

Dynamic Success Dynamics of SMEs in Digital Transformation: Analysis of Social and Psychological Factors

Mesri Welhelmina Nisriani Manafe^{1*}

¹Program Studi Akuntansi, Fakultas Ekonomi, Universitas Kristen Artha Wacana (UKAW) Kupang, Indonesia

Email: mesrimanafe@gmail.com

Abstract. The advancement of information and communication technology has transformed the way business is conducted. Small and Medium Enterprises (SMEs) often face challenges in adopting these changes, including difficulties in integrating digital technology into their operations. This research aims to understand the dynamics of the successful adaptation of Micro, Small, and Medium Enterprises (SMEs) to digital transformation, employing an analysis approach that considers social and psychological factors. The study utilizes a qualitative literature review method, focusing on data from Google Scholar within the range of 2009-2023. The study's findings indicate that SMEs, when confronting digital transformation, can draw several important conclusions. Firstly, it is crucial to build strong relationships with customers, business partners, and the community through social media and business networks to garner necessary support. Secondly, SME owners need to cultivate an adaptive and innovative mindset, along with the ability to take risks and resilience in facing failures. Training and psychological support can help overcome resistance to change. Thirdly, effective management is key to handling digital transformation, with SME owners requiring leadership skills, strategic planning abilities, and expertise in efficiently managing human resources. Managerial training can enhance the leadership capabilities of SME owners.

Keywords: SMEs, Digital Transformation, Social, Psychological

1. Introduction

The evolution of information and communication technology has significantly reshaped the landscape of business operations. Small and medium-sized enterprises (MSMEs) often grapple with challenges when adapting to these changes, especially in overcoming obstacles related to the seamless integration of digital technologies into their daily operations [1]. Given the dynamic nature of technological advancements, a proactive approach from MSMEs becomes imperative to navigate and leverage the benefits of digital tools, ultimately enhancing their competitiveness and sustainability in the ever-evolving business environment [2].

Adapting to digital transformation is not just a necessity; it's a crucial imperative for the sustainability of MSMEs in the modern era. Successful incorporation of digital technologies enables MSMEs to optimize operational processes, enhance efficiency, and broaden their market reach. In the contemporary business landscape, strategically leveraging digital tools not only grants MSMEs a competitive edge but also opens new avenues for growth and innovation. Embracing this paradigm shift facilitates not only survival but thriving in the dynamic and interconnected business ecosystem, marking a pivotal step towards securing long-term success and resilience for MSMEs [3].

The success of MSMEs is intricately linked to the support they receive from the community, encompassing both understanding and acceptance of digital transformations. The pivotal role of societal support cannot be overstated, as it extends beyond mere acknowledgment to active participation in embracing digital changes [4]. A community that fosters a culture of understanding and openness to digital advancements creates an environment conducive to the success of MSMEs [5]. Furthermore, collaborative efforts among MSMEs, facilitated by community support, emerge as a decisive factor. In this collaborative ecosystem, MSMEs can pool resources, share knowledge, and collectively navigate the complexities of the digital landscape. The synergy

between MSMEs and their communities forms a robust foundation for sustained success and resilience in the rapidly evolving digital era.

The extent to which MSME owners can successfully adopt digital technologies is intricately tied to their attitudes, motivation, and mental preparedness for change [6]. Beyond the technological aspect, receptiveness to risks, motivation to acquire new knowledge, and resilience in the face of change-induced pressures are crucial factors that require careful consideration. A proactive and open attitude towards embracing risks associated with digital transformations, coupled with genuine motivation to engage in continuous learning, creates a fertile ground for successful technology adoption [7]. Additionally, the ability to withstand the pressures and challenges that come with change is a testament to the owner's mental preparedness, influencing their capacity to navigate the complexities of the digital landscape effectively. Thus, a holistic approach that addresses not only technological aspects but also the psychological dimensions of change is essential for MSME owners to thrive in the digital era.

This research holds the potential to provide profound insights into the dynamics governing the success of MSMEs in adapting to digital transformation. The findings derived from this study promise to serve as a foundational resource for the development of policies, guidelines, and strategic approaches aimed at supporting MSMEs as they navigate the digital era. By delving into the intricacies of MSMEs' digital adaptation, the research contributes not only to theoretical understanding but also offers practical implications that can inform decision-makers and stakeholders. This comprehensive understanding of the challenges and triumphs in MSMEs' digital journey can serve as a compass, guiding the formulation of effective measures to bolster their digital capabilities, fostering a conducive environment for growth, innovation, and sustained success in the ever-evolving digital landscape.

