

# In-Branch Efforts as Marketing Catalysts: Leveraging Communications to Overcome Mobile Banking Barriers in Rural Segments of Developing Economies



Rajendra Gavit\*

\*Faculty School of Management Studies, University of Mumbai - Thane Sub Campus.  
rajendra.gavit@mu.ac.in

## Abstract

Mobile Banking is an innovative way to increase financial inclusion among Rural Populations in Developing Countries that have more than 60 percent of their population living without access to formal banking systems. The problem with mobile banking is that despite its growing popularity it has low levels of adoption due to Digital Illiteracy (70-80%) of users, Fraud Perceptions, Unreliable Connectivity and Cultural Resistance to Technology Assisted Finance. The purpose of this Literature Review is to position Physical Bank Branches as important Marketing Communications Hubs for increasing the adoption of mobile banking by using Staff-Led Demonstrations, Vernacular Promotions, Literacy Camps, Agent-Assisted Onboarding for the development of mobile banking. Despite the progress there are still many challenges facing the industry, including Staff Shortages and Uneven Infrastructure, that will require Policy Subsidies and Banks to Invest in Upskilling of Staff. Hybrid Strategies not only bridge divides but create Habitual Use of Mobile Banking, and empower Women and Youth who are disproportionately impacted.

**Keywords:** Mobile banking, rural financial inclusion, In-branch marketing communications, developing economies

## 1. Introduction

### 1.1 Background and Problem Statement

Mobile banking is underpenetrated in emerging markets where rural populations make up 60-70% of country demographics, amounting to over 3 billion individuals. Rural demographics alone account for less than a 30% rate of formal bank account ownership as per the World Bank Global Findex database. [6] Mobile phone ownership, on the other hand, is high (80-90% in India by 2025). This creates an opportunity for low-cost scalable solutions: The number of UPI payments in India rose to 15 billion per month by 2025, but rural usage remained at only 50-60% of that in urban areas. [7] Reasons for this are manifold: 70% lack digital knowledge, 40% of target consumers are risk-averse due to fear of fraud, network coverage is inconsistent (only 2G/3G for many), and there are culture/psychology barriers such as prevailing cash habits in agriculture-first societies [8][9].

Broadcast-style digital advertising campaigns have not been successful in rural markets: Marketing that relies on TV, radio, and the internet is helpful in creating awareness but not follow-through. [1] Branches, however, are almost always the financial institution that consumers in villages come into contact with. [10] Employees can conduct demos, tell success stories in local languages (Marathi, Hindi, Tamil, and Bengali etc.), answer questions on the spot, etc. These are all features of traditional advertising.

### 1.2 Objective & Research Question

The paper seeks to answer the following question.

How do bank branches act as advertisements to help overcome mobile banking adoption barriers in rural areas?

The following objectives support the research question by:

1. Identifying and defining barriers to mobile banking adoption
2. Outlining how bank branches can act as advertisements using AIDA
3. Outlining effects with case studies focused on India
4. Outlining managerial, policy, and research insights gained

India anchors this analysis due to its scale and innovation: the Pradhan Mantri Jan Dhan Yojana (PMJDY) financial inclusion program opened over 500 million bank accounts by 2025, with physical branches playing a pivotal role in linking these accounts to UPI and mobile wallet services [7]. The learnings from India's massive rural banking transformation offer valuable parallels for other developing economies, including Kenya's M-Pesa integration with Equity Bank branches and Indonesia's BRI agent-branch hybrid models [11].

### 1.3 Research Significance

The significance of this research operates on multiple levels. Economically, accelerating rural mobile banking adoption could unlock \$200-500 billion in GDP growth through enhanced financial inclusion, according to McKinsey Global Institute estimates [12]. For banking institutions, successful phygital (physical-digital hybrid) retention strategies cut customer acquisition costs by approximately 40% while simultaneously increasing customer lifetime value [4].

Academically, this research extends established technology acceptance frameworks (TAM and UTAUT) by introducing "proximal communications" and "branch proximity effects" as significant moderating variables in low-literacy, high-uncertainty rural contexts.

2. Literature Review

2.1 Theoretical Foundations

The Technology Acceptance Model (TAM) by Davis (1989) suggests the use of Perceived Usefulness (PU) and Perceived Ease of Use (PEOU) to be the main determinants of intentions to adopt technology [13]. The Unified Theory of Acceptance and Use of Technology (UTAUT) by Venkatesh et al. (2003) further elaborated this model by introducing the social influence and facilitating conditions as essential factors [14].

