International Review of Management and Marketing

ISSN: 2146-4405

available at http: www.econjournals.com

International Review of Management and Marketing, 2024, 14(1), 1-10.

The Role of Adaptive Management in the Resilience and Growth of Small and Medium Size Enterprises

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Received: 18 August 2023 **Accepted:** 12 December 2023 **DOI:** https://doi.org/10.32479/irmm.15139

ABSTRACT

Small and Medium Size Enterprises (SMEs) are the backbone, and the main stimulus of development and studies demonstrate that these businesses play an essential role in economic growth of the global economy. Adaptive management is a crucial approach for enhancing the resilience and growth of SMEs in today's dynamic and unpredictable business environment. The purpose of this study is to determine the role of adaptive management in the resilience and growth of SMEs. A qualitative technique was employed as the research method in this study to collect and analyse data to ascertain the role of adaptive management in the resilience and growth of SMEs. The population of this study constitute SME owners and managers within South Africa and a straightforward random selection process was used to choose the 20 of them to participate in the study. Atlas ti was used to code and analyse transcripts, produce network diagrams, and visualise data. It is evident from the findings of this study that poor management in an enterprise would inevitably result in the failure of the business. This implies that SMEs that embrace adaptive management principles demonstrate a higher capacity to navigate through uncertainties and capitalize on emerging opportunities, thus fostering resilience and sustainable growth. This suggests that for small businesses to succeed, SME owners and the government should collaborate to find solutions to most managerial problems faced by businesses so that the enterprises can grow and be sustainable.

Keywords: Adaptive, Management, Economic Growth, SMEs, Enterprise, Resilience
JEL Classifications: M12, M13, M21

1. INTRODUCTION

In many nations, Small and Medium-sized Enterprises (SMEs) are a major force behind economic expansion and job creation. However, several difficulties, including poor management and pressure from the marketplace, frequently confront these small enterprises. Their survival and expansion may be seriously threatened by these impediments. SME's must use an adaptive management strategy that is flexible and forward-thinking to negotiate such complexity and achieve resilience and growth. The idea of adaptive management, which has its roots in environmental science, has become a crucial strategic instrument for boosting SMEs' resilience and encouraging their expansion. Unlike conventional static management techniques, adaptive management involves a continual process of learning, making wise choices, and modifying tactics in response to feedback in real-time and shifting circumstances. In the face of dynamic market dynamics, it enables SMEs to be more responsive, agile, and proactive, strengthening their capacity to adjust to uncertainty and seize unanticipated opportunities. It is impossible to exaggerate the importance of adaptive management in SMEs because it equips small businesses to successfully weather storms, spot and seize growth opportunities, and promote sustainable development. Understanding the significance of adaptive management becomes even more important since SMEs play a significant role in promoting economic growth and the creation of jobs on a global scale. Small and medium-sized enterprises (SMEs) can more effectively survive market volatility, view change as an

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opportunity, and confidently shape their growth paths by arming themselves with the information and resources necessary to adjust quickly and make decisions.

The Resource Constraint Dilemma is the main issue with adaptive management in the resilience and expansion of SMEs. SMEs frequently have restricted access to resources, including financial, human, and technological. Investments in data collection, analysis, technology, training, and experimentation are necessary for adaptive management. Small businesses frequently struggle to commit enough resources to support adaptive processes, which may result in less-than-ideal decisions and missed growth opportunities (Ali et al, 2017). Budgets for small businesses are frequently limited, and allocating funds for adaptive management may conflict with other crucial operational requirements. Allocating money for testing, analysis, and monitoring can place a burden on financial resources, making it more difficult to fully implement adaptive solutions. A skilled staff required for effective adaptive management must be able to gather and evaluate data, make wise judgements, and implement adaptive solutions. SMEs might not have the appropriate skills to complete these jobs, which makes it more difficult to successfully employ adaptive management practises. Advanced technologies are frequently used in adaptive management for data gathering, analysis, and communication (Rogers and Macfarlan, 2020). Many SMEs struggle to execute adaptive methods because of technology limitations brought on by tight budgets or a lack of technological infrastructure.

The incorporation of adaptive management becomes not just an option but a must for SMEs to flourish in a more unpredictable and competitive market as the business landscape continues to change. The importance of shedding light on how adaptive management practises help SMEs succeed in the face of adversity by fostering innovation, enhancing customer experiences, and obtaining a competitive advantage cannot be overstated. To stay ahead of the curve, it emphasises the value of establishing a culture of learning and innovation, making investments in data-driven decision-making, and encouraging cooperation and networking. The purpose of this research is to examine the crucial function of adaptive management in SMEs, examining how it helps these companies' overcome obstacles and prosper in a dynamic and unpredictably changing business environment. This study emphasises on the many aspects of adaptive management and its direct impact on SME resilience and growth through the analysis of significant findings.

