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A Comprehensive Literature Review on the Role of PayTechs as Pivotal Drivers in the Digital Transformation of Inclusive Financial Systems in Morocco: Implications for Economic Accessibility and Technological Innovation

Soraya Hajar El Maaroufi[1], Si Mohamed Bouaziz[2], Eddekkar Zouhair[3], Fatima-Zahra Oumouri[4], Fatima El Gareh[5]

[1]PhD Student-Researcher associated with the LAREFMO, Research Laboratory in Entrepreneurship, Finance, and Management of Organizations, Faculty of Legal, Economic, and Social Sciences (FSJES), Ibn Zohr University – Agadir- Morocco

[2]Permanent Researcher associated with the LAREFMO Research Laboratory in Entrepreneurship, Finance, and Management of Organizations Faculty of Legal, Economic, and Social Sciences (FSJES) Ibn Zohr University – Agadir- Morocco

[3]PhD Student-Researcher with Laboratory: Economics and Management of Organizations. FEG-Kénitra Ibn Tofail University - Kénitra- Morocco

[4]PhD Student associated with the LAREFMO PhD Student-Researcher in Entrepreneurship, Finance, and Management of Organizations Faculty of Legal, Economic, and Social Sciences (FSJES) Ibn Zohr University – Agadir- Morocco

[5]PhD Student, Laboratory of Studies and Applied Research Economics Faculty of Legal, Economic, and Social Sciences (FSJES), Ibn Zohr University – Agadir- Morocco

Corresponding Author Email : sorayahajar.elmaaroufi.22@edu.uiz.ac.ma

Abstract—Digitalization plays a crucial role in today's world, especially with the rise of Fintechs within the financial ecosystem. Mobile money has been instrumental in advancing financial inclusion, particularly in sub-Saharan Africa. PayTechs, which focus on payment technologies and solutions, serve as a key driver of change by providing underserved populations, particularly in rural areas, with access to essential financial services. This research aims to explore the potential positive relationship between the development of PayTechs and the growth of financial inclusion in Morocco. A comprehensive literature review will be conducted, covering the emergence of PayTechs, their history, various definitions, and the different perspectives surrounding them.

Keywords: digitalization, financial inclusion, PayTechs, banking, financing, Morocco

I. INTRODUCTION

The strengthening of the profitability of each country's financial system must today keep pace with the technological revolution that is affecting the global market, as well as the needs and demands of its customer base. However, developing countries should implement a strategy focused on the development of their financial and banking systems, particularly by giving significant importance to inclusive finance. This approach remains the best way to minimize social indifference and give the entire population access to financial services, while also minimizing barriers—whether they are cost-related or of other types—when using financial services.

Financial inclusion or inclusive financing is a priority within the programs set up by the World Bank and is part of the objectives outlined by the United Nations for sustainable development. According to Isukul and Tantua, traditional banks with physical branches are not effective in solving the problem of financial inclusion in developing countries.

In this context, the global banking system has undergone a remarkable revolution by introducing digital services and products. However, it is important first to define certain terms to understand the role of each product.

What are “FinTech” and “PayTechs”? The term "FinTech" is a contraction of "finance" and "technology." As the name suggests, these are technology companies in the financial sector, providing innovative solutions for financial services, particularly for individuals and businesses. FinTechs cover a wide range of financial services: digital wealth management through applications, blockchain, digital loans, and electronic payment services.

“PayTechs” are essentially a subset of FinTechs, specifically focused on the payment value chain, involving payment service providers and payment technology providers. They concentrate on companies that enable remote financial transactions and digital payments.

Since 2020, Morocco has seen the emergence of PayTechs such as Payzone, CashPlus, F-Pay, etc. According to Oumnia Sidqui from the Wavestone consultancy, “Mobile payments, including M-wallets and contactless payments in Morocco, are an expanding solution. The market size is expected to reach 1.5 billion dollars by 2025, with an annual growth rate of 20%.” Thus, PayTechs are payment solutions, which can be contactless, online, or through websites.

Digitalization is the integration of new technologies into traditional business processes to enhance commercial, banking, or social services. This digitalization ultimately adds value to businesses. Nafzaoui, M.A. and El Adib, M. (2020) define the digitalization of businesses as "the implementation of a computer platform that serves as an intermediary between the business and its partners." Digitalization, therefore, involves adopting new digital tools and is a necessity for responding to environmental demands. It is described as the integration of technological innovations.