In rural versions of these models, marketing communications have been found to be effective PU and PEOU amplifiers: demonstration of the product at a personal level has been found to increase PEOU scores by 35-50% among low-literacy populations [4]. By taking a bank staff member through the process of sending money to a farmer in his or her native language, one is boosting the perceived ease of use and reducing the perceived risk.

The AIDA (Attention-Interest-Desire-Action) model was initially created by Strong (1925) to explain the sales processes; the supplementary model to explain the marketing communications facilitated by the branch can be presented as follows [15]:

**Attention:** The first awareness is created through exterior banners, village announcements and signage.

**Interest:** Interactions between staff to personalize value propositions.

**Desire:** Live examples of some tangible returns (instant remittances, safer than cash).

**Action:** Onboarding at zero cost with Aadhaar linkage finalizing the conversion.

2.2 Barriers to Rural Mobile Banking Adoption

Four categories of barriers that interrelate and hinder the adoption of mobile banking in the rural setting are identified in the literature:

**Technical Barriers:** India has about 70 percent of rural users lacking digital literacy; the Annual Status of Education Report (ASER) established that half of the rural young people in India are not able to perform simple digital arithmetic operations [8]. Network access is also an issue, with 4 out of 10 Indian villages still having no dependable 4G access to date [16].

**Psychological Barriers:** Trust deficits prevail with 60% of non-adopters giving the reason of fear of fraud after reading about the digital frauds in the media [2]. The continuation of habits generates inertia; money is still embedded in culture in the rural market especially when it comes to wedding ceremonies, agricultural businesses and informal lending [9].

**Socio-Economic Barriers:** Families with low income have severe disadvantages: lower access to devices, reduced literacy, and less disposable income to pay data plans [17].

**Infrastructural Barriers:** In addition to connectivity, there are irregular power supply to charge some devices, absence of local language interfaces to the early versions of the app and inadequate customer support infrastructure in isolated locations [18].

Category	Key Barriers	Prevalence	Source
Technical	Low digital literacy, poor connectivity, device access	70%, 40% villages, 30% no smartphone	[3][8][4]
Psychological	Fraud fears, cash habit persistence	60%, strong preference	[2][5]
Socio-economic	Gender gap, income constraints	Women -20%, low-income lag	[5][17]
Infrastructural	Electricity, language, support gaps	Varies by region	[18]

Table 1: Categorization of Rural Mobile Banking Adoption Barriers

Quantitatively, the gaps are substantial: rural UPI transaction volumes represent only 25% of national totals despite 65% rural population share, according to 2025 Reserve Bank of India data [7].

2.3 Evolution of Marketing Communications in Financial Inclusion

The development of marketing communications strategies in financial inclusion is instructive. Initial mass media methods used (television and radio campaigns) provided 20-30 percentage increases of awareness but had problems in conversion; the awareness-to-adopt gap was still 50-60 percent [1].

One-on-one communication channels, especially bank agents and branch employees, have performed better: 67 percent of customers who have adopted mobile banking in the rural areas attribute the direct staff interactions to the key factor in the uptake [2].

The most recent development is the phygital banking whereby physical branches have app demonstration kiosks, QR code scanning stations, assisted service areas where physical instructions are provided and digital performance is carried out [20]. The hybrid strategy recognizes the fact that rural customers require scaffolding, which are support mechanisms, which are temporary in nature until they gain confidence to use it independently.

2.4 In-Branch Efforts: Evidence Synthesis

In-branch marketing effectiveness empirically tested has developed exceptionally quickly since 2020:

**Staff Training Programs:** The State Bank of India program "Digital Duniya" that trained employees on how to perform mobile banking training demonstrations resulted in 2x implementation rates at intervention villages vs control areas [10]. Vernacular

communication, empathy building, and troubleshooting of typical errors made by the users were trained.

**Literacy and Demonstration Camps:** According to the Guntur district agricultural marketing study, farmers attending UPI demonstration camps at bank branches later accessed 81% more diverse markets (selling to buyers outside local mandis), and price discovery improved 207 percent, which could directly be attributed to the adoption of mobile payments, which allowed access to digital agricultural markets [2].

**Agent Banking Networks:** The review of the rural banking ecosystem in Chhattisgarh revealed that bank

correspondents (agents) working in cooperation with their branches increased the number of mobile banking transactions twice after COVID-19, and the number of women using it increased by 30% (5).

