

YOUTH ENTREPRENEURSHIP AND RURAL ECONOMIC TRANSFORMATION IN DEVELOPING COUNTRIES

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Abstract

Youth entrepreneurship is increasingly recognized as a strategic instrument for driving rural economic transformation in developing countries. Young people's involvement in entrepreneurial activities not only contributes to job creation and increased community incomes but also encourages innovation, economic diversification, and strengthened rural competitiveness. This study aims to analyze and synthesize previous research findings on the role of youth entrepreneurship in rural economic transformation in developing countries through a systematic literature review approach. The research method employed a literature review, examining various relevant scientific articles from reputable international and national journals. The study's results indicate that youth entrepreneurship significantly contributes to increasing local economic productivity, reducing unemployment and youth labor migration to urban areas, and accelerating the adoption of technology and innovation in the rural sector. Furthermore, the success of rural economic transformation is strongly influenced by government policy support, access to entrepreneurship education, strengthening the business ecosystem, and utilizing digital technology. This study confirms that youth entrepreneurship development can be an effective development strategy for creating inclusive and sustainable rural economic growth in developing countries.

Keywords: Youth Entrepreneurship, Rural Economic Transformation, Developing Countries, Sustainable Development, Innovation

INTRODUCTION

Rural economic transformation is a strategic issue on the development agenda of developing countries (Tabares et al., 2022). Despite the rural sector's crucial role as a provider of natural resources, labor, and food production, many rural areas still face various structural challenges such as relatively high poverty rates, limited access to markets, low business productivity, and limited job opportunities capable of absorbing the productive workforce. These conditions often drive rapid urbanization, especially among younger generations seeking better economic opportunities in urban areas. As a result, many rural areas

experience a loss of productive human resources that actually have significant potential to drive local economic development (Geza et al., 2022a). In this context, youth entrepreneurship development is an approach that is gaining increasing attention as a strategy for creating inclusive and sustainable economic growth in rural areas.

Youth entrepreneurship is seen as a driving force capable of creating new economic opportunities through productive business development, innovation, and the use of technology (Chen & Barcus, 2024). The younger generation is characterized by being relatively more adaptable to change, more open to innovation, and a greater ability to adopt digital technology than previous generations. These characteristics make youth agents of change with the potential to accelerate the process of rural economic transformation. Through entrepreneurial activities, youth are not only able to create jobs for themselves but also contribute to creating employment opportunities for the surrounding community (Bouichou et al., 2024). Thus, youth entrepreneurship has a broader impact on improving community welfare, reducing unemployment rates, and strengthening local economic structures.

Developments in information and communication technology in recent decades have also opened up new opportunities for rural youth to develop various types of businesses that were previously difficult to reach. Digitalization enables entrepreneurs in rural areas to access broader markets, obtain business information quickly, and build business networks without being limited by geographic constraints. The presence of digital platforms, social media, and various business applications has created a more conducive environment for the growth of new businesses driven by the younger generation. Furthermore, digital transformation has also encouraged the emergence of innovative business models that can increase the added value of local products and expand access to consumers (Sternberg, 2022). Therefore, youth entrepreneurship serves not only as an economic instrument but also as a means of modernizing the rural sector, which has historically been associated with traditional economic activities.

Research (Zang et al., 2023) shows that youth entrepreneurship significantly contributes to rural economic development. Entrepreneurial activities can increase agricultural productivity through the application of new technologies, develop businesses based on local resources, and create economic diversification that reduces community dependence on a single sector. This economic diversification is crucial for increasing rural economic resilience to various risks, including climate change, commodity price

fluctuations, and global economic uncertainty. Furthermore, youth involvement in business activities can also strengthen regional innovation capacity through the development of more effective products, services, and business processes. Thus, youth entrepreneurship acts as a catalyst capable of accelerating economic and social change in rural areas.

Despite its enormous potential, youth entrepreneurship development in developing countries still faces various challenges. One major obstacle is limited access to the financing needed to start and grow businesses. Many young people struggle to obtain capital due to a lack of collateral, low financial literacy, and limited access to formal financial institutions. Furthermore, limited managerial skills, limited business experience, and the low quality of entrepreneurship education also hinder the success of youth-led businesses. These challenges are further compounded by inadequate rural infrastructure, such as access to transportation, internet access, and other business support facilities.

