# A Systematic Review of the Growth Patterns, Challenges and Potential for Development of Micro, Small and Medium-Sized Enterprises (MSEMs) in Rural Indigenous Communities

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#### Abstract

This study employed the systematic review methodology to examine growth patterns challenges, and potential for development of Small and Medium-Sized Enterprises (MSEMs) operating in rural indigenous communities. From a theoretical perspective Resource-Based View, Institutional theories, were examined to garner a nuanced understanding of the extent to which internal resources, and external institutions influence the performance of MSMEs. The findings reveal that MSMEs are important catalyst of economic growth for indigenous communities because they provide jobs, generate income for future development, and preserve the cultural identities and business practices. Irrespective of their importance, however, MSMEs are limited in their capacities to expand because of institutional barriers such as restrictive regulatory frameworks, limited access to funding, and poor infrastructure. These challenges can only be overcome with interventions that focus on building capacity, removing regulatory hurdles, and the implementation of policies to support their development. Overall, this study highlights the need for culturally sensitive, evidenced based interventions to address the challenges MSMEs grapple with on a daily basis.

**Keywords:** Challenges, Development Potential, Growth Patterns, Indigenous Communities, Small and Medium-Sized Enterprises.

#### Introduction

Medium-Sized Micro, Small, and Enterprises (MSMEs) are important to the development of indigenous communities [15]. They provide jobs and contribute to community development and sustainability by leveraging local knowledge, and resources to drive their business activities [2]. Notwithstanding their vital contributions, (MSMEs) are constrained by several challenges that impede their ability to expand into larger markets, including the lack of or unfavorable government regulatory policies, inadequate infrastructure, and access to funding [3, 10, 18]. Examining the growth challenges patterns, and potential for development of MSEMs, operating in rural indigenous communities provides the

foundation for important interventions and policy review that support the growth and sustainability of these entities.

#### **Literature Review**

This literature review is grounded in Institutional and Resource-Based View (RBV) theories. These theories facilitate understanding the dynamics of micro, small, and medium-sized enterprises (MSMEs) in Indigenous villages, particularly the challenges and opportunities they face.

## **Institutional Theory**

According [26], Institutional Theory is premised on the understanding that:

Firms are not autonomous. They are embedded in a specific social and institutional

context or institutional framework that both constrains and enables strategy. When formulating and implementing its business strategies, a firm needs to consider its external environment, including the broader institutional influences (p. 648).

In the context of indigenous communities, where cultural heritage and traditional practices are fundamental, it is crucial to develop institutional frameworks that align with and adhere to local values and traditions. This cultural sensitivity is essential for ensuring the sustainability and success of MSMEs [14, 4, 20].

Government policies, regulatory frameworks and support programs impact the performance of MSMEs. However, these support systems frequently fail to address local entrepreneurs' unique demands, specifically those in rural and Indigenous communities [3]. To address these hurdles, [7] propose hybrid regulatory frameworks that promote simplified registration processes and culturally tailored training programs to improve business practices, access to finance, and other benefits for indigenous-owned MSMEs. This strategy also provides the impetus for unregistered businesses to formalize their operations to fall in line with legal business registration and other regulatory requirements without being constrained by bureaucratic processes. In support of this argument, [8] propose that business policies must be adaptive to the differences in regional dynamics and cultural nuances if they are to have meaningful impacts on MSMEs. In the context of Guyanese MSMEs, this could include incorporating indigenous knowledge systems into policy frameworks to advance eco-tourism and sustainable farming practices.

#### Resource-Based View (RBV)

The Resource-Based View (RBV) posits that business organizations can leverage their internal capabilities and capacities to gain sustainable competitive advantage in the markets in which they operate. For MSMEs in rural regions, capabilities and capacities include accessing finance, internal and external infrastructure, human resources capacity and advantage of emerging taking conditions [25]. Therefore, the framework is a viable strategic tool which they can use to evaluate their capabilities and develop strategies to improve how they organize to maximize their productivity [25]. This confirms that RBV is a theoretical framework with practical applications for businesses. Notwithstanding the value of RBV as a useful strategic tool, MSEMs operating in indigenous communities face significant challenges, specifically regarding access to financing. This is due to rigorous loan criteria, lack of sufficient collateral, and significantly high interest rates impacting their ability to grow, provide jobs, innovate, and compete effectively [2]. One solution to this problem could be government initiatives that make available to MSEMs loans with flexible payment terms and microfinance programs. These forms of support provide the impetus for owners to take advantage of growth opportunities and mitigating these challenges. For instance, programs such as the Guyana Micro and Small Enterprise Development Project have illustrated the capacity of focused financial interventions to improve MSME sustainability [5].

