Volume 3 Number 3 (2025)
July – September 2025
Page: 101-112

Assoeltan: Indonesian Journal of Community Research and Engagement
https://edujavare.com/index.php/Assoeltan

Empowering Rural Communities through Financial Literacy and Entrepreneurship Training

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Article history Submitted: 2025/06/12; Revised:2025/07/10; Accepted: 2025/09/29

Abstract

Rural communities often face barriers in accessing financial knowledge and entrepreneurial opportunities, thus limiting their economic independence and development potential. This community service program aims to empower rural micro-entrepreneurs through integrated financial literacy and entrepreneurship training using the Participatory Rural Appraisal (PRA) approach. Implemented in Tuah Madani Village, Tuah Madani District, Pekanbaru, Indonesia, the program involved 30 participants in participatory workshops, mentoring, and digital entrepreneurship sessions. Data were collected through observation, interviews, and pre-post tests, and analyzed using mixed methods with Pearson correlation tests and thematic analysis. Results showed a 42% increase in financial literacy and a strong correlation (r = 0.76) between financial knowledge and entrepreneurial competency. Participants demonstrated improved budgeting, record-keeping, and digital marketing skills, as well as stronger collaboration through community-based entrepreneurship forums. The study concluded that PRA-based empowerment effectively bridges knowledge and practice, thereby encouraging sustainable local entrepreneurship. This program contributes to the discourse on participatory, inclusive, and digital-based rural economic empowerment.

Keywords Entrepreneurship, Financial Literacy, PRA.

INTRODUCTION

Rural communities play a vital role in the economic and social fabric of developing nations, serving as the backbone of agricultural production and local innovation. However, despite their significant contribution, many rural populations continue to face systemic barriers that hinder sustainable development, particularly in terms of access to financial resources, entrepreneurship opportunities, and modern education. Limited exposure to financial literacy and entrepreneurial skills has created a developmental divide between urban and rural areas. As globalization and digitalization accelerate, this gap continues to widen, leaving rural communities more vulnerable to poverty, economic stagnation, and social exclusion. Therefore, empowering rural populations through targeted financial literacy and entrepreneurship training is not merely an economic initiative but a strategic effort toward inclusive and sustainable development.

Financial literacy the ability to understand and manage personal and business finances effectively is increasingly recognized as a critical skill for economic empowerment. Studies have shown that individuals who possess financial literacy are more likely to make informed financial decisions, manage credit responsibly, and build sustainable livelihoods. Unfortunately, rural communities often lack access to financial education programs that can help them navigate complex financial systems, including banking, digital payments, microcredit, and investment opportunities. In Indonesia, for instance, many rural residents remain unbanked or underbanked, relying heavily on informal saving and lending mechanisms that limit their ability to expand business ventures or withstand economic shocks. Without proper financial education, even the availability of microfinance institutions or government aid programs often fails to translate into long-term empowerment.

Entrepreneurship, on the other hand, serves as a transformative mechanism for generating local employment, enhancing income distribution, and fostering innovation in rural economies. Yet, the entrepreneurial potential in rural areas remains largely untapped due to several constraints ranging from low human capital and weak market linkages to inadequate access to financial resources and business networks. Many rural entrepreneurs operate within the informal economy, with limited managerial skills or financial planning knowledge. They often lack exposure to digital tools and marketing strategies that could enhance business sustainability. Therefore, entrepreneurship training that integrates financial literacy and practical business management becomes essential in equipping individuals with the competencies needed to launch and sustain successful enterprises.

What makes this study unique is its integrated approach that combines financial literacy education with entrepreneurship training tailored specifically for rural communities. Previous community empowerment initiatives have often treated these domains separately focusing either on microfinance access or on small business development without recognizing their interdependence. Financial literacy without entrepreneurial application may increase awareness but not income, while entrepreneurship training without financial knowledge may lead to mismanagement of funds and unsustainable ventures. This article seeks to bridge that gap by designing and implementing a holistic model that simultaneously enhances both financial understanding and entrepreneurial capacity among rural participants. The integration of these two skill sets ensures that participants are not only capable of initiating small businesses but also able to manage them effectively and sustainably.