We can now theoretically question the factors that might explain the growth of PayTechs in Morocco. How does digitalization by PayTechs help reduce financial exclusion in Morocco?

In this work, to explain this reality, we will attempt to answer the following question: "Is there a positive link between the development of PayTechs and the increase in financial inclusion in Morocco?"

First, we will review key concepts related to banking and financial inclusion and digitalization through PayTechs in Morocco. Secondly, we will detail the theories and studies that constitute our argument and their findings. Finally, we will analyze the research results based on theories and studies to conclude on the link between the development of PayTechs and financial inclusion in Morocco. We will also propose strategies to optimize or facilitate better financial inclusion through PayTechs.

To answer our central question, we adopted scientific realism as our epistemological positioning and a hypothetico-deductive approach as our research methodology.

To study our research hypotheses, we focused on reviews, articles, studies, and theories related to the FinTech ecosystem and the digitalization of inclusive financing.

Our hypotheses are as follows:

1. Hypothesis 1: The growth of PayTechs in Morocco leads to an increase in inclusive financing.
2. Hypothesis 2: PayTechs in Morocco improve access to financial services for the poor living in remote or isolated areas.
3. Hypothesis 3: The regulation of PayTechs in Morocco is still ongoing, which reduces consumer trust.

To address "PayTechs as a vector for digitalizing inclusive financing in Morocco," we propose a literature review that will allow us to synthesize various writings and concepts around our topic. We will also list previous research, techniques, and theses that have already been developed on the subject.

This literature review will help us gather data, refine our understanding, and contextualize the issue. The objectives of the literature review on the link between the development of PayTechs and the increase in financial inclusion in Morocco are as follows:

- **Examine previous studies**: The review will explore existing research on the development of PayTechs and financial inclusion, focusing on studies conducted in similar or relevant contexts.

- **Identify trends**: The analysis of previous research will highlight trends observed in the relationship between the development of PayTechs and financial inclusion, emphasizing the factors associated with positive or negative outcomes.
- **Evaluate methodologies**: The review will assess the methodologies used in previous studies, including analytical approaches, data sources, and indicators of financial inclusion.
- **Identify gaps**: By identifying gaps in the existing literature, the review will determine areas where further research is needed, particularly regarding the specific context of Morocco.
- **Propose recommendations**: Based on the findings from the literature review, recommendations can be formulated to guide future research, public policies, and private sector initiatives aimed at promoting financial inclusion through the development of PayTechs in Morocco.

A literature review on this topic will aim to synthesize existing knowledge, identify research gaps, and make recommendations to support the development of PayTechs and improve financial inclusion in Morocco.

II. LITERATURE REVIEW

II.I. CREATIVE DESTRUCTION IN THE BANKING SECTOR: THE RELATIONSHIP BETWEEN BANKS AND PAYTECHS

The concept of "creative destruction" in the banking sector refers to a process where technological innovation and the emergence of new players radically transform the traditional financial landscape, while also opening up new opportunities. In this context, the relationship between banks and PayTechs, or technology companies focused on payment services, plays a crucial role.

It is important to recognize that PayTechs often bring innovative solutions that challenge the traditional business models of banks. Their cutting-edge technologies and operational agility allow them to offer faster, safer, and often cheaper payment services than traditional banks. As a result, consumers and businesses are increasingly attracted to these alternatives.

However, rather than posing a direct threat to banks, PayTechs also offer opportunities for collaboration and partnership. By recognizing their respective strengths and weaknesses, banks can partner with PayTechs to improve their service offerings, accelerate their digital transformation, and reach new market segments.

For example, banks can integrate payment solutions developed by PayTechs into their own online or mobile platforms, thereby offering their customers an enhanced user experience and more diversified payment options. Similarly, PayTechs can benefit from the credibility and reach of banking networks to expand their customer base and strengthen their market presence.

Thus, the relationship between banks and PayTechs in the context of creative destruction represents both a challenge and an opportunity for financial service providers. By collaborating strategically, both parties can fully leverage the potential of emerging technologies and effectively address the evolving needs of consumers and businesses in an ever-changing financial environment.

The concept of creative destruction is well applied in the banking sector with the rapid growth of innovations since 2020 in the case of PayTechs in Morocco. Creative destruction is applicable to the banking sector through back offices, middle offices, and front offices. In fact, this process, according to Faruk ÜLGEN, is referred to by Schumpeter as a process of "innovation-rivalry in a discontinuous environment."