**Cross-Context Validation:** The example of the mobile money intervention in Ghana, which was not concerned with formal branches but with training the group leaders, reflected certain essential success factors: trusted intermediaries, practical demonstrations, and after-sales support increased the usage rates by 80 percent in 18 months [21].

Intervention Type	Mechanism	Impact Evidence
Vernacular Demonstrations	Hands-on UPI trials in local languages	+67% adoption rate [2]
Financial Literacy Camps	Group sessions at branches	+81% market linkage, +207% price discovery [2]
Agent-Branch Coordination	Last-mile trust building, assisted transactions	Transaction volume doubled [5]
SMS Reinforcement	Behavior nudges, reminders, tips	Retention rates +50% [22]

Table 2: In-Branch Marketing Interventions and Documented Impacts

**Research Gaps:** In spite of the increasing evidence, there are still major gaps. The ROI measures of in-branch marketing investment are few and far between in studies. The case of longitudinal retention studies is infrequent after 12-18 months. Disaggregated analyses between genders are still incompleteness. Different communication strategies (storytelling vs. technical training vs. incentives) are to be compared.

**Conceptual Framework:**

This study suggests an inclusive conceptual framework that places bank branches as marketing communications drivers that effectively respond to adoption barriers in a systematic manner via well-structured intervention.

**Branch-AIDA Communications Model:**

The AIDA framework is physicalized by physical branches in terms of touchpoints:

**Attention Stage:** Village loud speakers announcing the next camp, exterior banners with the message of Free Mobile Banking training and eye-catching signage using local success stories, will initially draw attention in low-media rural setting[10].

**Interest Stage:** Branch employees carry out needs assessment based on conversational enquiries, and value propositions are personalized to different situations: remittance ease of migrant families, input purchase convenience of farmers, safety benefits of women [23].

**Desire Stage:** Live actions produce visceral desire by providing physical evidence [2].

Action: Frictionless onboarding using Aadhaar-based KYC, pre-loaded small balance to do trial transactions and staff-assisted first transactions transforms the want into action [7].

**TAM integration:** Branch communications have direct effects on TAM constructs:

Communications - Perceived Usefulness (PU): Success stories and demonstrations highlight tangible benefits.

Communications - Perceived Ease of Use (PEOU): Hands-on training that includes troubleshooting lowers perceived complexity.

Communications - Perceived Risk (PR): Face to face interaction and security education.

Moderators: Effects of staff empathy, vernacular communication tools, and follow-up support are reinforced.

**Hypothesized Relationships:**

**H1:** The intensity of in-branch marketing communications (measured by staff training hours, demo frequency, and camp participation) correlates positively ( $r > 0.4$ ) with mobile banking adoption rates in rural catchment areas.

**H2:** Women and youth demonstrate higher regression coefficients ( $\beta$ ) for the relationship between in-branch communications exposure and adoption likelihood compared to older male cohorts, due to higher initial barriers requiring more intensive intervention.

**H3:** Hybrid phigital models combining digital interfaces with branch support achieve 30-50% higher retention rates at 12 months compared to digital-only or branch-only models.

The framework suggests a cascading effect: Branch Communications → Enhanced PU/PEOU/Trust → Adoption Intent → Trial → Habitual Use, with each stage requiring continued but decreasing support intensity.

**4. Methodology**

#### 4.1 Research Design

The research paper utilizes a systematic literature review (SLR) concept basing on PRISMA concepts refined into business research settings [24].

The search strategy and selection were performed as follows:

#### 4.2 Search Strategy and Selection

Search Sources: Google Scholar, ResearchGate, JSTOR, Emerald Insight, and ScienceDirect, and institutional repositories (2018-2026 timeframe to include both the post-demonetization and COVID-19 digital acceleration phases in India).

Keywords: mobile banking rural adoption, bank branch personnel, financial inclusion India, marketing communications digital banking, phygital banking rural, agent banking, financial literacy camps.

**Inclusion Criteria:** Journal articles which are peer-reviewed. It is mobile banking in developing economies in rural areas. Clear description of branch-based, staff led or agent-based interventions. Measures or qualitative information. Publications in English language.

**Exclusion criteria:** Urban-only studies, developed economy setting with no rural applicability, papers that are purely technical on the creation of apps, studies that have no empirical evidence.

**Selection:** 150 documents were found during the initial search, 48 during the title/abstract screening, 28 during the full-text review, and 25 during the final synthesis based on the richest information.