1.1 Micro, Small, and Medium Enterprises (MSMEs)

Micro, Small, and Medium Enterprises (MSMEs) are business categories that encompass economic entities with a small to medium scale, in terms of the number of employees, turnover, and assets [8]. MSMEs are crucial pillars in the global economy as they significantly contribute to job creation, economic growth, and the distribution of wealth [9], [10]. The characteristics of MSMEs involve more localized operations, flexibility in responding to the market, and a vital role in supporting economic inclusion by engaging in informal sectors. Despite limited resources, MSMEs often serve as sources of innovation and competitiveness in the market, playing a key role in strengthening a sustainable and diverse economic structure [11]. Therefore, enhancing the capacity and support for MSMEs is a primary strategy in promoting inclusive and sustainable economic development.

1.2 Digital Transformation

Digital transformation refers to a profound process of change in the use of digital technology involving all aspects of an entity's operations, strategies, and business models [12]. This includes the integration of digital technology to enhance efficiency, innovation, and competitiveness. Digital transformation is not only about adopting new hardware and software but also about changing the way of thinking and running the business as a whole [13]. In the organizational or corporate context, digital transformation can involve the implementation of technologies such as artificial intelligence, the Internet of Things (IoT), data analytics, and cloud computing [14]. This transformation not only impacts internal company processes but also alters interactions with customers, product or service delivery models, and creates a more interconnected business ecosystem. Thus, digital transformation becomes a strategic necessity to align businesses with the rapid changes in the world of technology and ensure sustainability and competitiveness in this digital era.

1.3 Social

Social refers to the dimension of interaction and relationships among individuals or groups in society. It encompasses various aspects of human behavior, social norms, and dynamics of relationships among members of society [15]. Social aspects involve the formation of social identity, group structures, and communication processes. Social norms that govern individual behavior in society are also an integral part of the social dimension, including values, ethics, and rules that shape interaction patterns [16]. Moreover, the social dimension also includes phenomena such as social inclusion, community support, and interpersonal interactions that form the basis of human social life. With the complexity of the social dimension, understanding social factors becomes crucial in analyzing societal dynamics, understanding human behavior, and designing strategies or policies that strengthen social bonds and overall well-being.

1.4 Psychological

Psychological refers to the internal dimension of individuals involving cognitive, emotional, and behavioral processes [17]. It includes the study of thoughts, feelings, and motivations that shape a person's nature and actions. Psychological aspects involve understanding thought patterns, perceptions, and emotional responses of individuals to various situations or stimuli [18]. The scope of psychology also includes motivation, desires, and decisions made by individuals based on their interpretation of the surrounding world. Psychological studies also consider the role of past experiences, personal development, and mental conditions of an individual. Therefore, in the context of research or analysis, understanding the psychological dimension becomes essential to detail the factors influencing individual behavior and responses to specific situations. Awareness of the psychological aspects of individuals has a significant impact, both in the business context, education, and other aspects of life.

2. Method

This research adopts a qualitative literature review method, focusing on data sources from Google Scholar within the timeframe of 2009-2023. The main objective of this study is to understand the dynamics of the success of Micro, Small, and Medium Enterprises (MSMEs) in adapting to digital transformation, applying an approach that analyzes social and psychological factors. The process begins with the selection of relevant keywords such as "MSMEs," "Digital Transformation," "Social Factors," and "Psychological Factors." A rigorous search on Google Scholar is conducted within a specific time range, and strict inclusion criteria are applied to select pertinent literature. Following the selection, in-depth content analysis is performed to identify key findings, patterns, and concepts related to the dynamics of MSME adaptation. The results of this research are expected to provide profound insights into the factors influencing the success of MSMEs' adaptation to digital transformation, particularly in the context of social and psychological factors, based on relevant literature from Google Scholar within the specified timeframe.