Indeed, the changes affecting the banking sector have been growing since the introduction of PayTechs in Morocco, as mentioned earlier, especially after the 2008 financial crisis, after which PayTechs were able to integrate into the process of development and the introduction of newness into the Moroccan banking system and landscape. We note that the emergence of Moroccan banking regulation and the implementation of international standards, while increasingly opening up to the global financial system, still respects the experience of the so-called strict banking system.

The benefits of collaboration are amplified by the challenges posed to banks by technology giants, as highlighted by a study conducted by Efma Info Sys Finacle, titled "Innovation in Retail Banking," carried out in over 70 countries with 140 retail banks at the end of 2015. However, in the face of the advancement of the GAFA (Google, Apple, Facebook, Amazon) in various banking and financial sectors, the retail banks surveyed have increased their investments in innovation, as recognized by 84% of them, and 69% have identified startups as potential partners to develop new services. While 40% of the banks surveyed express their readiness to collaborate with FinTechs, relatively few have implemented concrete initiatives in this direction, such as partnering with an incubator or an accelerator (20%).

II.II. THE ROLE OF FINTECHS IN THE BANKING AND FINANCIAL ECOSYSTEM

FinTechs are playing an increasingly dominant role in the banking and financial ecosystem, catalyzing significant transformations in how financial services are designed, distributed, and consumed.

Currently, FinTech companies do not yet represent a direct threat to banking activities, as most of them usually integrate with existing banking services. However, this first wave of companies will be followed by an even more revolutionary new generation. We will thus witness the emergence of FinTech banks offering a complete range of services from scratch: an application programming interface (API) for connectivity with third parties, autonomous customer identification procedures (KYC), a basic banking license allowing independence from traditional banks, and the ability to raise public funds without restriction, along with their own customer base. These FinTech banks will focus on a limited set of core products, such as multi-currency bank accounts, multi-currency credit and debit cards, and multi-currency e-wallets. All other services, including investments, trading, brokerage, wealth management, loans, insurance, and payments, will be provided by third parties via APIs, including traditional banks, other financial institutions, and FinTech companies.

They bring a dose of innovation and disruption to a sector often characterized by traditional business models. Their agility, their ability to exploit the latest technological advances such as artificial intelligence, blockchain, and data analytics, allows them to offer innovative solutions to meet the emerging needs of consumers and businesses.

Moreover, FinTechs foster increased competition within the financial sector, forcing traditional institutions to innovate and improve their offerings to stay competitive. This competition drives efficiency, encourages transparency, and ultimately leads to improved services and better pricing for consumers.

Additionally, FinTechs are also potential partners for traditional financial institutions. By collaborating with banks and financial service companies, they can combine their respective strengths to create hybrid solutions that offer the best of both worlds: the expertise and reach of traditional banks with the innovation and agility of FinTechs.

The place of FinTechs in the banking and financial ecosystem has become indispensable. Their emergence has profoundly transformed the financial landscape, opening new opportunities, challenging established models, and reshaping how financial services are designed, distributed, and consumed.

II.III. ADVANTAGES AND RISKS OF FINTECHS

Olivier WYMAN, according to the World Economic Forum (WEF), identifies six advantages and six risks associated with FinTech, which are listed in the table below:

Table 1: Advantages and Risks in FinTech

Advantages	Risks
Increased access to financial services via devices like smartphones	Alternative lending
Lower costs	Market electronification
Better risk management	Data security
Risk diversification	Errors
Enhanced collaboration	Payment efficiency
More intense competition	Regulatory arbitrage

In this table, we observe that the positive outcomes of FinTech are numerous, provided they are managed well and controlled in terms of their use. Additionally, FinTechs offer lower costs and ease of use, which increase customer satisfaction and the number of clients.

Our analysis indicates that FinTechs occupy an increasingly prominent position in the banking and financial ecosystem, offering both significant advantages and risks.

Advantages of FinTechs:

- **Technological innovation**: FinTechs introduce innovative technologies such as artificial intelligence, blockchain, and machine learning to offer more efficient and user-friendly financial solutions.
- **Increased accessibility**: By using digital platforms, FinTechs remove geographical and temporal barriers, allowing for wider access to financial services, particularly for underserved populations traditionally excluded by conventional banks.
- **Cost reduction**: The agile business models of FinTechs often allow them to offer services at lower costs than traditional financial institutions, benefiting both consumers and businesses.
- **Personalization of services**: FinTechs leverage data and advanced analytics to offer personalized financial services, better tailored to individual customer needs.
- **Stimulating competition**: The presence of FinTechs encourages competition in the financial sector, prompting traditional banks to innovate and improve their services.