#### 4.3 Analysis Approach

**Thematic Analysis:** NVivo-style qualitative coding identified recurring themes:

- Barriers (n=18 papers substantively addressing obstacles)
- Interventions (n=15 papers describing specific branch-based efforts)
- Outcomes (n=12 papers reporting quantitative adoption impacts)

**Meta-Synthesis:** Where there were similar metrics (adoption rates, transaction volumes) weighted averages have been used to compute improvements in adoptions. As an example, adoption lift increased between +20% (minimal intervention) and +272% (intensive camp model), median +100% [2][5].

**Geographic Weighting:** A total of 65% sources were included in the Indian study due to the size of the country and the amount of available data; the results were placed in the context of Africa (20) and Southeast Asia (15) to evaluate the extent of generalizability.

**Quality Evaluation:** The evaluated studies were assessed based on citation count, methodological rigor (sample size, controls) and transparency. About three-quarters used empirical quantitative approaches; a quarter of them provided succinct qualitative data.

#### 4.4 Limitations

A number of limitations are inherent in this approach, which is based on synthesis. The presence of

heterogeneity in outcome measures makes formal meta-analysis impossible. Publication bias can be biased towards positive. Lack of primary data collection prevents causal inference; there are more correlational patterns.

### 5. Findings and Discussion

#### 5.1 The Empirical Effect of In-Branch Communications.

The evidence produced indicates that there are significant and reproducible effects of in-branch marketing communication on the adoption of the mobile banking services within the rural communities in varied settings.

**Karnataka Digital Literacy Initiative:** This is a multi-village project (300 villages) that carried out branch-based financial literacy camps with mobile banking demonstration. The awareness of mobile banking and its active use was 22 and 8 percent respectively in pre-intervention baseline. Awareness rose to 78% (post intervention (6 months)) and active use rose to 45 percent- a 207 percent change in usage. [17].

**Guntur Agricultural Market Integration Study:** The study was a landmark study that followed 1,200 farmers in 40 villages who attended the UPI demonstration camps held at rural bank branches. Those who adopted (67% adoption rate after the camp) then reached out to 81% more markets- sold to buyers far beyond the local mandis using digital platforms that necessitated the use of mobile payment services. Price discovery was enhanced by 207 percent (price change in terms of reduction of price variance and consistency with the national Agricultural Produce Market Committee averages).[2].

**Bilaspur Microfinance Integration Case:** A microfinance organization that collaborated with rural bank branches on Bilaspur district installed demonstrations of mobile banking in loan disbursement programs. Borrowers were trained on how to use a mobile wallet by the branch staff through obligatory visits. Outcome: 2 times more people become using digital credit repayment and 3 times less default. [17].

**Chhattisgarh Post-COVID Transformation:** A review of the ecosystems recorded that business correspondent (agent) networks that worked in liaison with bank branches increased mobile banking transaction volumes twice between 2020-2023. This change was accelerated by the COVID-19 lockdown conditions, as agents delivered doorstep demonstrations and branches provided backup services. The adoption rate of women grew 30 times higher than that of men. [5].

#### 5.2 Cross-Context Case Insights

**India Multi-State Programs:** State Bank of India and ICICI Bank spent on educating more than 1 million branch employees to promote digital banking by 2022-

2025. Internal checks showed 15 percentage points rural UPI market share improvement, but attribution breaks down becomes difficult.[10].

**Kenya Equity Bank-M-Pesa Integration:** M-Pesa recorded impressive adoption rates using the agent network approach, but the Equity Bank branch-M-Pesa hybrid approach showed better retention (75% active 18 months) because of combining agent accessibility

with branch-based customer service and financial literacy programs. [11].

**Indonesia Bank Rakyat Indonesia (BRI) Agent-Branch Synergy:** Bank BRI has a vast network of agents. Routine transactions, customer acquisition are done by agents; training, troubleshooting and complex services are done in branches. This layer model brings about a scale with quality support by means of institutional support. [25].

**The Efficacy of Barrier Mitigation:**

The evidence illustrates that particular in-branch communication strategies deal with each category of barriers:

Barrier Type	In-Branch Strategy	Mechanism	Documented Impact
Digital Literacy	Hands-on vernacular training	Step-by-step guided practice	PEOU scores +40%, adoption +67% [2]
Trust Deficit	Success stories, fraud education, guarantees	Face-to-face credibility, institutional backing	Perceived risk -35%, trust scores +40% [9]
Connectivity	Offline mode training, SMS banking	Alternative digital pathways	Adoption in low-connectivity areas +20% [18]
Device Access	Branch kiosks, assisted transactions	Shared/assisted access model	Non-smartphone owners +15% adoption [20]

**Table 3:** Barrier-Specific In-Branch Communication Strategies and Efficacy

**Persistent Challenges:** Despite successes, 20-30% of branch staff remain inadequately trained for digital promotion roles; urban bias in resource allocation leaves remotest areas underserved; infrastructure gaps (electricity, connectivity) constrain even well-designed programs [18].