In addition to limited access to finance, inadequate infrastructure, including unreliable electricity and restricted internet and network access, are significant challenges that, in many instances, hinder the development and growth of MSMEs. According to [27], investments in the development of infrastructure, including internet infrastructure, roads, and bridges, are likely to reduce the cost and open market access for MSMEs operating in rural areas. Equally, a focus on human resource development through capacity-building initiatives, including access to vocational programs, provides skills pools from which the owners of MSMEs can draw to enhance their labour capacities [9].

The Resource-Based View also emphasizes innovative practices as a source of sustainable competitive advantage. According to [21], small businesses often exhibit greater agility than their larger counterparts.

This flexibility allows them to experiment with embracing new innovative ideas and adapting to changing market dynamics. A study conducted by [6] highlights the extent to which technology enhances the competitive posture of MSMEs. Technological adaptations of practices such as leveraging e-commerce and mobile banking empower business owners to overcome the challenges posed in accessing finance and markets. However, the extension of these ideas relies on sound government policies that are pro-business, specifically towards the development and sustainability of MSMEs [2].

Overall, the combination of Institutional and Resource-Based View (RVB) theories provide a solid strategic framework, in Theory, and Practice, for examining the impact of external institutions and internal competencies in determining the performance of MSMEs. Institutional Theory focuses on bridging policies and support systems with the socioeconomic and cultural context in which MSMEs operate. At the same time, the resource-based view provides the framework for leveraging internal resources to enhance competitiveness [7].

## Methodology

This study employed the systematic review methodology. According to [9], the systematic review methodology is a rigorous data collection and analysis approach synthesizing existing studies on a specific phenomenon. More specifically, in this study, the approach focused on reviewing and drawing pertinent secondary published peer-reviewed data related to the growth patterns, challenges, and development potential of (MSMEs) operating in rural Indigenous communities. The process adhered to Preferred Reporting Items for Systematic Reviews and Meta-Analyses

(PRISMA) guidelines. Adhering to the PRISMA guidelines guarantees transparency in the data collection and analysis process and reproducibility of the results [9].

The review included a rigorous search strategy, well-defined inclusion and exclusion criteria, data extraction, and quality assessment [12].

According to [9] one limitation of using systematic review is that studies with more positive outcomes are often weighted heavily for publication. Equally, the fact that ten studies excluded articles not published in English limits the scope of the finding, which could have been more extensive and comprehensive had perspectives from those studies considered. This is referred to as publication bias [9]. Irrespective of this limitation, the systematic review proved to be a rigorous methodology for this study.

# Search Strategy

A rigorous search strategy was employed to ensure that the studies included in this research were peer-reviewed, comprehensive and relevant. The search extended across multiple academic databases, including Google Scholar, EBSCOhost, JSTOR, ProQuest, and other sources of authentic literature published between 2014-2024. The search terms that were used included:

- 1. "MSMEs" OR "micro, small and medium enterprises" OR "small businesses".
- "Indigenous communities" OR "rural Indigenous entrepreneurship" OR "Indigenous economic development".
- 3. "Growth patterns" OR "business expansion" OR "enterprise development".
- 4. "challenges" OR "barriers to growth" OR "institutional constraints".
- 5. "Potential" OR "economic opportunities" OR "innovation in Indigenous enterprises".
- 6. Boolean operators (AND, OR) and wildcard symbols were applied where appropriate to refine the search results.

#### **Inclusion and Exclusion Criteria**

To be included in this research, the studies that were selected had to meet the following criteria:

- 1. Published between 2014-2024.
- 2. Peer-reviewed and published in reputable journals and academic databases.
- 3. Published books, book chapters and policy papers.
- 4. Focused on MSMEs operating in rural Indigenous communities worldwide.
- Focus on examining business growth, challenges and opportunities faced by businesses operating in indigenous communities.
- 6. Published in English only.

#### **Exclusion Criteria**

Any study that did not meet the inclusion criteria was excluded. This includes studies that did not focus specifically on medium—or small-scale businesses operating in indigenous communities.

#### The Screening and Selection Process

The process employed to screen and select the studies from which data was extracted included reviewing their titles and abstracts. This process ensured that the selected articles aligned with the inclusion criteria. Studies that did not meet these criteria were excluded. Second, a full-text comprehensive review was conducted on all studies aligned with the inclusion criteria. Following the full-text review process, key data were extracted for presentation and discussion. The data was extracted and analyzed using the thematic approach, and the findings were categorized into themes. Since the findings are mainly qualitative insights, these were synthesized to identify patterns [9].

Complementing the Systematic Review was a bibliometric analysis. The bibliographic analysis was necessary since it provides a more in depth understanding of the publication trends, authorship, frequency of words and phrased used in similar and matching empirical studies related to the operation of MSMEs in rural Indigenous communities. The studies were drawn from peer reviewed and reputable academic journals and databases such as Google Scholar, ResearchGate, Emerald Insights, and EbscoHost. Excel was used to visualize the thematic occurrence of words, phrases documented across various studies and represented by a Key Word Co-Concurrence Network Map.