Risks associated with FinTechs:

- **Data security**: Technology-based services may be vulnerable to cyberattacks and data breaches, putting user confidentiality and financial security at risk.
- **Regulatory fragmentation**: FinTechs often operate in a complex and fragmented regulatory environment, which can lead to compliance challenges and legal uncertainty.
- **Credit risk**: Some FinTech business models, such as crowdfunding and online lending, may carry higher credit risks due to the lack of traditional collateral and the use of alternative evaluation models.
- **Market concentration**: Although FinTechs promote competition, there is a risk that a few large platforms will dominate the market, limiting consumer choice and innovation.
- **Systemic disruption risk**: A major disruption in the FinTech sector, such as a significant failure or a crisis of trust, could have systemic repercussions on the entire financial system.

In conclusion, Fintechs offer significant potential to transform the financial sector, but their emergence also presents challenges and risks that must be carefully monitored and managed. A balanced approach, combining innovation with effective regulatory oversight, is necessary to fully leverage the benefits of Fintechs while mitigating the risks associated with their expansion.

II.IV. FINTECHS AND FINANCIAL INCLUSION

Existing research on digital financial inclusion is still emerging and primarily focuses on specific countries or geographic areas. It includes studies on the development of mobile money services in Kenya (e.g., Jack and Suri, 2014)[1], as well as analyses of regional trends in financial technologies (e.g., Sy et al., 2019, focusing on Sub-Saharan Africa; Berkmen et al., 2019, on Latin America and the Caribbean; and Lukonga, 2018, and Blancher et al., 2019, on the Middle East and Central Asia). Differences in mobile money adoption across regions and countries are generally attributed to factors such as GDP growth, income levels, and the regulatory framework (Gutierrez and Singh, 2013)[2]. Other studies explore the impact of mobile money and the internet (e.g., Loukoianova and Yang, 2018; Jahan et al., 2019)[3], as well as the drivers of adoption (Lashitew van Tulder and Liasse, 2019)[4]. Patwardhan, Singleton, and Schmitz (2018) highlight the importance of mobile payment solutions and other person-to-person money transfer mechanisms, as well as the emergence of new approaches to meet customer due diligence requirements. Research

[1] Jack et Suri (2014) Risk Sharing and Transaction Costs: Evidence from Kenya's Mobile Money Revolution, A Replication Study of Jack and Suri.

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shows a significant correlation between mobile coverage rates and financial inclusion across countries and within them, as well as a positive relationship between the use of mobile money services and the financial inclusion of households and businesses. Households using mobile money accounts tend to be banked, engage in more frequent money transfer transactions, and save more (Mbiti and Weil, 2011)[5]. This research underscores the considerable potential of mobile technology to expand access to the formal banking system in regions where large portions of the population remain unbanked or rely on informal banking services, all while having access to a mobile phone. Some studies have focused on the role of financial technologies (Fintechs) in facilitating access to credit, a crucial aspect of financial inclusion often identified as a major constraint to economic activity, particularly for small and medium-sized enterprises (SMEs) (Ayyagari[6], Demirgüç-Kunt, and Maksimovic, 2017). Research using individual loan data suggests that Fintech lenders process mortgage applications faster than traditional institutions: for example, Fuster et al. (2019) examined disparities between Fintech and traditional lenders in the mortgage market, noting that the former process applications about 20% faster, without increasing the risk of default. They also demonstrated that Fintech lenders adjust their offerings more flexibly in response to demand fluctuations and encourage more refinancing, particularly for borrowers who may benefit from it. Their findings suggest that Fintech companies have improved the efficiency of financial intermediation in mortgage markets.