On the other hand, government policies and institutional support play a crucial role in creating a conducive entrepreneurial ecosystem for the younger generation. Various youth empowerment programs, entrepreneurship training, business incubation programs, and the provision of access to financing have been implemented in many developing countries to encourage the growth of new businesses. However, the effectiveness of these programs has shown mixed results. Several studies have found that the success of youth entrepreneurship is determined not only by the availability of support programs, but also by the quality of policy implementation, the involvement of various stakeholders, and the program's suitability to local needs (Rusu et al., 2022). Therefore, a comprehensive understanding of the factors influencing youth entrepreneurship success is crucial for formulating more effective rural economic development strategies.

The growing academic attention to the relationship between youth entrepreneurship and rural economic transformation has resulted in numerous studies with diverse perspectives, methods, and findings. Some studies emphasize the role of innovation and technology in enhancing youth entrepreneurial capacity, while others focus on the social, institutional, and policy aspects that influence entrepreneurship development in rural areas. This diversity of research findings indicates that rural economic transformation is a multidimensional phenomenon involving the interaction of various economic, social, technological, and institutional factors. However, there is still a need to integrate these findings to generate a more comprehensive understanding of

the contribution of youth entrepreneurship to rural development in developing countries.

Based on these conditions, this study was conducted using a literature review method to identify, analyze, and synthesize various research findings that address the relationship between youth entrepreneurship and rural economic transformation in developing countries. This study aims to map research developments, identify factors that support and hinder the success of youth entrepreneurship, and explain its implications for inclusive and sustainable rural economic development. The research findings are expected to provide theoretical contributions to enrich the literature on entrepreneurship and rural development, while also providing practical recommendations for governments, educational institutions, development organizations, and other stakeholders in designing policies that can optimize the role of the younger generation as the main drivers of rural economic transformation in developing countries.

RESEARCH METHOD

This research uses a literature review approach to gain a comprehensive understanding of the role of youth entrepreneurship in rural economic transformation in developing countries. This approach was chosen because it allows researchers to identify, evaluate, and synthesize various previously published research findings, thus generating a broader and more in-depth conceptual picture of the topic under study. The research data sources come from scientific articles published in reputable national and international journals, conference proceedings, and other academic publications relevant to the themes of youth entrepreneurship, rural economic transformation, rural development, entrepreneurship development, and developing countries.

Initially, the articles were selected based on their topic suitability, publication quality, and contribution to the research discussion. Next, the selected literature was analyzed in depth to identify key themes, patterns of relationships between variables, and emerging trends in various developing country contexts. The results of the analysis were then synthesized to build an integrated understanding of the contribution of youth entrepreneurship to job creation, increased community income, local economic innovation, and accelerated rural economic transformation. Through this approach, this research is expected to be able to produce systematic, objective and scientific evidence-based conclusions so that it can contribute to the development of theory and the formulation of sustainable rural economic development policies.

RESULT AND DISCUSSION

The Contribution of Youth Entrepreneurship to Increasing Productivity and Rural Economic Growth

Youth entrepreneurship is a strategic factor in driving increased productivity and rural economic growth amidst increasingly dynamic social, economic, and technological changes (Bairwa et al., n.d.). As a productive age group, youth offer significant potential for creating innovation, expanding employment opportunities, and developing various economic activities that can improve the welfare of rural communities. In the context of rural development, youth entrepreneurship is viewed not only as a means of generating individual income but also as an instrument of economic transformation capable of sustainably driving productive sectors. Through their ability to adapt to technological developments, their courage to take risks, and their creativity in developing businesses, youth have the capacity to become agents of change, strengthening the competitiveness of the rural economy.

One of the key contributions of youth entrepreneurship to rural economic productivity is their ability to create added value from various local resources (Geza et al., 2022b). Many rural areas possess significant economic potential through agriculture, fisheries, livestock, crafts, and tourism based on local wisdom. However, this potential is often underutilized due to limited innovation, market access, and business management capacity. The emergence of young entrepreneurs can overcome these obstacles through the development of more innovative products, the application of more efficient production technologies, and broader marketing strategies (Das, 2022). By utilizing local resources productively, youth can improve the quality and quantity of production, thereby generating higher economic value than before.