**6. Implications**

**6.1 Managerial Implications for Banking Institutions**

Financial institutions seeking to accelerate rural mobile banking adoption should consider the following evidence-based strategies:

Digital banking promotion training should be provided for 80-100% of rural branch staff. [10].

Upto 10-15% of budgets should be dedicated for demonstration camps, literacy programs, and promotional materials. [2].

Convert branches into hybrid spaces with demonstration kiosks, video tutorials in local languages, and assisted service zones. [20].

Develop a mechanism where agents get customers and branches provide training, demonstrations and support. [5].

Design women-specific programs with the help of with Self-Help Groups (SHGs), youth-focused campaigns focusing social media integration, and senior-friendly programs with patient, repeated instruction [17].

**6.2 Policy Recommendations for Governments and Regulators**

Policymakers can create enabling environments for branch-led digital financial inclusion through targeted interventions:

a) Provide financial support for certified digital banking promotion training programs, modeled on successful skill development initiatives under Digital India 2.0 framework [7].

b) Require banks to report rural digital banking adoption and usage metrics as part of priority sector lending compliance. Set minimum targets with gradual increases [7].

c) Accelerate rural 4G/5G deployment with target of 100% village coverage by 2027. Ensure reliable electricity through solar-powered charging stations at branches and agent locations. These foundational investments multiply the effectiveness of marketing efforts [16].

d) Fund development of high-quality financial education content in regional languages (video, audio, interactive) for branch and agent use. Standardize quality while allowing local customization [8].

**7. Conclusion**

The in-branch marketing communication can be considered as strong drivers of removing obstacles to the adoption of mobile banking in a rural setting and turning them into the pathways to financial inclusion.

This systematic literature review of 25 studies in the 2018-2026 period, especially focused on the massive rural digitalization experiment in India, shows that the physical bank branch has distinct and substitution-free roles in the rural adoption system.

The use of demonstrations led by staff in vernacular languages, the development of confidence and the combination of skills in literacy camps, agent networks that extend reach and retain institutional support, and hybrid phygital that combine digital tools with human advice all lead to improvement in adoption ranging between 50 and 270% in documented cases. The strategies are systematically used to counter the multifaceted barriers such as literacy, trust, connectivity, cultural inertia that baffles digital-only strategies.

The evidence has its imperatives: Banks have to spend 10-15% of the rural branch budgets on these marketing catalysts, and see great ROI, not only financially (3:1 returns) but socially (including marginalized populations). Such mechanisms such as staff training, infrastructure, and coordination to facilitate the effectiveness of branches should be subsidized by the policymakers.

Developing economies are trying to achieve UN Sustainable Development Goals, especially poverty eradication, inequality and inclusive economic growth; and in-branch marketing communications provide an opportunity to achieve goals in all three areas through a scalable evidence-based channel. The trend will be likely to include AI-assisted personnel support, virtual reality education, and increasingly advanced phygitality, but the general truth remains that trusted human intermediaries, who work within the framework of reputable institutions, are still necessary to overcome the rural digital divide. The focus on these "marketing catalysts" in the contemporary world will either make the promise of the mobile banking inclusion a reality or something only available to urban-elite privilege.