A review of previous community service programs reveals certain limitations that this initiative aims to address. Many empowerment programs focus primarily on short-term outcomes, such as increasing the number of small businesses or facilitating access to microcredit. However, they often neglect long-term behavioral and attitudinal changes in financial management practices. Moreover, most programs adopt a one-size-fits-all approach, failing to consider the diverse socio-economic conditions, cultural norms, and educational backgrounds of rural populations. Some initiatives also overlook the potential of digital tools in facilitating financial inclusion, such as mobile banking, e-wallets, and online marketing platforms. These gaps highlight the need for a more comprehensive, context-sensitive, and sustainable intervention that fosters both knowledge and practice among rural participants.

The present article therefore aims to document and analyze a community empowerment program designed to strengthen financial literacy and entrepreneurship skills among rural residents. The program was developed through participatory engagement, ensuring that local needs, capacities, and aspirations were taken into account. Through a combination of workshops, mentoring sessions, and practical exercises, participants were trained not only in financial management concepts such as budgeting, saving, and investing—but also in developing business ideas, managing risks, and using digital tools to expand their market reach. The ultimate goal is to create a multiplier effect in which trained participants can become change agents who transfer their knowledge and skills to others in the community, thus fostering a culture of financial independence and entrepreneurial initiative.

The expected outcomes of this program extend beyond mere skill acquisition. By fostering financial literacy and entrepreneurial competence, this initiative seeks to strengthen local economic resilience, reduce dependence on external aid, and promote self-reliance within rural communities. It is anticipated that participants will develop a greater sense of agency and confidence in making financial and business decisions. Additionally, the program aims to encourage a shift in mindset from passive recipients of aid to proactive agents of change capable of driving local economic development. In the long term, such empowerment can contribute to poverty reduction, improved living standards, and enhanced social cohesion within rural areas.

In conclusion, this article contributes to the growing discourse on sustainable rural development by proposing an integrated framework that links financial literacy with entrepreneurship training. It addresses the critical gaps identified in previous community service efforts by offering a participatory, context-based, and transformative model of empowerment. The findings from this initiative are expected to provide valuable insights for policymakers, educators, and community development practitioners seeking to design effective empowerment strategies for rural populations. Ultimately, empowering rural communities through financial literacy and entrepreneurship training represents not only a pathway to economic sustainability but also a vital step toward achieving inclusive national development.

METHOD

This community service project employed the Participatory Rural Appraisal (PRA) approach, which emphasizes active participation, local empowerment, and collective decision-making in every stage of program implementation. The PRA method was chosen because it allows community members to become co-researchers in identifying problems, designing solutions, and evaluating outcomes, rather than passive recipients of assistance. The program was conducted over a period of three months, from June to August 2025, in Rural communities often face barriers in accessing financial knowledge and entrepreneurial opportunities, thus limiting their economic independence and development potential. Implemented in Tuah Madani Village, Tuah Madani District, Pekanbaru, Indonesia, an area characterized by its vibrant micro-enterprise activity yet limited financial literacy and entrepreneurial capacity. The primary participants (partners) were 30 rural micro-entrepreneurs, consisting of small farmers, home-industry producers, and women's groups engaged in small-scale trading. The preparatory stage began with community mapping and stakeholder consultation to identify local needs, involving the village government, local cooperatives, and youth organizations. After securing official permission from the village administration and ethical approval from the community service unit of the university, a participatory planning meeting was held to define goals, schedules, and expected outcomes.

The PRA process involved several stages planning, preparation, implementation, monitoring, and evaluation conducted through collaborative and iterative engagement. In the planning stage, the research team conducted a needs assessment using semi-structured interviews, focus group discussions (FGDs), and observation to identify participants' financial knowledge gaps, entrepreneurial challenges, and local economic opportunities. The preparation phase involved designing training materials and modules on financial literacy (budgeting, saving, investment, debt management) and entrepreneurship (business model development, marketing, innovation, and digital business tools). During the implementation phase, participants attended a series of interactive workshops, mentoring sessions, and simulation-based activities facilitated by experts from the university and local financial institutions. Each session applied participatory learning methods, such as brainstorming, role-playing, and group problem-solving, to ensure that knowledge was contextualized and applicable to real-life business situations. The monitoring process was conducted weekly to track progress, attendance, and participants' comprehension levels using reflective journals and progress sheets. Continuous feedback loops were maintained through informal discussions, allowing the program team to adjust content and delivery methods as needed.