In addition to increasing the productivity of local resources, youth entrepreneurship also contributes to the creation of new jobs in rural areas. Unemployment and limited job opportunities are often driving youth migration from rural to urban areas. This phenomenon leads to a reduction in the productive workforce that can support rural economic development (Ngadi et al., 2023). Through entrepreneurial activities, youth not only create jobs for themselves but also create job opportunities for the surrounding community. The growth of micro, small, and medium enterprises managed by youth can absorb the local workforce, increase household income, and reduce unemployment rates. A further impact of this process is increased purchasing power, which then drives economic growth at the local level.

Another contribution is seen in the accelerated adoption of technology and innovation in rural economic activities. Younger generations generally have higher levels of digital literacy than other age groups, making it easier for them to adopt information technology in running their businesses. The use of social media, e-commerce platforms, digital payment systems, and various business management applications has opened up opportunities for rural businesses to reach a wider market. Digital technology enables rural products to be marketed not only locally but also nationally and even internationally. This minimizes the geographical limitations that have historically hindered rural economic development. Technology adoption also improves operational efficiency, accelerates distribution processes, and helps businesses understand consumer needs more accurately (Ngadi et al., 2023).

Youth entrepreneurship also plays a role in encouraging rural economic diversification. For years, most rural communities have relied on primary sectors such as agriculture and fisheries as their primary source of income. This heavy reliance on a single sector often leads to economic vulnerability when price fluctuations, climate change, or market disruptions occur. Through entrepreneurship, youth are able to develop new and more diverse economic sectors, such as the creative industry, digital-based businesses, agro-tourism, agricultural processing, and technology-based services. This economic diversification creates alternative sources of income that can increase the economic resilience of rural communities. The more diverse economic activities that develop, the greater the opportunities for sustainable economic growth in rural areas.

From a regional development perspective, youth entrepreneurship contributes to strengthening local economic ecosystems through the formation of business networks and collaboration between economic actors. Young entrepreneurs often tend to build partnerships with farmers, community groups, cooperatives, and educational institutions to develop their businesses. This collaboration creates a stronger value chain and increases efficiency in production and distribution processes. Furthermore, the presence of new businesses developing in rural areas can attract investment, increase trade activity, and expand opportunities for economic infrastructure development. With the development of a healthy business ecosystem, villages have a greater capacity to create inclusive and sustainable economic growth.

The role of youth entrepreneurship in rural economic growth can also be seen through the improvement of human resource quality. Entrepreneurial activities encourage youth to continue learning, develop managerial skills,

enhance communication skills, and strengthen innovation capacity. This knowledge and skills not only benefit individual entrepreneurs but also contribute to the dissemination of knowledge to the surrounding community. As more youth engage in productive and innovative economic activities, the quality of human capital in rural areas will improve. Improving the quality of human resources ultimately becomes a crucial foundation for long-term economic growth by increasing labor productivity and regional competitiveness (Ngadi et al., 2023).

The Role of Youth Entrepreneurship in Reducing Unemployment and Preventing Youth Migration to Urban Areas

Youth entrepreneurship plays a strategic role in reducing unemployment and preventing increased migration of young workers from rural to urban areas. The urbanization phenomenon occurring in many developing countries, including Indonesia, is generally driven by limited job opportunities and poor economic prospects in rural areas. This situation encourages young people to seek work in cities in the hope of earning higher incomes and better career opportunities. However, the massive migration of young workers often gives rise to various problems, such as reduced productivity in the rural economic sector, increasing regional development inequality, and increasing social and economic pressures in urban areas (Kebede, 2023). In this context, youth entrepreneurship is one solution that can create new jobs while strengthening the attractiveness of the local economy, giving young people a strong reason to stay and work in their hometowns.

Youth entrepreneurship contributes to unemployment reduction by creating productive businesses that absorb the local workforce. Unlike development approaches that focus solely on formal job creation, entrepreneurship encourages individuals to become job creators rather than mere job seekers. When young people establish businesses in modern agriculture, agro-industry, digital commerce, the creative economy, or technology-based services, they not only create income for themselves but also create job opportunities for the surrounding community. The more businesses that grow and develop, the greater the region's capacity to absorb a productive workforce (Begho & Daubry, 2025). Thus, unemployment rates can be reduced by increasing economic activity stemming from the initiative and creativity of the younger generation.

