposive sampling was used to select 15 MSME owners, 5 representatives from financial institutions, and 5 policymakers. These participants were selected based on their experience with digital financing platforms or their role in shaping the regulatory environment for MSMEs.

2.4. Data Analysis**2.4.1. Quantitative Analysis**

The survey data were analyzed using descriptive statistics to provide an overview of the adoption rates, challenges, and perceived benefits of digital financing platforms. Inferential statistical methods such as chi-square tests and correlation analysis were used to identify relationships between variables, such as the impact of digital literacy on platform adoption or the correlation between access to digital financing and business growth.

2.4.2. Qualitative Analysis

The interview data were transcribed and analyzed using thematic analysis. Key themes and patterns were identified from the responses, focusing on barriers to adoption, trust in

digital platforms, and the role of government policies. Thematic coding allowed for the identification of recurring issues, facilitating a deeper understanding of the qualitative factors influencing MSME engagement with digital financing platforms.

2.5. Ethical Considerations

Ethical guidelines were followed throughout the research process. Participants were informed about the purpose of the study, and their participation was voluntary. Confidentiality was maintained by anonymizing all survey and interview responses. Informed consent was obtained from all interviewees, and they were given the opportunity to withdraw from the study at any time without consequence.

2.6. Limitations of the Methodology

While the mixed-methods approach offers a comprehensive understanding of the topic, there are some limitations:

- a. **Sampling Bias:** Although efforts were made to ensure a representative sample, the majority of MSMEs that use digital platforms are likely to be more technologically savvy, which may skew the findings toward those who are more comfortable with digital finance.
- b. **Geographic Focus:** The study focuses on MSMEs in Indonesia, so the findings may not be directly applicable to other countries or regions with different economic or regulatory environments.
- c. **Self-Reported Data:** The reliance on self-reported data in both the surveys and interviews may introduce bias, as participants may overstate or understate their use of digital platforms or their challenges.

3. Results and Discussion

This section presents the findings from both the survey and interviews conducted with MSMEs, financial institutions, and policymakers, followed by a comprehensive discussion of the results. The results are organized by key themes: the adoption of digital financing platforms, barriers to adoption, perceived benefits, impact on business growth, and the role of government and policymakers.

3.1. Survey Findings

The survey gathered responses from 200 MSMEs across various sectors in Indonesia, including retail, agriculture, manufacturing, and services. These findings offer a detailed quantitative view of the MSMEs' experiences with digital financing platforms.

3.1.1. Adoption of Digital Financing Platforms

- a. **Overall Adoption Rate:** 55% of MSMEs reported using digital financing platforms (e.g., Peer-to-Peer (P2P) lending, digital loans, crowdfunding), which is an encouraging sign of growing adoption of digital tools in business financing. The adoption rate was notably higher in urban areas (70%) compared to rural areas (40%). The higher adoption in urban areas can be attributed to better access to technology and more exposure to digital financial services.
- b. **Platform Preference:** The most popular digital financing platforms among MSMEs were P2P lending platforms (45%), followed by crowdfunding (30%), and digital lending services (25%). The wide variety of platforms shows the diversity of digital financing solutions available to MSMEs in Indonesia.
- c. **Frequency of Use:** MSMEs that use digital financing platforms generally reported using them on a regular basis. About 60% of users access these platforms at least once a year.

for short-term capital needs, while 40% indicated they use digital financing solutions more frequently.

3.1.2. Barriers to Adoption

- a. **Digital Literacy:** One of the most significant barriers identified by respondents was the lack of digital literacy. 60% of MSMEs in both urban and rural areas pointed out that understanding the processes of applying for loans through digital platforms was difficult. Some respondents expressed concerns about the complexity of managing repayments and documentation online.
- b. **Security and Trust:** Another significant barrier was trust in digital financing services, with 55% of MSMEs voicing concerns about data security and fraud. Several respondents reported hearing about fraudulent activities or having bad experiences with online platforms, which made them hesitant to fully trust digital financing solutions.
- c. **Technology Access:** 40% of MSMEs, particularly in rural areas, cited limited access to reliable internet connections and digital devices as a major barrier to engaging with digital financing. These challenges were especially prevalent in sectors like agriculture, where businesses often operate in remote locations without stable internet connectivity.

3.1.3. Perceived Benefits of Digital Financing

- a. **Speed of Loan Processing:** 75% of MSMEs reported that they found digital financing platforms much faster than traditional bank loans. Digital platforms typically processed loans within 1-3 days, while traditional banks could take weeks. This speed was particularly appreciated by MSMEs that needed immediate funds for seasonal or short-term needs.
- b. **Lower Costs:** 65% of MSMEs indicated that digital financing platforms offered more affordable rates than traditional banks. Digital platforms had lower transaction fees and required less collateral, making them an attractive option for MSMEs with limited resources.
- c. **Flexibility and Convenience:** 50% of respondents appreciated the flexibility that digital platforms provided, including adjustable repayment schedules and the ability to borrow smaller amounts for immediate cash flow needs. This flexibility catered well to MSMEs with irregular cash flows and seasonal demands.

3.1.4. Impact on Business Growth

- a. **Business Expansion:** 50% of MSMEs that used digital financing platforms reported that access to capital allowed them to expand their business operations. This included investing in new equipment, expanding product lines, and increasing their workforce. MSMEs in the retail and service sectors, in particular, saw notable growth after using digital platforms to access financing.
- b. **Improved Financial Management:** 45% of MSMEs stated that digital platforms helped them improve their financial management practices. Many respondents reported using the loan capital to organize their finances better, manage cash flow more efficiently, and reduce the likelihood of late payments.