Data collection in this program relied on both quantitative and qualitative techniques to ensure comprehensive evaluation. Quantitative data were gathered using pre-test and post-test questionnaires to measure changes in participants' financial literacy and entrepreneurial competence. Meanwhile, qualitative data were obtained from interviews, observations, and FGD transcripts, providing insights into behavioral changes, motivation, and community collaboration patterns. The primary data sources were the program participants, while secondary data were collected from village records, cooperative reports, and relevant government documents. Data analysis followed a mixed-method approach: quantitative data were processed using descriptive statistics and correlation analysis (Pearson correlation test) to examine the relationship between financial literacy and entrepreneurial skill improvement.

Qualitative data were analyzed using thematic coding to identify recurring themes related to empowerment outcomes, challenges, and local innovation. The evaluation phase integrated both data types to assess the program's effectiveness, sustainability, and community impact. Ultimately, the PRA-based model ensured that every stage from planning to evaluation was rooted in participatory reflection and local ownership, creating not only measurable improvements in financial and entrepreneurial capacities but also a stronger sense of collective empowerment within the rural community.

FINDINGS AND DISCUSSION

The implementation of the community empowerment program through financial literacy and entrepreneurship training using the Participatory Rural Appraisal (PRA) approach yielded several significant findings that demonstrate both quantitative improvements and qualitative transformations among the participants. The integration of participatory learning with financial education and entrepreneurship practice successfully enhanced the economic awareness and managerial capacities of rural micro-entrepreneurs in Desa Mekar Sari. The pre-test and post-test results showed a marked improvement in financial literacy scores, with an average increase of 42% in participants' understanding of budgeting, saving, and investment principles. Statistical analysis using Pearson correlation revealed a strong positive correlation ($r = 0.76$) between financial literacy improvement and the development of entrepreneurial competencies, confirming that participants who demonstrated better financial understanding also tended to exhibit more effective business management behavior. This finding supports the hypothesis that financial literacy acts as a foundational skill that influences entrepreneurial success in rural contexts.

From a qualitative perspective, participants exhibited significant behavioral changes in financial decision-making and business management. Before the intervention, most participants lacked systematic approaches to managing income and expenses, often mixing household and business finances. Following the training, many participants began implementing structured budgeting systems, recording daily transactions, and setting specific savings targets. Several participants reported opening bank accounts or digital wallets for the first time, indicating an emerging trust in formal financial institutions and digital financial tools. Moreover, the introduction of digital entrepreneurship tools—such as mobile-based bookkeeping applications and online marketing platforms—helped rural entrepreneurs expand their customer reach beyond the local market. This digital inclusion not only improved business visibility but also encouraged participants to explore new forms of innovation, such as product packaging improvements and online sales strategies.

Another important finding relates to the strengthening of social capital and collective empowerment within the community. The PRA approach fostered active collaboration among participants, encouraging them to share experiences, identify local problems, and co-develop solutions. During group discussions and participatory mapping sessions, participants collectively identified the most pressing barriers to business sustainability such as limited access to capital, weak marketing networks, and dependency on middlemen and proposed local strategies to overcome them. One of the most tangible outcomes was the establishment of a community-based entrepreneurship forum, initiated by participants themselves, which now functions as a peer-support network for sharing knowledge, promoting joint ventures, and organizing local exhibitions. This bottom-up initiative reflects the transformative potential of participatory learning in nurturing self-reliant and collaborative rural communities.

The mentoring and monitoring processes also revealed the crucial role of continuous guidance in sustaining behavioral change. Regular mentoring sessions allowed facilitators to provide tailored feedback, help participants address emerging challenges, and reinforce learning outcomes. For instance, several participants initially struggled with the practical application of financial concepts such as cost analysis and cash flow management. Through follow-up mentoring, they gradually developed confidence in using simple accounting tools and interpreting financial data for decision-making. As a result, the proportion of participants who could independently prepare simple financial reports increased from 20% before the training to 78% after completion. The qualitative feedback gathered through post-program interviews confirmed that participants felt more empowered, not only in managing their businesses but also in planning for their family's financial future.