#### **Results**

Through the rigorous systematic review process, pertinent data was extracted from peer-reviewed studies in line with the inclusion and exclusion criteria. The data extracted from these studies are presented in three themes: growth patterns, challenges, and potential for development.

# Theme 1: Growth Patterns of MSMEs in Ingenious Regions

The findings related to reported growth patterns of MSMEs operating in rural Indigenous communities point to the key influences of cultural, geographic, and economic factors on growth trends across communities. Researchers [10], in a study that examined the sectoral distribution of MSMEs, found that most of them are clustered in agricultural regions, focusing on sectors such as small-sized manufacturing and handicrafts. Similarly, [11] found from a study on MSMEs across Latin America that 70% of these entities were engaged in production that enhance the agriculture value chain and the economy, such as cocoa beans and coffee.

Another significant finding related to the observable growth patterns of MSMEs is the employment they generate. Researchers [1] reported that in rural areas in Sub-Saharan Africa, MSMEs account for over 60% of nonfarm employment, particularly closing the unemployment gap and important sources of income generation for women.

However, despite these positive contributions, [13] point out that revenue generation is low due to low productivity levels because of challenges they face regarding access to larger markets. The study [13] reports that "only 30% of rural MSMEs achieved annual revenue growth exceeding 5%" (p. 20).

# Theme 2: Challenges Related to MSMEs in Ingenious Regions

As pointed out earlier, MSMEs operating in rural Indigenous regions must often navigate several challenges to survive [13, 17, 22]. Some findings highlight limited access to finance due to high interest rates on borrowing, insufficient collateral, and lack of alternative funding sources such as government business loans and grants. In a study of MSMEs in Nigeria, [17], found that "less than 15% of rural MSMEs had access to bank loans" (p. 96).

Another challenge for rural MSMEs relates to what [10] describe as infrastructure deficits. Infrastructure deficits, such as poor roads, unrealizable electricity supply, and poor internet connections, impede business operations. Equally, in a study of MSMEs in India, [10], reported that "80% of rural MSMEs faced disruptions due to unreliable power supply" (p. 152).

Other studies, highlight cultural norms and gender bias that pervades communities, particularly regarding women as business owners. For example, [11] reports that "in indigenous communities of Guatemala, women-owned MSMEs accounted for only 25% of total enterprises, largely due to patriarchal structures" (p. 156). Similarly, [19] found that "weak institutional support and inconsistent policies further exacerbate challenges. A review of government programs in Mexico revealed that less than 10% of rural **MSMEs** benefited from state-sponsored initiatives" (p. 252).

# Theme 3: Potential for Development of MSMEs in Rural Indigenous Communities

Despite the challenges, however, several studies point to MSMEs development potentials, specifically about capacity building, adaptation of technology, government policies that support their growth and sustainability, and models for driving community development [16, 18, 23, 24]. The findings related to these areas were positive. Regarding capacity building, [16] found that the owners of MSMEs who received business training increased their revenues by 25% within a year. While the study focused on one country, this result can be extrapolated to highlight the development potential of MSMEs when their owners are exposed to training programs that provide the knowledge and skills necessary to strengthen their business practices.

Studies have also pointed to how MSMEs operating in indigenous regions can benefit from adopting mobile banking and e-commerce technology to enhance their operations. Specifically, they have access to markets outside of their spare time. Research [18] found that in Peru, "the adoption of mobile payment systems led to a 40% increase in sales for rural artisans" (326). Also, it was found that the role of government is a crucial factor in promoting a conducive environment for MSMEs to thrive. Similarly, [23] reports that "a policy initiative in Indonesia provided subsidies and tax breaks to rural MSMEs, resulting in a 15% rise in registered businesses" (p. 348). And [24] highlight the outcomes that ensue when MSMEs work together towards mutually beneficial achievements for their development. Based on a study conducted in Indonesia, the authors report 50% of profitability from community-based enterprises.

#### Theme 4: Bibliographic Analysis

The examination of the available literature on MSMEs in rural Indigenous areas employing bibliometric analysis showed some key trends. To start with, the number of publications in this field steadily increased from 2018 to 2022, with the most studies published between 2020 and 2022. This demonstrates high levels of interest in this topic, as researchers are interested in uncovering the interconnections between the economic growth of indigenous communities and the prevalence of MSMEs.