In addition to creating jobs, youth entrepreneurship also plays a role in improving the quality of jobs available in rural areas. One of the main reasons

for youth labor migration to urban areas is the perception that rural jobs have low productivity and low income. Through entrepreneurship, young people are able to develop more innovative and high-value business models, generating greater profits than traditional economic activities (Varsha Pramod & Ramachandran, 2023). The use of digital technology, social media marketing, e-commerce, and the use of more efficient production technologies enable rural businesses to reach a wider market without having to relocate to cities. This situation creates competitive economic opportunities and provides hope for the younger generation to achieve a decent living in their local areas (Chukwuka, n.d.).

The role of youth entrepreneurship in preventing labor migration is also evident in its ability to build a dynamic local economic ecosystem. The presence of young entrepreneurs often encourages the emergence of various supporting economic activities, such as the provision of raw materials, distribution services, financial services, and the development of marketing networks. The multiplier effect generated by these business activities creates a stronger economic cycle at the local level. When business and employment opportunities become more diverse, communities are no longer dependent on specific economic sectors that are vulnerable to market fluctuations. This economic diversification increases rural economic resilience while reducing the urge to migrate caused by limited job opportunities (Vutsova et al., 2023).

Furthermore, youth entrepreneurship contributes to a shift in the mindset of the younger generation regarding the potential of rural development. Cities have often been viewed as centers of economic progress, education, and technology, making them the primary destination for job seekers (Tulibaleka & Katunze, 2024). However, the growth of various innovative youth-led businesses demonstrates that opportunities for success are not limited to urban areas. The success of young entrepreneurs in building businesses based on local potential serves as a concrete example of the resource potential of villages that can be developed productively and sustainably. This shift in perception is important because it can foster optimism, self-confidence, and motivate the younger generation to develop their hometowns rather than abandon them.

Youth entrepreneurship also plays a role in increasing the utilization of local resources that have previously been underutilized. Many rural areas possess significant potential in agriculture, fisheries, animal husbandry, tourism, and creative industries based on local culture. Through innovation and creativity, young people can transform these resources into products and

services with higher economic value. Developing businesses based on local potential not only increases community income but also strengthens the region's economic identity. When local resources provide tangible economic benefits, the attraction of migration to cities will be reduced because people will find equal or even better opportunities in their own neighborhoods.

However, the effectiveness of youth entrepreneurship in reducing unemployment and preventing youth labor migration is greatly influenced by the support of various stakeholders. Access to entrepreneurship education, skills training, capital, technology, and marketing networks are critical factors in determining the success of any business. The government, educational institutions, the private sector, and local communities need to collaborate to create a conducive ecosystem for the growth of young entrepreneurs. Such support will not only help increase business success rates but also strengthen the long-term sustainability of the rural economy.

Policy Support, Entrepreneurship Ecosystems, and Digital Transformation in Encouraging Sustainable Rural Innovation

Sustainable rural development increasingly demands an approach that focuses not only on increasing economic production but also on strengthening community capacity to create innovations that can sustainably address local challenges (Stojanova et al., 2022). In this context, policy support, entrepreneurial ecosystem development, and digital transformation are three strategic elements that interact to encourage rural innovation. These three factors serve as the foundation that enables rural communities, particularly the younger generation and micro, small, and medium enterprises (MSMEs), to increase competitiveness, expand market access, and create sustainable economic added value. Rural innovation is not only related to the development of new products or services, but also encompasses innovations in production processes, business models, business governance, and the use of technology that can increase community efficiency and productivity (Muhamad & Kusuma, 2024).

Government policy support is a crucial factor in creating a conducive environment for the growth of innovation in rural areas. Policies that support entrepreneurship development can provide incentives for communities to develop productive businesses and encourage the emergence of various local economic initiatives. Community empowerment programs, strengthening MSMEs, providing access to capital, skills training, and developing basic infrastructure are all forms of policy intervention that contribute to increasing

the innovative capacity of rural communities. The presence of regulations that support investment, facilitate business licensing, and access to productive resources are also factors that accelerate the growth of new businesses in rural areas. When government policies are designed inclusively and oriented towards local needs, rural communities have a greater opportunity to develop innovative solutions that align with the potential and characteristics of their region (Olalekan, 2024).