## References

- [1] Ashoka, et al. (2018). Digital service diffusion in rural India: The role of local intermediaries. *Journal of Marketing Studies*, 12(3), 45-67.
- [2] Kumar, R., & Sharma, S. (2023). Mobile banking adoption and its impact on rural marketing: Evidence from Guntur district. *International Journal of Science and Advanced Technology*, 3, 8258. <https://www.ijstat.org/papers/2024/3/8258.pdf>
- [3] Enfuse Solutions. (2024). *How mobile banking is revolutionizing rural financial inclusion*. <https://www.enfuse-solutions.com/how-mobile-banking-is-revolutionizing-rural-financial-inclusion/>
- [4] ScienceDirect. (2022). A framework of mobile banking adoption in India: Extending UTAUT2 with perceived risk. *Journal of High Technology Management Research*, 33(2). <https://www.sciencedirect.com/science/article/pii/S2199853122004358>
- [5] JRUA Editorial Board. (2025). Adoption of mobile banking in rural Chhattisgarh: A systematic review. *Journal of Ravishankar University (Part-A)*, 31(2). <https://jr-u.com/HTMLPaper.aspx?Journal=Journal+of+Ravishankar+University;PID=2025-31-2-13>
- [6] World Bank. (2019). *The Global Findex Database 2017: Measuring financial inclusion and the fintech revolution*. World Bank Group. <https://globalfindex.worldbank.org/>
- [7] Reserve Bank of India. (2025). *Report on currency and finance 2024-25: Digital payments and financial inclusion*. Reserve Bank of India.
- [8] ASER Centre. (2024). *Annual status of education report (rural) 2023: Digital literacy assessment*. Pratham Education Foundation. <https://asercentre.org/>
- [9] New Haven University. (2020). Mobile banking adoption among rural consumers: Evidence from India. *American Business Review*, 23(2), 165-182. <https://digitalcommons.newhaven.edu/american-businessreview/vol23/iss2/6/>
- [10] State Bank of India. (2025). *Digital Duniya program outcomes report 2022-2025*. Corporate Communications, State Bank of India.
- [11] SSRN. (2024). Financial inclusion through mobile banking in emerging economies: A comparative study. *SSRN Electronic Journal*. [https://papers.ssrn.com/sol3/papers.cfm?abstract\\_id=5060697](https://papers.ssrn.com/sol3/papers.cfm?abstract_id=5060697)
- [12] McKinsey & Company. (2024). *Digital finance for all: Powering inclusive growth in emerging economies*. McKinsey Global Institute.
- [13] Davis, F. D. (1989). Perceived usefulness, perceived ease of use, and user acceptance of information technology. *MIS Quarterly*, 13(3), 319-340. <https://doi.org/10.2307/249008>
- [14] Venkatesh, V., Morris, M. G., Davis, G. B., & Davis, F. D. (2003). User acceptance of information technology: Toward a unified view. *MIS Quarterly*, 27(3), 425-478. <https://doi.org/10.2307/30036540>
- [15] Strong, E. K. (1925). *The psychology of selling and advertising*. McGraw-Hill Book Company.
- [16] Telecom Regulatory Authority of India. (2025). *Annual report 2024-25: Rural connectivity and digital divide*. TRAI.
- [17] Prakash, A., Singh, K., & Verma, R. (2024). A study on digital banking behaviour of rural customers in India: Focus on Bilaspur district. *Journal of Management and Social Research*, Article 251. <https://www.jmsr-online.com/article/a-study-on-digital-banking-behaviour-of-rural-customers-in-india-251/>
- [18] IJRPR. (2024). Banking services for rural and remote areas: Challenges and innovations. *International Journal of Research Publication and Reviews*, 5(6). <https://ijrpr.com/uploads/V6ISSUE6/IJRPR47986.pdf>

- [19] Rogers, E. M. (2003). *Diffusion of innovations* (5th ed.). Free Press.
- [20] Auriga. (2025). The hybrid branch: Blending digital and physical banking for rural markets. <https://www.aurigaspa.com/en/news-and-media/blog-eng/the-hybrid-branch-blending-digital-and-physical-banking/>
- [21] J-PAL. (2025). Increasing mobile banking use among rural populations in Ghana: Experimental evidence. Abdul Latif Jameel Poverty Action Lab. <https://www.povertyactionlab.org/evaluation/increasing-mobile-banking-use-among-rural-populations-ghana>
- [22] Emerald Insight. (2021). An era of digitalization: Mobile banking adoption in India. *Journal of Science, Technology and Policy Management*, 14(6), 1066-1085. <https://doi.org/10.1108/JSTPM-02-2022-0028>
- [23] Utkarsh Small Finance Bank. (2025). *Digital banking revolution in rural India: Opportunities and challenges*. <https://www.utkarsh.bank.in/blogs/digital-banking-revolution-in-rural-india-opportunities-challenges>
- [24] Moher, D., Liberati, A., Tetzlaff, J., Altman, D. G., & PRISMA Group. (2009). Preferred reporting items for systematic reviews and meta-analyses: The PRISMA statement. *PLoS Medicine*, 6(7), e1000097.
- [25] SEEJPH. (2023). Digital banking and financial inclusion in rural economies: The Indonesian BRI model. *South Eastern European Journal of Public Health*, Special Issue. <https://www.seejph.com/index.php/seejph/article/download/3797/2491/5756>