2. LITERATURE REVIEW

Organisations can modify their tactics through adaptive management in response to ongoing input and shifting circumstances. Given the sensitivity of SMEs to market volatility and resource limitations, adaptive management is particularly important in this setting. SMEs can stay ahead of the competition and promote sustainable growth when they have effective management, which enables them to quickly recognise and embrace emerging possibilities. Traditional management strategies frequently fail to help SMEs deal with their dynamic difficulties. It is crucial to shed light on management components such management functions, financial management, human resource management, operations management, management accounting, and marketing management to understand the significance of adaptive management in the resilience and growth of SMEs.

2.1. Management Functions

Managers of SMEs must be firm in making choices that are less risky for their companies if they want to see success and growth. According to Robbins and Judge (2013), Henri Fayol, a French management expert, believed that managers were responsible for six key tasks: organising, commanding, coordinating, leading, and controlling. The planning, organising, leading, controlling, coordinating, and adapting management functions are thoroughly examined in this study in relation to the function of adaptive management in the resilience and expansion of SMEs.

2.1.1. Planning

Setting specific goals and objectives while acknowledging that they might need to be modified over time is part of planning in the context of adaptive management. A thorough grasp of the environment or system being managed is essential for effective planning in adaptive management, as is the capacity to foresee prospective changes and their effects.

2.1.2. Organising

In adaptive management, organising entails setting up resources, roles, and procedures to support ongoing learning and adjustment. This entails forming interdisciplinary teams, outlining roles and duties, and developing systems for sharing information and cooperating.

2.1.3. Leading

In the context of adaptive management, leadership entails encouraging a culture of creativity, learning, and adaptability. In order to successfully apply adaptive management, effective leadership fosters the creation of a common vision and a sense of responsibility among stakeholders.

2.1.4. Controlling

Controlling in adaptive management entails keeping track of and comparing management action results to predetermined goals and standards. It necessitates the development of reliable monitoring and assessment systems that record pertinent data and offer prompt feedback.

2.1.5. Coordinating

As adaptive management frequently involves several actors with a range of interests and expertise, it is essential to coordinate activities and stakeholders. By coordinating their efforts, stakeholders can make sure that everyone is on board with the objectives of adaptive management and can work together to advance continual learning and decision-making.

2.1.6. Adapting

At the heart of adaptive management is the ability to make well-informed changes to management plans in response to new information and evolving circumstances. This role necessitates a

readiness to adjust objectives, alter tactics, and, if required, even investigate whole new avenues.

The successful application of adaptive management solutions requires effective planning, organising, leading, controlling, coordinating, and adapting. The complexities and uncertainties of today's dynamic and quickly changing settings can be more easily navigated by organisations and managers that adopt these functions within an adaptive management framework, resulting in better resource management and sustainable outcomes.

2.2. Financial Management

The relationship between financial management and adaptive management demonstrates how successful financial strategies and practises aid in the efficient use of adaptive management procedures. Cevik and Huang (2018) stipulate that budgeting is a crucial component of financial management because it guarantees that there are resources available to support continual monitoring, evaluation, and adjustment actions. Flexible budgeting is necessary for adaptive management because it allows for the reallocation of funds in response to changing circumstances and new information. Adaptive management promotes proactive risk control while acknowledging the uncertainty present in complex systems. By giving organisations the tools to set up emergency funds and distribute reserves to deal with unforeseen obstacles or opportunities, financial management enables adaptive approaches. Waylen et al. (2019) assert that monitoring and evaluating results and procedures on a constant basis is essential to adaptive management. The availability of cash to enable data collection, analysis, and reporting is guaranteed by financial management. Organisations are better equipped to obtain pertinent information, evaluate the efficacy of management strategies, and make wise adaptive decisions when they allocate financial resources to monitoring and evaluation operations.

Advanced technologies are frequently used in modern adaptive management for data collection, modelling, and analysis. Investments in the essential technology infrastructure, such as sensors, data management systems, and analytical tools, are made possible by sound financial management. A workforce with the abilities to analyse data, come to wise conclusions, and put adaptive solutions into practise is necessary for adaptive management. Financial management encourages training and capacity building initiatives, ensuring that staff members have the skills and knowledge required to participate in adaptive processes successfully (Brassey et al., 2019). Successfully incorporating adaptive techniques into an organization's culture and operations depends on having well-trained staff. The development of knowledge management systems, which record lessons learnt, best practises, and insights obtained through adaptive management processes, is facilitated by financial management. Organisations can foster learning across projects, programmes, and teams by allocating resources to knowledge dissemination and sharing platforms, enabling ongoing innovation and development (De Beer and Armstrong, 2015). As a result, successful adaptive management implementation requires good budgeting, risk management, monitoring and evaluation investment, technology infrastructure, training, and knowledge management. It helps an organisation navigate complex and uncertain situations while maximising outcomes and sustainability when financial management practises encourage flexibility, innovation, and learning.