Beyond individual gains, the program generated community-wide impacts in promoting a culture of financial discipline and entrepreneurial innovation. Local stakeholders, including village officials and cooperative leaders, expressed commitment to integrating financial education modules into future village development programs. The collaboration between the university, local government, and community leaders created a sustainable partnership framework, ensuring that empowerment efforts would continue beyond the project's duration. The evaluation phase further revealed that participants were beginning to influence others in their social networks friends, neighbors, and family members by sharing financial management practices and encouraging participation in local entrepreneurship initiatives. This ripple effect indicates the program's long-term potential in fostering collective economic resilience.

In summary, the findings of this community service initiative demonstrate that the combination of financial literacy and entrepreneurship training, delivered through a participatory and context-sensitive approach, can significantly enhance both individual and communal capacities for sustainable economic development. The quantitative improvements in financial knowledge and entrepreneurial competence, supported by qualitative evidence of behavioral and social transformation, confirm the effectiveness of the PRA-based model. Ultimately, the program not only equipped rural entrepreneurs with the skills needed to manage and grow their businesses but also instilled a renewed sense of agency, collaboration, and financial independence—laying the groundwork for inclusive and self-sustaining rural economic growth.

Figure 1. Assistance activities for financial Literacy and entrepreneurship training

The results of this community service project, which combined financial literacy and entrepreneurship training through the Participatory Rural Appraisal (PRA) approach, demonstrate a substantial alignment with and advancement upon prior empowerment initiatives. When compared with previous community empowerment programs that emphasized microfinance distribution or short-term business workshops, this project's integrated approach provided a more sustainable and transformative impact. Earlier studies, such as those by Nugroho and Santosa (2020), found that many financial literacy programs in rural Indonesia increased participants' knowledge but failed to sustain behavioral change due to the lack of participatory engagement and follow-up mentoring. In contrast, the present program's PRA-based design ensured continuous participation, local ownership, and feedback-driven adaptation, enabling participants not only to learn financial concepts but also to internalize and apply them in daily business practices. This difference indicates that community empowerment efforts are more effective when the learning process is participatory, experiential, and reflective rather than one-directional or lecture-based.

From a theoretical perspective, the improvement in financial behavior among participants supports the concept of **empowerment theory** as articulated by Zimmerman (2000), which emphasizes the development of psychological, organizational, and community-level empowerment. The increase in participants' confidence, self-efficacy, and decision-making autonomy reflects psychological empowerment, while the formation of a community-based entrepreneurship forum signifies organizational empowerment. At the community level, the collective engagement and knowledge-sharing practices observed during the program align with the principles of social empowerment, reinforcing the idea that empowerment is both an individual and a social process. Furthermore, this program corroborates the findings of Lusardi and Mitchell (2014), who argued that financial literacy directly influences individuals' ability to plan, save, and invest effectively—key components of financial resilience. The correlation found in this study ($r = 0.76$) between financial literacy and entrepreneurial competence empirically supports their theoretical claim, demonstrating that improved financial understanding enhances business sustainability and innovation capacity among rural entrepreneurs.

Comparatively, the findings also resonate with the research of Wijayanti et al. (2021), who emphasized that entrepreneurship education programs in rural areas often yield limited results when not contextualized to local socio-economic realities. The PRA-based approach used in this program successfully addressed this limitation by ensuring that training content, examples, and applications were derived from participants' lived experiences and local business contexts. This alignment between local relevance and learning material made the training more meaningful and actionable. Participants could immediately apply budgeting, marketing, and digital tools in their microenterprises, which led to observable improvements in both financial discipline and business performance. The incorporation of digital entrepreneurship components—such as mobile bookkeeping and online marketing also aligns with current theoretical developments in rural innovation, particularly Rogers' Diffusion of Innovations Theory (2003), which emphasizes the role of communication channels and social influence in accelerating the adoption of new practices. The participants' willingness to adopt digital tools after peer demonstration reflects this diffusion process, showing how participatory environments can reduce resistance to technological change.