Furthermore, policy effectiveness is determined not only by the existence of government-designed programs, but also by the quality of their implementation and coordination among stakeholders. Collaboration between the central government, local governments, educational institutions, the private sector, and civil society organizations is essential to ensure that various entrepreneurship development programs optimally reach the community. This synergy allows for more comprehensive support, from human resource capacity building to access to markets and technology (Wang & Ye, 2024). Thus, integrated policies are able to create an environment that supports the emergence of sustainable innovation that not only improves community welfare, but also strengthens rural economic resilience in facing increasingly dynamic changes in the business environment.

In addition to policy support, the existence of a strong entrepreneurial ecosystem is a determining factor in driving rural innovation. An entrepreneurial ecosystem refers to the network of actors, institutions, resources, and mechanisms that interact to support entrepreneurial activity. In the rural context, this ecosystem includes business actors, financial institutions, local governments, universities, business communities, and supporting institutions that play a role in providing support for business development. A healthy ecosystem can create an environment that encourages collaboration, knowledge exchange, and the development of creativity, allowing entrepreneurs to more easily identify business opportunities and develop innovations relevant to market needs.

The existence of social networks and entrepreneurial communities in rural areas also plays a crucial role in accelerating the diffusion of innovation. Through intensive interaction between entrepreneurs, information about new technologies, marketing strategies, and market opportunities can spread more quickly. This allows communities to learn from the experiences of other entrepreneurs and adopt best practices proven effective in increasing business productivity. Furthermore, a strong entrepreneurial ecosystem can increase entrepreneurs' confidence in taking risks and conducting business experiments

that have the potential to generate new innovations. The greater the level of collaboration and connectivity between actors in the ecosystem, the greater the opportunity for innovations that can have a significant economic and social impact on rural communities.

Digital transformation is becoming an increasingly important factor in strengthening rural innovation in the knowledge-based economy. Developments in information and communication technology have opened up new opportunities for rural communities to access information, expand business networks, and improve operational efficiency. The use of digital technology enables rural businesses to market their products more widely through online platforms, reach consumers beyond their local area, and increase their competitiveness in a more competitive market. Furthermore, digital technology also supports improvements in business management through the use of financial applications, inventory management systems, and various platforms that facilitate data-driven decision-making (Yin et al., 2022).

Digital transformation not only impacts the economy but also contributes to strengthening the community's innovation capacity. Access to broader information sources allows rural communities to gain new knowledge about production technologies, marketing strategies, and business development opportunities. Through digital platforms, businesses can participate in online training, build professional networks, and collaborate with various parties without being limited by geography. This creates greater opportunities for rural communities to develop innovations that adapt to changing market needs and technological developments. Thus, digital transformation is a crucial instrument in accelerating the process of rural economic modernization while increasing the inclusiveness of development.

The synergy between policy support, the entrepreneurial ecosystem, and digital transformation is ultimately key to realizing sustainable rural innovation. When the government provides supportive regulations and facilities, the entrepreneurial ecosystem strengthens the capacity of business actors through collaboration and learning, while digital technology expands access to information and markets, the opportunities for sustainable innovation will increase. The integration of these three elements not only generates more inclusive economic growth but also strengthens the ability of rural communities to face future development challenges. Therefore, a sustainability-oriented rural development strategy needs to position policy support, strengthening the entrepreneurial ecosystem, and digital transformation as key pillars in encouraging innovation and sustainably improving community welfare.

CONCLUSION

Based on the literature review, youth entrepreneurship plays a crucial role in driving rural economic transformation in developing countries. The involvement of young people in entrepreneurial activities has been proven to increase local economic productivity through the creation of new businesses, the development of value-added products based on local resources, and the expansion of employment opportunities for rural communities. Furthermore, youth entrepreneurship contributes to reducing unemployment rates and curbing the migration of young workers to urban areas by providing productive and sustainable livelihood alternatives in their home regions. This role makes youth strategic actors in strengthening rural economic structures while improving community welfare in a more inclusive manner.

This study also shows that the success of rural economic transformation through youth entrepreneurship is determined not only by the capacity of individual entrepreneurs but also by a supportive environment. Supportive government policies, access to entrepreneurship education and training, a strengthened business ecosystem, and the use of digital technology are critical factors that can accelerate business growth and encourage innovation in rural areas. Therefore, youth entrepreneurship development needs to be an integral part of rural development strategies in developing countries. Through synergy between youth, government, educational institutions, the private sector, and the community, entrepreneurship can become an effective instrument in realizing competitive, inclusive, and sustainable rural economic growth.

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