2.3. Human Resource Management

For businesses utilising adaptive management, it is essential to find and hire personnel with the appropriate skills, competencies, and adaptability. Strategic hiring enables the workforce to support adaptable organisational goals and promotes a climate of openness to novel concepts and methods. A staff with the abilities to analyse data, make wise decisions, and address new issues is necessary for effective adaptive management (Rogers and Macfarlan, 2020). A culture of continuous improvement is promoted, and staff members are given the opportunity to actively participate in adaptive processes by investing in continual learning opportunities. Data-driven decision-making and performance evaluation are key components of adaptive management. A culture of accountability is fostered by having clear performance goals, regular feedback, and performance review, which encourages both individual and group contributions to efforts at adaptive management (Steinmann et al., 2018).

Adaptive management is reliant on leadership and clear communication. Li et al. (2021) believe that employees feel comfortable providing novel solutions and participating in adaptive decision-making in an atmosphere that is supported by open lines of communication and transparent information exchange. A smooth transition to new strategies, structures, or approaches is supported by change management procedures that are made possible by human resource management. To minimise disruptions and maximise the effectiveness of adaptive projects, it is crucial to engage stakeholders, communicate clearly, and overcome change resistance. Frame et al. (2018) aver that organisations with a culture of learning, experimentation, and collaboration are most suited for adaptive management. The development of management strategies is facilitated by a flexible organisational culture that enables staff to experiment with novel concepts and methods. Therefore, organisations can utilise the potential of their workforce to navigate uncertainties and complexities by utilising human resource management practises that prioritise adaptability, learning, and collaboration. This ultimately leads to improved decision-making, innovation, and long-term sustainability.

2.4. Operations Management

A successful application of adaptive management strategies depends on good operations management practises, which are highlighted by the integration of operations management and adaptive management. Designing and improving procedures for efficiency and effectiveness is part of operations management. Process design must have flexibility to accommodate adjustments and new information in the context of adaptive management. Processes that are well-designed and permit experimentation and modifications assist adaptive strategies by enabling businesses to react quickly to new information and problems (Novikov and Tikhonov, 2021). For adaptive management to be successful, the supply chain must be managed effectively, especially in sectors where raw material availability and market conditions are constantly

changing. Operations management helps organisations respond to interruptions while maintaining the flow of resources and goods by supporting resilient supply chain frameworks, contingency planning, and risk management. Adaptive management calls for effective inventory management techniques that strike a balance between the demand for resources and the unpredictability of shifting supply or demand situations (Zavala-Alcívar et al., 2020). By adopting inventory control systems that enable real-time adjustments based on actual consumption, eliminating waste, and optimising resource allocation, operations management supports adaptive tactics.

Hoffmann (2022) contend that operations management requires quality control procedures, and these procedures fit in nicely with the ideas of adaptive management. An ongoing culture of improvement and adaptability is facilitated by operations management practises that prioritise quality assurance, root cause investigation, and corrective actions. Real-time information and data-driven decision-making are key components of adaptive management. Operations management makes it easier to gather, analyse, and analyse operational data to support wise adaptive decisions. The optimal allocation of resources to support ongoing monitoring, evaluating, and adjusting activities is guaranteed by operations management practises. Farida and Setiawan (2022) claim that operations management techniques that maximise resource utilisation and allow the organisation to quickly adapt to changing needs are advantageous for adaptive management. Process design, supply chain management, inventory control, quality assurance, data analysis, and resource allocation are therefore all crucial elements that affect an organization's capacity to successfully adopt adaptive techniques. Organisations are better equipped to overcome uncertainty, adapt to changing conditions, and optimise outcomes while preserving operational stability when they use operations management practises that prioritise flexibility, efficiency, and continuous improvement.

2.5. Management Accounting

The relationship between management accounting and adaptive management emphasises how good management accounting practises help adaptive management methods be implemented successfully. Understanding the expenses connected to various actions and activities is possible thanks to management accounting. Understanding cost structures and performing cost-benefit evaluations are key to effective resource allocation in adaptive management. Effective budgeting is essential for adaptive management because it enables organisations to strategically distribute finances in response to changing conditions. Budgets that are adaptable and flexible can be created with ease thanks to management accounting (Huang and Huang, 2019). To ensure that resources are accessible for adaptive actions, budgeting in the context of adaptive management entails setting aside contingency funds and changing allocations depending on developing insights. Data-driven decision-making and performance evaluation are key components of adaptive management (Rogers and Macfarlan, 2020). By creating and monitoring key performance indicators (KPIs) that support adaptive management objectives, management accounting contributes. Organisations can evaluate the success of management strategies, pinpoint areas for development, and make intelligent, adaptive decisions thanks to meaningful KPIs.