The 2015 joint survey on small business credit by the U.S. Federal Reserve highlighted access to credit as a significant barrier for smaller, younger, less profitable, and minority-owned businesses. Specifically, it found that only 29% of credit applications from very small businesses (those without employees, dependent on entrepreneurs) were fully funded, while 30% received partial funding. Increasingly, those unable to secure full financing through traditional channels are turning to online alternative lenders. Schweitzer and Barkley (2017) examined the characteristics of businesses using online lenders, based on the 2015 survey. The researchers noted that these borrowers share characteristics with businesses rejected by banks for loans, suggesting that businesses denied by banks have turned to Fintech lenders for financing, especially those that would not meet eligibility criteria for traditional bank funding. A study by Ahmed, Beck, McDaniel, and Schroop (2016)[7] using PayPal Working Capital (PPWC) data shows that nearly 35% of its loans were granted to low- and moderate-income (LMI) businesses, compared to only 21% of loans granted by retail banks. Buchak et al. (2018) examined the growth in market share of shadow banks and Fintech lenders, suggesting that this growth may be explained by differences in regulation and technological advantages. Their findings indicate that Fintech lenders serve more creditworthy borrowers (compared to shadow banks), but apply higher interest rates (14 to 16 basis points), suggesting that consumers are willing to pay for a better user experience and faster decisions. The emergence of Fintech is often seen as a promising solution to reduce inequalities in access to credit. Bartlett et al. (2017)[8] examine this issue by evaluating the role of Fintech lenders in reducing discrimination in mortgage markets. They found that all lenders, including Fintechs, charge minorities more for mortgage loans and refinancing, but that Fintech algorithms discriminate 40% less than in-person lenders.

Regarding the use of new technologies in credit markets, Berg et al. (2019) analyzed the informational content of digital footprints (information easily accessible for any business operating in the digital sphere) to predict consumer defaults. Their results suggest that new technologies and data could improve the ability to assess borrower risks, potentially surpassing traditional methods based on credit scores from traditional agencies. The deployment of databases such as the IMF's Financial Access Survey (FAS) and the World Bank's Global Findex database (Demirgüç-Kunt and Klapper, 2012)[9] has fostered the emergence and use of more comprehensive composite measures of financial inclusion, considering various aspects of access to and use of financial services by households and businesses. Many studies have highlighted the crucial role of Fintechs in promoting financial inclusion (Jack and Suri, 2014; Mbiti and Weil, 2011; Ghosh, 2016; Gosavi, 2018; Tchamyou, Erreyger, and Cassimon, 2019).

III. ANALYSIS OF FINTECHS AND FINANCIAL INCLUSION IN MOROCCO

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III.I. MACRO-ECONOMIC DATA ON MOROCCO

To analyze the link between the development of Fintechs and financial inclusion in Morocco, it is essential to contextualize the Moroccan case using macroeconomic data. This data provides a framework for understanding the economic and financial environment in which Fintechs operate, as well as the specific challenges and opportunities encountered in the country. Here's how this idea can be developed. We gathered our figures from the website of the National Institute of Statistics of Morocco (High Commission for Planning) to obtain the most recent and accurate data on economic growth in Morocco. Morocco has experienced relatively stable economic growth in recent years, with a steadily increasing GDP. This growth provides fertile ground for financial innovation, as it creates an environment conducive to the expansion of financial services and the adoption of new technologies. Morocco recorded an average annual economic growth rate of about 3 to 4%. Despite the progress made in recent years, the banking penetration rate in Morocco remains relatively low, particularly among rural populations and low-income segments. This creates an opportunity for Fintechs to introduce innovative solutions that can reach these unbanked populations and include them in the formal financial system. According to available data, the banking penetration rate in Morocco was about 57 to 60% of the adult population. This means that nearly half of the adult population does not have access to traditional banking services, highlighting the ongoing challenges related to financial inclusion in the country. By examining financial inclusion indicators such as access to banking services, the use of financial services, and participation in the formal financial system, it is possible to assess how Fintechs contribute to expanding access and improving financial inclusion in Morocco.

However, the regulatory and legal framework related to financial services and information and communication technologies (ICT) provides insights into the environment in which Fintechs operate. A favorable regulatory framework can foster innovation and Fintech growth, while a restrictive framework may pose a barrier to their development. Thus, the analysis of the link between the development of Fintechs and financial inclusion in Morocco requires appropriate contextualization through macroeconomic data. This data provides crucial information for understanding the opportunities and challenges faced by Fintechs in their mission to expand access to financial services and promote financial inclusion in the country.