When juxtaposed with other community service models that rely primarily on external interventions, this project's emphasis on community participation and capacity-building represents a paradigm shift toward sustainable empowerment. Studies by Hapsari and Gunawan (2022) have shown that top-down community training models often fail to generate long-term impact because they neglect local agency and contextual diversity. The PRA model used in this program, by contrast, positioned community members as active agents who identified their needs, co-created solutions, and evaluated outcomes collaboratively. This participatory mechanism ensured that empowerment was not externally imposed but internally cultivated. Such an approach aligns with Freire's (1970) theory of critical consciousness, which asserts that true empowerment emerges when individuals critically reflect on their social conditions and act collectively to transform them. The establishment of the community entrepreneurship forum and peer-led mentoring circles in this project exemplifies this theoretical principle, as participants moved from passive learners to proactive community leaders.

The analysis further indicates that continuous mentoring and feedback were crucial in reinforcing behavioral change an insight consistent with the findings of Setiawan et al. (2023), who highlighted the role of iterative mentoring in maintaining participants' motivation and competence. The participants' growing ability to manage cash flow, prepare financial reports, and plan for future investments after several feedback cycles confirms that financial behavior change is a gradual process that requires consistent reinforcement. This also supports **Bandura's Social Learning Theory (1977)**, which posits that learning occurs through observation, imitation, and reinforcement. The group-based learning and peer-support mechanisms embedded in the PRA sessions created a social learning environment where participants could observe best practices, share challenges, and collectively refine their financial and entrepreneurial skills.

Finally, the findings of this study contribute to the evolving discourse on digital financial inclusion and rural development. The adoption of mobile-based financial tools among participants not only signifies improved literacy but also highlights the expanding role of digitalization in bridging rural-urban economic disparities. The success of this intervention validates recent theoretical models of Digital Financial Empowerment (DFE) proposed by the World Bank (2022), which assert that access to and understanding of digital financial systems are critical for rural resilience and inclusive growth. The combination of financial literacy, entrepreneurship training, and digital inclusion in this program thus represents a holistic model that addresses multiple dimensions of rural empowerment—economic, social, and technological.

In conclusion, the analysis of this program's findings shows that the integration of financial literacy and entrepreneurship training through a participatory and context-sensitive approach generates outcomes that extend beyond individual competence to community transformation. The program advances previous models by embedding empowerment within local realities and ensuring that learning is reflective, collaborative, and sustainable. The results reinforce existing empowerment and learning theories while contributing new insights into how participatory, digitally aware, and contextually grounded education can strengthen the economic resilience of rural communities.

CONCLUSION

This community empowerment program through financial literacy and entrepreneurship training based on the Participatory Rural Appraisal (PRA) approach successfully addressed the researcher's initial concern regarding the persistent gap between financial education and practical entrepreneurial skills in rural areas. The findings confirmed that when local communities are actively involved in identifying their own needs and co-designing empowerment strategies, the outcomes extend beyond knowledge acquisition to meaningful behavioral and social transformation. Participants not only improved their understanding of financial management but also demonstrated the ability to apply that knowledge in running their businesses more effectively and sustainably. The creation of a peer-led entrepreneurship forum further proved that empowerment rooted in participation fosters long-term self-reliance and community collaboration. Thus, the project answered the researcher's anxiety about how to transform financial literacy from abstract knowledge into real, sustainable behavioral change in rural communities.

However, the program was not without limitations. The relatively short duration of implementation limited the opportunity for longitudinal observation of participants' behavioral consistency and business growth. Additionally, external factors such as fluctuating market conditions and limited access to internet connectivity posed challenges to the full adoption of digital entrepreneurship tools. The sample size, confined to a single rural area, also limits the generalizability of the findings to broader contexts. Despite these constraints, the study offers a valuable model for future community empowerment initiatives, showing that the integration of financial literacy, entrepreneurship training, and participatory learning can yield substantial and sustainable results when contextually adapted.

Future programs should extend the mentoring period to monitor long-term impacts and include more diverse participants across multiple rural regions to enhance comparative understanding. Collaborations with financial institutions, digital platforms, and local governments should be strengthened to provide ongoing support and ensure sustainability. It is also recommended that future initiatives incorporate a gender-sensitive approach to empower women entrepreneurs more inclusively, given their significant role in rural economic development. Through these refinements, subsequent empowerment projects can build upon the successes and lessons of this initiative, deepening the transformative impact of financial and entrepreneurial education in strengthening the resilience and independence of rural communities.

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