Tools for modelling and scenario analysis are provided by management accounting, which are useful in adaptive management. Organisations can investigate prospective outcomes under many scenarios using scenario analysis, which helps decision-makers in ambiguous situations make well-informed choices. Management accounting helps discover the most effective adaptive solutions by evaluating the potential effects of various scenarios. Adaptive management promotes experimentation and learning to enhance results over time. Organisations can keep track of the expenses of learning and experimenting, such as expenditures on data collecting, pilot projects, and training, with the use of management accounting (Williams and Brown, 2016). By locating and calculating possible risks and their financial ramifications, management accounting helps with risk management. Managing uncertainty and adapting to unforeseen obstacles are both aspects of adaptive management. Organisations can determine the financial impact of risks, allocate funds for emergency preparation, and create plans to lessen negative effects thanks to management accounting practises. For organisations to successfully use adaptive management techniques, cost analysis, resource allocation, budgeting, performance assessment, decision support, and risk management are essential elements (Huang and Huang, 2019). Organisations may negotiate uncertainties, optimise results, and promote a culture of continuous improvement in dynamic and ever-changing environments with the help of management accounting practises that place an emphasis on flexibility, data-driven decision-making, and intelligent resource allocation.

2.6. Marketing Management

Lorette (2017) professes that the successful integration of marketing management and adaptive management strategies demonstrates the ways in which efficient marketing techniques support the application of adaptive management strategies. Both marketing management and adaptive management are fundamentally based on market research and consumer insights. Customer surveys, focus groups, and data analytics are examples of marketing techniques that offer useful insights about shifting consumer preferences, behaviours, and demands, enabling businesses to modify their strategy accordingly. Segmenting the market and focusing on particular consumer groups are both aspects of marketing management. Fejza and Asllani (2013) assert that adaptive management requires the ability to detect developing client groupings and modify marketing strategies to accommodate changing demographics and preferences. The notion of adaptive management, which promotes experimentation and innovation, is consistent with marketing management's emphasis on the creation of products and services. Businesses that use adaptive management can benefit from the marketing department's experience in seeing new opportunities, testing new goods, and customising services in response to client input in real time and shifting market dynamics.

Adaptive management greatly benefits from marketing communication and campaign methods. Channels and campaigns for communication that are effective help to spread information, encourage discussion, and collect stakeholder feedback. Clear

and timely communication is essential to adaptive management techniques because it keeps stakeholders updated on changes, developments, and new insights (Csikósová et al., 2014). As they modify their plans, organisations are expected to manage brand perception and reputation. By making sure that brand messaging is constant and in line with the organization's changing objectives and actions, marketing management practises enable adaptive methods. Real-time analytics and digital marketing are becoming increasingly important in marketing management and adaptive management. With the ability to gather data in real-time through digital platforms, businesses can track and assess the success of marketing campaigns and adaptive tactics (Fejza and Asllani, 2013). Therefore. An organization's capacity to successfully adopt adaptive techniques depends on several key factors, including market research, consumer insights, segmentation, innovation, communication, brand management, and digital marketing. Organisations are better able to manage shifting market conditions, optimise results, and sustain relevance in changing environments when marketing practises that prioritise customer centricity, data-driven decision-making, and dynamic strategy modifications are used.

3. METHODOLOGY

The interpretivist research ethic used in this work supports a range of research procedures, including qualitative, quantitative, and mixed methods, if they may contribute to resolving the specific research question at hand. A qualitative technique was employed as the research method in this study to collect and analyse data. Creswell and Creswell (2017) point out that systematic data collection about a phenomenon using standardised measurements is required for qualitative studies. To better understand people's social realities, quantitative studies typically involve the systematic collecting of data about a phenomenon using standardised measures and statistical analysis, with an emphasis on how individuals perceive and make meaning of their experiences. It uses open-ended questionnaires, interviews, diaries, journals, classroom immersions and observations, as well as visual and textual content analysis and oral history to collect, analyse, and interpret the data (Mohajan, 2018). Open-ended questions were used in this study's qualitative data collection process to elicit information from participants. Interviews are shaped by open-ended inquiries that provide participants the opportunity to express their views on the investigation's focus.