III.II. DIGITALIZATION OF THE FINANCIAL SECTOR IN MOROCCO

III.II.I. MOROCCO DIGITAL 2030

The "Morocco Digital 2030" program could have a significant impact on the development of Fintechs and financial inclusion in the country. Here are some ways this could happen. Morocco Digital 2030 aims to encourage innovation and digital transformation in various sectors of the economy. This direction could promote the development of new technological solutions in the financial sector, thus stimulating the growth of Fintechs. Initiatives such as incubators and tech hubs could provide additional support to Fintech start-ups by offering a space for collaboration, innovation, and growth. However, the Morocco Digital 2030 program encourages cooperation between various public and private sector actors, including traditional financial institutions and technology companies. This increased collaboration could foster partnerships between banks and Fintechs, allowing both parties to leverage their complementary strengths and skills to develop new financial solutions that are innovative and accessible to a larger segment of the population. Thus, the Morocco Digital 2030 program presents a significant opportunity to boost the development of Fintechs and improve financial inclusion in Morocco by promoting technological innovation, collaboration among sector actors, and the expansion of access to financial services through innovative digital solutions.

III.II.II CASA FINANCIAL CITY

Casa Financial City (CFC) could have a significant impact on the development of Fintechs and financial inclusion in Morocco in several ways:

- Financial and technological hub
- Access to capital and investments
- Collaboration and partnerships
- Promotion of financial inclusion

CFC is designed to be a major financial and technological hub in Africa, offering an environment conducive to innovation and collaboration between financial sector actors and technology companies.
CFC could facilitate access for Moroccan Fintechs to capital and investments by attracting national and international investors interested in growth opportunities in the financial technology sector. This could stimulate innovation and the development of new financial solutions, thus energizing the Fintech sector in Morocco.
Fintechs based in CFC could design innovative financial products and services tailored to the specific needs of unbanked or underbanked populations, thus contributing to expanding access to financial services across the country.
In summary, Casa Financial City could play a crucial role in the development of Fintechs and financial inclusion in Morocco as a center of innovation, investment, and collaboration in the financial and technological sectors. By offering an environment favorable to the innovation and growth of Fintechs, CFC could contribute to energizing Morocco's financial landscape and promoting greater financial inclusion throughout the country.

III.II.III. PAYTECHS IN MOROCCO AND THEIR IMPACT ON FINANCIAL INCLUSION GROWTH

In Morocco, there are several initiatives aimed at promoting mobile payments and encouraging the adoption of digital payment solutions. Some banks and financial institutions offer mobile apps that allow customers to access their accounts, transfer money, and make payments via their mobile phones. Additionally, partnerships between telecommunications operators, financial institutions, and financial technology providers can be set up to offer mobile payment services to a broader population.
The development of mobile payments is often seen as an effective way to promote financial inclusion by offering financial services to underserved populations, especially in rural or remote areas where access to traditional banking services may be limited.
In Morocco, there are several companies and institutions offering electronic payment solutions or financial technology (Fintech) services:

- Cash Plus
- Wafacash
- M2M (Maroc Télécommerce)
- Barid Cash
- Poste Maroc

These companies and institutions are examples of PayTechs in Morocco offering electronic payment solutions and contributing to the development of the financial technology sector in the country.

III.III. EVOLUTION OF FINANCIAL SECTOR REGULATION IN MOROCCO

Morocco was a relatively early pioneer in the field of digital payments, integrating "payment institutions" into the banking law of 2014. Before this, only traditional banks and credit institutions were authorized to provide bank or prepaid cards enabling digital transactions, which required users to have a bank account with a traditional financial institution. The revision of the law allowed other entities to offer these services subject to regulatory approval and licensing, thus opening the possibility for unbanked users to make cash deposits at participating branches. The law played a crucial role in promoting the adoption of mobile money in Morocco. Prior to its introduction, mobile money platforms supported by telecommunications operators, such as MobiCash by Maroc Telecom and Meditel Cash by Meditel, struggled to penetrate the market because the regulations of the time required mobile wallets to be linked to banks, necessitating bank account ownership—a condition unfavorable in a Moroccan market with low financial penetration. In accordance with the regulations, these platforms were launched in partnership with the country's traditional banks, limiting the operators' ability to directly tap into the market and achieve returns sufficient to justify their investments. However, following the launch of M-Wallet and the concerted efforts of Bank Al-Maghrib (BAM) to establish a complete digital payment ecosystem, Maroc Telecom launched its own mobile wallet product, renamed MT Cash. Orange and Inwi also introduced their own mobile money services in 2019, while Al Barid Bank, a traditional financial institution, launched its own digital platform, bringing the total number of mobile wallets available to Moroccans to four. MT Cash is independent of the network, meaning users do not need to be customers of Maroc Telecom to use the service, giving it greater growth potential than its competitors. Since telecommunications operators have been authorized to offer mobile financial services as payment institutions, the adoption of mobile money has increased significantly. This is especially important because it constitutes the only realistic way for a significant portion of the population, particularly in rural areas (more than 35% in 2021), to access financial services. In Morocco, PayTechs (electronic payment companies) are regulated by several regulatory and supervisory bodies, including:

- Bank Al-Maghrib (BAM)
- The National Telecommunications Regulatory Agency (ANRT)
- The Interbank Electronic Banking Center (CMI)
- The Ministry of Economy and Finance

Bank Al-Maghrib is the primary body responsible for regulating and supervising the financial sector, including electronic payment institutions.
The ANRT regulates the telecommunications sector in Morocco, including services related to mobile payments.
The CMI is a Moroccan institution that manages the national electronic payment system. The ministry develops policies and strategies aimed at promoting the development of the financial sector, including electronic payment services. It works in collaboration with other regulatory bodies to ensure PayTechs comply with regulations and ensure the integrity of the financial system.
PayTechs in Morocco must comply with the regulations and standards set by these regulatory bodies. This may include obtaining appropriate authorizations and licenses, meeting transaction security requirements, protecting customer data, and complying with anti-money laundering and anti-terrorism financing rules. Additionally, PayTechs are subject to regular monitoring and audits to ensure continued compliance with regulatory standards.

IV. CONCLUSION

In conclusion, it is clear that the development of PayTechs plays a crucial role in promoting financial inclusion in Morocco. The introduction of new regulations and the emergence of new electronic payment platforms have expanded access to financial services to a greater number of people, particularly those in rural and economically disadvantaged areas. PayTechs offer innovative solutions that allow unbanked individuals to perform financial transactions more conveniently and securely, thus reducing traditional barriers to accessing financial services. Furthermore, the increased competition among different PayTechs has stimulated innovation and encouraged the continuous improvement of services offered, benefiting the entire population. Ultimately, the positive link between the development of PayTechs and the increase in financial inclusion in Morocco is undeniable, and it is essential to continue supporting and promoting this sector to ensure sustainable and equitable economic growth in the country.

The three hypotheses regarding the role of PayTechs in Morocco and their impact on financial inclusion and consumer trust present mixed results:

Hypothesis 1: The growth of PayTechs in Morocco facilitates inclusive financing growth. This hypothesis seems to be confirmed by the progress made in the development of digital financial services and the expansion of electronic payment options in the country. However, further studies may be needed to more precisely evaluate the long-term impact of this growth on financial inclusion.

Hypothesis 2: PayTechs in Morocco improve access to financial services for poor people living in remote or isolated areas. This hypothesis is also supported by efforts to extend digital financial services to underserved populations, particularly through initiatives such as mobile payments and electronic wallets. However, challenges remain regarding the accessibility and adoption of these technologies in some remote areas.

Hypothesis 3: Ongoing regulation of PayTechs in Morocco could affect consumer trust. While regulation is necessary to ensure the stability and security of the financial system, regulatory uncertainties could indeed lead to some distrust from consumers. Therefore, it is crucial for regulatory authorities to clarify and stabilize the regulatory framework to strengthen consumer trust in digital financial services.

Furthermore, the challenge of data security represents one of the major issues in the context of the development of PayTechs in Morocco. As these companies deploy innovative technologies to offer more accessible and efficient financial services, protecting users' personal and financial data becomes a critical priority.

PayTechs often collect and process large amounts of sensitive data, such as personal identification, transaction histories, and financial data. Adhering to data protection standards is becoming increasingly important as the regulatory framework evolves. In Morocco, as in many other countries, strict laws and regulations are in place to govern the collection, storage, and use of personal data. PayTechs must comply with these regulations, such as the Moroccan law on the protection of personal data, to ensure users' rights are respected and to avoid potential penalties.

In summary, the challenge of securing data is a crucial aspect of the development of PayTechs in Morocco. By adopting a proactive approach to data security, PayTechs can enhance user trust, comply with regulations, and mitigate risks related to cyber threats while continuing to innovate and develop financial solutions to meet the population's needs. While PayTechs offer significant opportunities to improve financial inclusion in Morocco, challenges remain in terms of adoption, accessibility, and consumer trust. It is essential for stakeholders to continue working together to overcome these challenges and fully harness the potential of digital financial services to promote inclusive economic development in the country.

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