A review of the frequency of publication in the field found that most of the studies were so distributed among many researchers, with no one author showing prevalence in the field. This shows that this area of research is multidimensional, and attracts attention at the global level, leading to publication of studies in a range of multi-disciplinary peer reviewed

academic journals such as Journal of Entrepreneurship, Development African Journal of Business Management, Latin American Policy, South Asian Journal of Business Studies, Journal of Rural and Community Development, the Journal of Rural Development, and others which can be found in the reference section of this study. An examination of studies published in these journals using a Keyword, Co-occurrence Network Map delineated in figure 1, show strong thematic links related to mapping words and phrases such as "rural development," "entrepreneurship," finance," "access to "infrastructure," "Indigenous and communities".

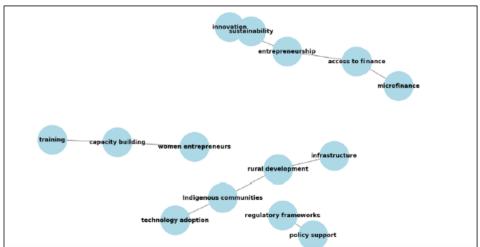


Figure 1. Keyword Concurrence Map

As a result, the significance of these words and phrases draws attention to the main problems and prospects for targeted action referred to in the literature.

Equally, the two areas of interest that were mentioned but not frequently explored rigorously adaptation are **MSMEs** technology, and the extent of women involvement in these types of business enterprises. These observations suggest gaps in the literature which can be explored through further research.

This bibliometric insight supports the results from the systematic review by highlight areas that need more empirical research focusing on common topics. It also shows that researchers are becoming more interested in studying how MSMEs can help indigenous communities grow.

Overall, the results from studies conducted in regions across the world highlight several significant challenges but also signal very positive outcomes for the growth potential of MSMEs.

#### **Discussion**

The findings of this study can be situated within the theoretical constructs discussed in the literature review to gain an understanding of the dynamics that underpin the existence and, by extension, how MSMEs function within indigenous communities.

First, it was observed that cultural, geographic and economic factors have significant influence on the growth of MSMEs. In line with the Resource-Based View theory, businesses can take advantage of their unique capabilities and resources to gain competitive advantage in the industries in which the operate. Aligning the Resource Based View to operating in rural indigenous **MSMEs** communities, the findings show that they often leverage local resources, and traditional knowledge to their advantage [10, 11].

However, they are often restricted by the lack of resources, including technology, skilled labor, and money. The issues confronting MSMEs can be analyzed through the lens of institutional theory. Institutional significance underscores the of both government institutions and policies influencing business behavior [21]. In this regard, the challenges MSMEs face are fundamentally linked to the shortcomings of institutions, including essential government agencies and lending organizations, delivering adequate support. Consequently, these findings underscore the necessity of enhancing institutional frameworks to foster a conducive environment for MSMEs.

The findings garnered from this study has several implications, specifically governments, practitioners in rural indigenous communities. and researchers. For government, the findings highlight the of importance evidence-based business legislations that in practice will reduce some of the structural hurdles MSMEs have to navigate, while at the same time providing opportunities for them to continue to grow and make meaningful contributions to their communities. Policies that focus on closing the infrastructure deficits, financial inclusion, and capacity building will create an enabling environment for MSMEs to thrive [1]. Practitioners, NGOs and development agencies can play a pivotal

role in implementing grassroots-level interventions, such as business skills training, mentorship and networking opportunities to foster effective practices and scaling up initiatives [19, 10]. For researchers, the findings provide an empirical basis for filling knowledge gaps, particularly in underresearched regions and sectors. Additionally, interdisciplinary approaches that integrate economics, sociology, and environmental science can provide holistic insights into MSMEs dynamics.

In summary, the combination of growth patterns, challenges, and development potential underscores the complexity of MSMEs ecosystems in rural indigenous communities [10, 11, 18]. While these enterprises contribute significantly to employment and income generation, their growth is constrained by systemic barriers [16, 18, 23, 24]. Addressing these challenges requires a multi-pronged approach that combines capacity building, technological innovation, policy reform, and community engagement, with a focus on building resilient MSME ecosystems in indigenous communities.

#### Conclusion

This study highlights the important role of Micro, Small, and Medium-Sized Enterprises (MSMEs) in fostering economic growth and social empowerment in rural Indigenous communities. These businesses contribute to employment, income generation, and cultural preservation. Nonetheless, they persistently encounter hurdles that restrict their growth and by extension the contributions they make to community development. This study also integrates Institutional and Resource-Based View (RBV) theories to elucidate the internal and external determinants affecting MSMEs in Indigenous communities. Institutional theory emphasizes the significance of flexible regulatory frameworks, financial inclusion and governmental support in programs, cultivating a conducive climate for corporate

expansion. At the same time the RBV framework emphasizes how important it is for MSMEs to capitalize on internal resources, traditional knowledge, and innovative techniques to attain a long-term competitive advantage.

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#### **Conflict of Interest**

There is no conflict of interest related to the authorship of this study.

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