Interviews were employed as the research method for this study, and an interview guide served as the instrument for data collection. The purpose of the interview in this study was to obtain confirmatory information from small business owners and managers regarding their perspectives or opinions about the contribution of adaptive management to the resilience and development of SMEs, which is the study's focus. In this regard, the study's interview questions were developed to answer the strategies that SMEs' managers and owners request to assure their SMEs' efficient management. Twenty entrepreneurs and managers representing small companies in South Africa were selected. This is because once this number of participants had been interviewed, saturation had been attained because most of their answers to the interview questions were uniform at this time. A straightforward random selection process was used to choose the 20 interview subjects. Using the data acquired from the research participants, Atlas ti 23 was used to code and analyse transcripts, produce network diagrams, and visualise data. Thematic analysis is the type of analysis that was done on the data for this study. Thematic analysis is a type of analysis used in qualitative research that focuses on identifying, analysing, and capturing patterns, or themes, within a data collection. To create reliable and meaningful results, thematic analysis is used in qualitative research studies to be able to identify, analyse, organise, describe, and report themes that are present in a data collection (Nowell et al., 2017).

4. FINDINGS

This section presents the findings from a qualitative data analysis was out using the Atlas.ti application programme. This study examines, via the use of Atlas.ti and qualitative thematic data analysis, participants' perceptions, and understandings of the subject under investigation. Making sense of the interview schedules was the first step in the data analysis, which started with theme detection. One transcript of all 20 participant responses serves as the foundation for the data analysis. The qualitative study's interview questions were carefully crafted to obtain the opinions of managers and owners of small businesses in South Africa regarding the contribution of adaptive management to the resilience and expansion of SMEs. A review of the literature indicates some important conclusions about the function of adaptive management in the resilience and expansion of SME. Participants' responses to questions about the role of adaptive management in the resilience and growth of SMEs reveal two themes from the data: Significant managerial problems and successful management techniques, as shown in Figure 1.

With regards to the theme: effective management strategies, all study participants attest to marketing strategy such as advertising on social media, flyers and credit sale to be very effective management strategy. Considering this, three business owners are of the opinion that selling on credit to trusted customers is a strategy or method that will ensure customer loyalty, promote customer service and continuous patronage. Likewise, six participants expressed continuous hard work as an effective management strategy. For them, this will entail constant employee training, mentoring, supervision and daily accountability of sales and bookkeeping. More so, redirecting profit into the business was identified as an effective management strategy. Below are some of the participant responses:

...We promoted our items through social media sites like Facebook.

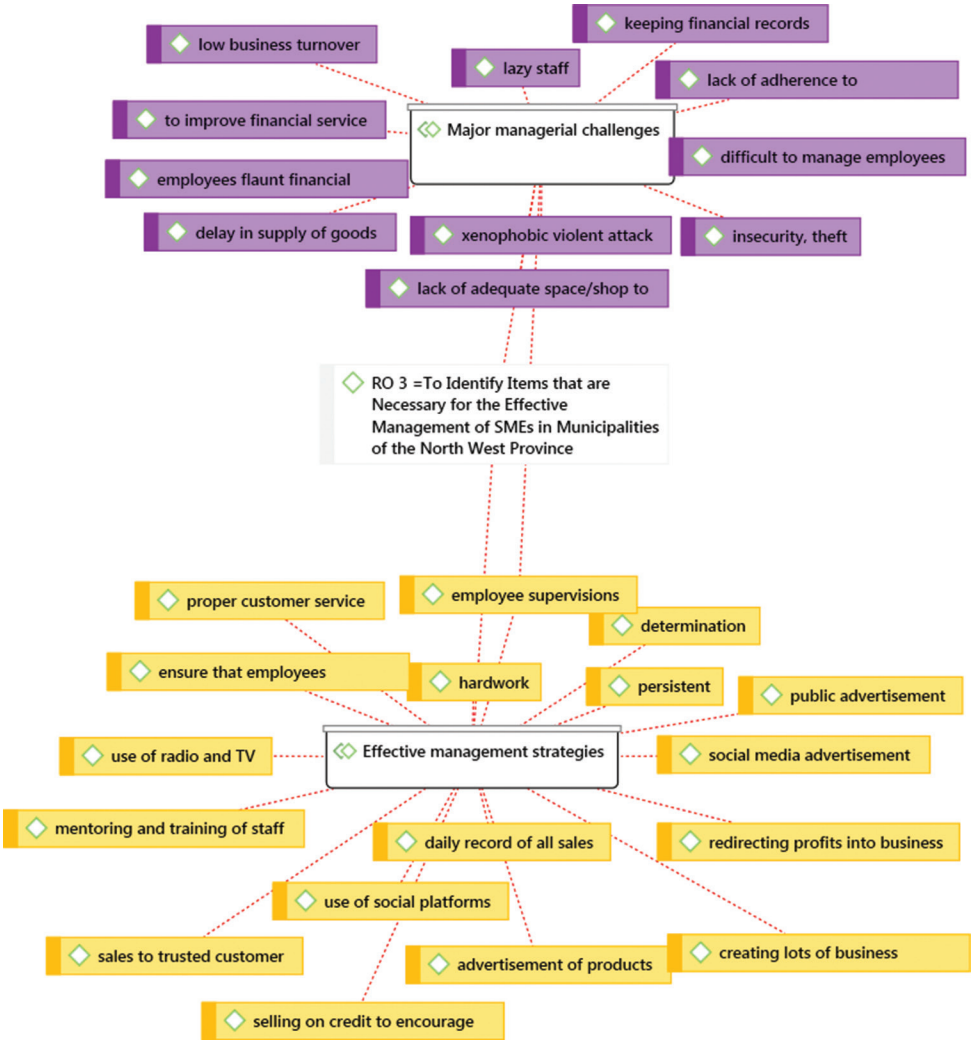
...I give credit to reliable clients who agree to pay me at the end of the month.