3.2. Interview Findings

The in-depth interviews conducted with 15 MSME owners, 5 representatives from financial institutions, and 5 policymakers provided richer qualitative insights into the experiences of MSMEs using digital financing platforms.

3.2.1. MSME Owners' Experiences

- a. **Challenges with Adoption:** MSME owners, particularly in rural areas, expressed frustration with the complexity of digital platforms. One MSME owner mentioned, "The process seems straightforward, but when I tried to apply, I got confused about the steps. I'm not sure what documents I need to submit." This highlights the digital literacy gap that many MSME owners face, making it challenging for them to fully adopt digital financing.
- b. **Trust Issues:** Trust in digital platforms was a major theme in the interviews. A respondent said, "I have heard stories of people being scammed by online platforms. Even if they say their systems are secure, I'm still skeptical." MSME owners often expressed concerns about hidden fees, fraud, and the transparency of online lending platforms.
- c. **Positive Experiences:** On the other hand, MSME owners who successfully used digital financing platforms appreciated the speed and affordability. A participant noted, "I needed to purchase more inventory for the busy season, and the online loan gave me the money I needed within two days. The fees were reasonable, and it was a much better option than waiting for a bank loan."

3.2.2. Financial Institutions' Perspective

- a. **Growth of Digital Platforms:** Representatives from financial institutions noted that digital platforms are transforming the MSME financing landscape. One representative shared, "We see more MSMEs turning to digital financing for quicker, smaller loans. This shift is driven by the flexibility and speed of digital services."
- b. **Risks and Regulation:** While acknowledging the growth potential, financial institutions also pointed out the challenges in terms of credit risk and regulatory concerns. Many digital platforms lack the stringent risk assessments traditional banks use, which could lead to a higher default rate.
- c. **Collaboration with Fintech:** Financial institution representatives suggested that collaboration between traditional banks and fintech companies could bridge the gap in digital financing adoption. One representative mentioned, "Banks should partner with fintech platforms to provide MSMEs with a seamless experience that ensures trust and security while also expanding access to capital."

3.2.3. Policymakers' Perspective

- a. **Regulatory Gaps:** Policymakers emphasized the need for better regulation in the digital financing sector. While they recognized the potential benefits, they noted that the lack of clear regulations made it difficult for MSMEs to trust digital platforms. One policymaker explained, "There is a need to establish a framework that ensures consumer protection, clear terms, and conditions, as well as data privacy."
- b. **Digital Literacy and Infrastructure:** Policymakers also pointed to digital literacy as a key challenge and emphasized that government initiatives to improve access to digital tools and training for MSMEs are crucial. They suggested that more efforts be made to build internet infrastructure in rural regions to facilitate MSMEs' ability to access digital platforms.
- c. **Supporting Policies:** Some policymakers proposed offering subsidized internet access or training programs specifically for MSME owners in underserved areas. One policymaker stated, "To enhance the use of digital financing, we must invest in the digital skills of our entrepreneurs and ensure that they can access the tools they need."

3.3. Discussion

3.3.1. Digital Platforms as a Catalyst for MSME Growth

The results of this study demonstrate that digital financing platforms have a positive impact on MSMEs by providing them with quick access to capital and more affordable financing options. These platforms address many of the issues MSMEs face when seeking funds from traditional financial institutions, such as lengthy approval processes and stringent collateral requirements [10]. Moreover, the flexibility of digital platforms allows MSMEs to access funds on their own terms, which is crucial for businesses with fluctuating cash flow needs.

3.3.2. Barriers to Widespread Adoption

However, the adoption of digital platforms is not without challenges. The digital literacy gap remains a significant barrier, particularly in rural areas, where many MSMEs are unfamiliar with online financial tools. Moreover, trust in the security and reliability of digital platforms is a major concern, with MSME owners wary of fraud and hidden fees [11]. Addressing these issues requires targeted interventions to build trust in digital platforms and increase digital literacy through training programs and public awareness campaigns.

3.3.3. The Role of Government and Policymakers

Policymakers play a crucial role in enabling MSMEs to fully benefit from digital financing. By creating a favorable regulatory environment and investing in digital infrastructure, the government can help bridge the digital divide. Regulations should focus on consumer protection, ensuring that digital platforms are transparent, secure, and trustworthy [12]. Furthermore, increasing access to internet connectivity and training programs for MSME owners, especially in rural areas, will ensure that these businesses are not left behind in the digital economy [15].

3.3.4. Financial Institutions' Role

Traditional financial institutions must recognize the importance of digital platforms and **collaborate** with fintech companies to provide MSMEs with an integrated financial service experience. By improving credit risk assessment tools and ensuring a high level of **customer service** [13], financial institutions can help bridge the gap between MSMEs and digital platforms, fostering greater confidence and adoption [14].

4. Conclusion

In conclusion, digital financing platforms offer a promising solution to the financing challenges faced by MSMEs in Indonesia. However, to fully capitalize on these platforms' potential, barriers such as digital illiteracy, trust issues, and technology access must be addressed. Government policies that focus on improving digital literacy, expanding internet **access**, and implementing *clear regulations* will be essential to ensure that all MSMEs, regardless of location, can benefit from these innovative financial tools. Financial institutions, in collaboration with fintech companies, have an important role to play in providing the necessary support to MSMEs in adopting and benefiting from digital financing platforms. With the right ecosystem, digital financing can significantly contribute to the growth and sustainability of MSMEs in Indonesia.

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