...I make sure that workers do their daily responsibilities as allocated.

...I oversee my staff members to make sure they do the daily responsibilities that have been assigned to them.

...To make sure that the goals and objectives are achieved, I invest a lot of time and energy in the company.

Figure 1: Items necessary for effective management of SMEs



...I mentor and train my staff so they can operate the company as effectively as possible.

In addition, Atlas Ti findings displayed these strategies in Figure 2.

It is clear from the research participants' responses above in response to the management strategies they advocate for in managing their firms that most SME managers make every effort to develop and implement a management strategy to secure the survival and sustainability of their companies. The management methods that SME managers employ to operate their companies may differ, but the majority, if not all of them, try to adopt a management strategy to make sure that their companies survive and are sustainable. Making ensuring that a company enterprise achieves its desired goals is the major goal of implementing effective management in a SME. Because of this, Pryor et al. (2010) contend that before starting a firm, all small business owners and managers must be well-versed in the knowledge, skills, expertise, and background required to operate their enterprises efficiently. To help small business managers, understand the components of management and apply them to their operations, Pryor et al. (2010) proposed a strategic management model. This suggests that poor management in a company would inevitably result in the failure or discontinuation of the company, which is one of the factors contributing to the unsustainability of SMEs, as previously stated by the literature for this topic.

Atlas Ti's examination of the raw data showed twelve significant difficulties that were classified and identified with relation to the theme of managerial challenges, as shown in Figure 3.

According to five business owners, keeping their company is the biggest problem they face due to financial constraints. The following response patterns are shared by these five participants:

...Sometimes there is not enough money to buy more merchandise to satisfy rising client demand

...Lack of sufficient funding to grow our firm.

Five business managers also mentioned how difficult bookkeeping was. The common response patterns for these five people are shown below.

...Keeping financial records is one of my biggest managerial challenges.

...Because I lack a strong foundation in accounting, preserving financial records is the main managerial problem I confront.

Figure 2: Effective management strategies of SMEs

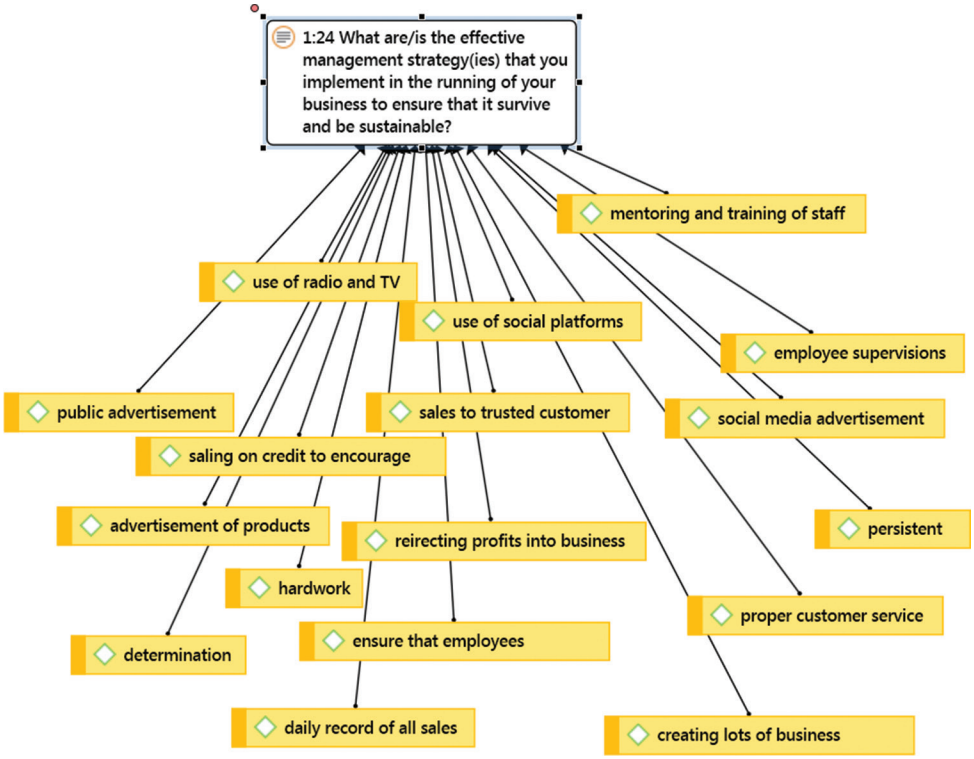
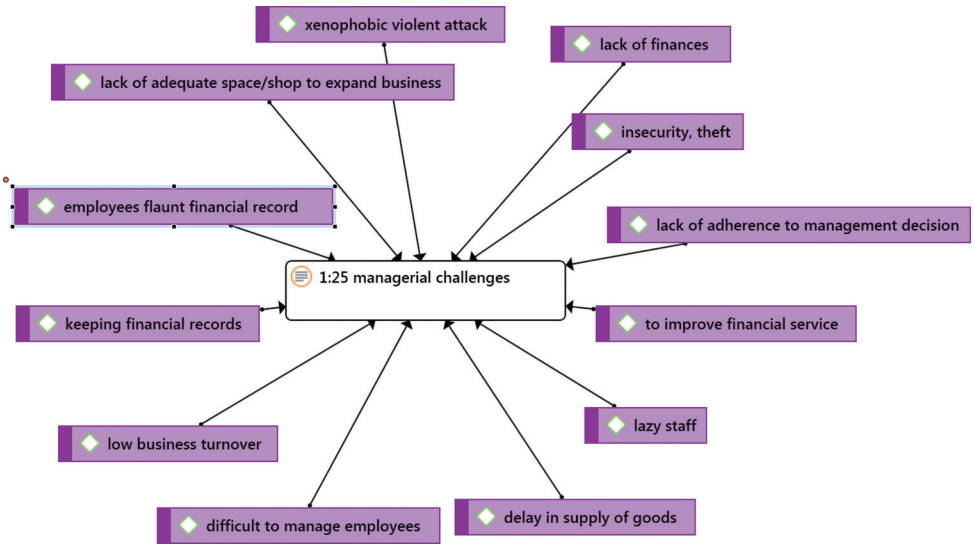


Figure 3: Major challenges of SMEs



Participants also voiced concerns about security difficulties in South Africa due to the ongoing period of severe national electrical shortages, often known as loadshedding, and the frequent political protests, which thieves frequently use as an excuse to rob SME owners' premises. Participants voiced out that one of the major challenges they encounter in their businesses is associated with insecurity because of theft and xenophobic attacks on shops owned by foreigners. Two study participants, whose views were supported, said the following in precise words:

. *Robbery, vandalism, and xenophobic attacks on foreign-owned businesses like mine.*

...*My fear and challenge are xenophobic violent attacks on businesses during political protests*.

The following comments are connected to topics that study participants indicated as being particularly difficult for SMEs, such as improving employee-employer relations and increasing customer service:

...*The majority of the time, workers do not follow management decisions.*

...*Because employees frequently disobey management decisions, employer-employee relations are not very friendly.*

...*The majority of the time, workers do not follow management decisions.*

...*Because the majority of employees are slackers and lack the necessary business management abilities, it is challenging to manage them and maintain a positive working relationship with them.*

It is clear from the participants' replies regarding the managerial problems they faced in their firms that running a successful business is not without its difficulties. This likely explains why the majority of SMEs struggle to survive, and some of them end up failing, particularly when they are unable to address their managerial issues, leading to a high failure rate of companies in this industry. This suggests that for a business to succeed, owners and the government should collaborate to find solutions to the majority of managerial problems faced by business owners so that their enterprises can last.

Summarily, it is clear from the responses of the study participants from the two themes that business owners and managers must implement strategic management in their organisations and that they must collaborate with the government to address the managerial issues faced by SMEs. SME managers should also educate themselves on strategic company management and develop the skills necessary to overcome obstacles. This education is required since, according to the demographic findings of the quantitative study, most SME owners and managers have just a grade twelve diploma or less, up to 73% of them. This is since Mahembe (2011) contends that bad management is to blame for the failure of South African small businesses. The resource dependency theory, which contends that obtaining external resources is a key component of both tactical and strategic management in any business enterprise, is theoretically supported by this. This theory contends that external resources influence an organization's behaviour. The resource dependency theory, according to Davis and Cobb (2010), encourages the use of adaptive techniques such as effective management to lower the level of dependent from external stakeholders, boosting organisational autonomy and fostering the expansion and sustainability of SMEs. Thus, the resource dependence theory is a key factor in the commercialization of organisations like SMEs, which allows them to become robust and flourish.

5. DISCUSSION AND CONCLUSION

The study's findings highlight how crucially important sound management practises are to the survival and expansion of SMEs. The study emphasises the importance of adaptive management for SMEs, which entails ongoing operation monitoring, results evaluation, and adjustments depending on shifting internal and external factors. SME managers should be aware that the business environment is unpredictable and dynamic, and that adapting their plans in response to new possibilities or problems is essential for long-term success. Effective management promotes a readiness to depart from established standards or tactics if they prove unsuccessful or if conditions change. This adaptability increases SMEs' prospects of growth by enabling them to react more quickly to changes in consumer tastes, industry trends, or technology advancements. Since it promotes a culture of continuous learning and improvement, SME managers must actively seek knowledge, skills, and expertise in company management. SMEs are better able to innovate, hone their strategy, and maintain competitiveness when they place a high priority on learning from both triumphs and failures. SMEs that practise adaptive management have a higher propensity to test out novel concepts, goods, or services. These companies can develop a distinctive value proposition that distinguishes them from rivals and increases their resilience in the face of market adversity by creating an innovative culture. Proactive risk assessment and emergency planning are essential components of adaptive management. SMEs need to recognise potential hazards to their operations and create plans to reduce such risks. By assuring continuity and reducing the impact of unfavourable events, this strategy improves the company's ability to handle unforeseen disruptions.

According to the research, SME managers should view business sustainability from a long-term perspective. SMEs have the ability to strike a balance between short- and long-term objectives, allowing them to make choices that will support long-term, sustainable growth. This could entail making investments in the training of employees, cultivating solid client connections, or entering new markets. SMEs are better positioned to take advantage of collective knowledge and different viewpoints when they involve their workers in decision-making processes and promote open communication. Collaboration with other SMEs or larger organisations can also result in resource sharing and profitable alliances. SMEs who use adaptive management should create metrics and key performance indicators (KPIs) to track their development. They can recognise patterns, evaluate the effects of adopted tactics, and make the necessary adjustments with the help of regular assessment. Therefore, SME managers can navigate uncertainty, seize opportunities, and lay the groundwork for long-term success by adopting adaptive management principles. This strategy calls for a proactive and adaptable mindset, a dedication to learning and innovation, and the readiness to modify plans in response to changing conditions.

It is clear that adaptive management is essential as a fundamental strategy for enhancing the resilience and growth of small businesses given the observation that managing a business effectively is fraught with difficulties, resulting in a significant struggle for SMEs to survive and a high rate of business failures. The discovery of numerous managerial difficulties highlights the value of proactive problem-solving. Adaptive management encourages SME managers to foresee problems and solve them before they become more serious. Businesses may reduce disruptions and maintain continuity by developing a culture of early detection and quick response. The need for continuing progress is highlighted by the recognition of problems. SMEs who use this strategy are better able to grow from their setbacks, put remedial measures in place, and continuously improve their operating procedures. Small businesses face unique challenges, which highlights the importance of having strategic flexibility to create backup plans and alternative approaches to dealing with unforeseen problems. Small enterprises can swiftly change directions and modify their strategies because to their flexibility. Understanding the importance of partnerships and knowledge exchange is essential for both owners and the government. Collaboration can result in the sharing of knowledge, assets, and assistance for collective problem-solving.

The recognition of the difficulties faced by SMEs emphasises the significance of risk management and strategic resource allocation, concentrating on areas that solve pressing problems that impede growth. Businesses may efficiently limit risks using this strategy while also making the most use of their resources. A culture of innovation and adaptation is necessary given the pervasive difficulties in operating SMEs efficiently. Businesses that actively look for creative ways to problems are more likely to find them, which will help them stand out from the competition and succeed in the long run. The importance of supportive policies and efforts is highlighted by the realisation that cooperation between owners and the government is crucial. Effective management emphasises the significance of regulatory support, finance, training, mentorship, and other policy frameworks that provide a favourable climate for SMEs. The idea of learning from failure is reinforced by the knowledge that company failure rates are high. Managers of SMEs should see failures as chances for growth and learning. Small businesses can improve decision-making, strategy, and overall resilience by investigating the reasons behind failures. Therefore, proactive problem-solving, strategic flexibility, teamwork, innovation, and a focus on long-term resilience are all components of adaptive management, which gives SMEs the tools they need to overcome obstacles and promote growth in a dynamic and cutthroat business environment.

A potent strategic technique that increases the resiliency and expansion of SMEs is adaptive management. SMEs may respond to market changes, spot new possibilities, and stay one step ahead of the competition by embracing an adaptive mentality and constant learning. The study emphasises the role that adaptive management plays in SMEs' performance. SMEs must invest in data collecting and analysis tools to gather pertinent information for decision-making if they are to effectively reap the rewards of adaptive management. A culture of learning and innovation must be fostered within the company, and SMEs must work with other SMEs, industry associations, and research institutions to share knowledge and best practises. Flexible business plans must also be created, allowing for adaptations in response to changing conditions. To promote sustainable growth and attain long-term prosperity in today's constantly changing business environment, SMEs must proactively include adaptive management practises into their business strategy.

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