3. Result and Discussion

In this ever-evolving and challenging era, micro, small, and medium-sized enterprises (MSMEs) are increasingly confronted with significant changes brought about by digital transformation. The success of MSMEs in adapting to these changes is not solely determined by technical factors but involves the intricate dynamics of social and psychological elements. A comprehensive analysis of the interplay between these factors holds the potential to provide a more nuanced understanding of MSMEs capacity to face digital transformations. Beyond technological considerations, the socio-psychological fabric, encompassing factors such as organizational culture, leadership mindset, and employee attitudes, plays a pivotal role in shaping the trajectory of MSMEs digital adaptation journey. By delving into the complexities of these interactions, researchers and stakeholders can gain valuable insights into how MSMEs can effectively navigate the multifaceted challenges posed by the digital revolution. This holistic understanding is instrumental in developing targeted strategies, policies, and support systems that empower MSMEs to thrive amidst the intricacies of the evolving digital landscape.

Primarily, social factors play a pivotal role in the adaptation of Small and Medium-sized Enterprises (MSMEs) to digital transformation. The foundational aspect lies in the interactions with customers, business partners, and the general community. MSMEs that effectively adapts is often characterized by a keen understanding of the needs and expectations of their customers [19], [20]. Active engagement in social media and online communities further enhances visibility, fostering a sense of connection and trust. Successful MSMEs recognize the significance of building strong relationships, not only for customer retention but also for garnering support from the broader community. Leveraging these social dynamics becomes instrumental in navigating the digital landscape, as it not only facilitates market responsiveness but also bolsters digital marketing efforts [21]. By integrating social elements into their digital strategies, MSMEs can establish a robust foundation for sustained success in the dynamic and interconnected business environment.

Moreover, active engagement in local and global business networks can unlock doors to new opportunities for Small and Medium-sized Enterprises (MSMEs) [22]. Collaborative initiatives with fellow MSMEs, larger corporations, or research institutions have the potential to broaden the knowledge base and resources required to confront technological changes effectively [23]. This social dimension not only facilitates knowledge exchange but also fosters a supportive environment for the sharing of ideas and innovations. By participating in diverse networks, MSMEs not only gain access to a wealth of insights but also establish valuable connections that can fuel collaborative projects and ventures. This collaborative ethos becomes a crucial cornerstone for the success

of MSMEs in adapting to the evolving technological landscape, as it enriches their adaptive capacity, promotes synergies, and positions them to thrive in an increasingly interconnected and dynamic business ecosystem.

On the psychological front, the mindset of Small and Medium-sized Enterprises (MSMEs) owners assumes a crucial role in the success of digital transformation. The courage to take risks, resilience in the face of failures, and the ability to glean valuable lessons from experiences emerge as pivotal aspects. Owners of MSMEs who cultivate an innovative and adaptive mindset tend to be more prepared to confront technological changes [24]. A forward-thinking and resilient mindset not only empowers MSMEs owners to embrace risk-taking but also positions them to view failures as opportunities for learning and growth [25]. This psychological resilience becomes a cornerstone for navigating the uncertainties associated with digital transformation. Moreover, an owner's receptivity to continuous learning and a proactive approach to innovation are integral components that foster a culture of adaptability within MSMEs, enabling them to not only survive but thrive amidst the rapid evolution of technology.

Furthermore, the success of digital transformation in Small and Medium-sized Enterprises (MSMEs) is often intricately linked to strong managerial capabilities. Leadership skills, the ability to devise strategic plans, and expertise in human resource management are psychological factors that significantly contribute to this success [26]. Owners of MSMEs who exhibit proficiency in motivating and engaging employees throughout the transformation process are more likely to achieve success [27]. Effective leadership not only involves guiding the organization through technological changes but also encompasses the capacity to foster a collaborative and innovative culture within the workforce. Strategic planning becomes paramount in navigating the complexities of digital evolution, ensuring that resources are optimally allocated, and goals are aligned with the broader vision of the enterprise. Consequently, the intersection of managerial prowess and psychological acumen emerges as a critical determinant for MSMEs in their quest for success amidst the challenges and opportunities presented by digital transformation.

However, psychological challenges manifest in the form of resistance to change. Some Small and Medium-sized Enterprises (MSMEs) owners may experience fear of the uncertainty accompanying digital transformations, hindering their ability to adapt. The reluctance to embrace digital changes often stems from a perceived threat to the familiar and established ways of conducting business. Therefore, supporting MSMEs owners with a holistic approach that includes continuous learning initiatives and psychological assistance becomes paramount in overcoming these barriers [28], [29]. Fostering a culture that encourages a growth mindset and providing psychological support can help alleviate the apprehensions associated with change. By recognizing and addressing the psychological dimensions of resistance, stakeholders can empower MSMEs owners to navigate the uncharted territories of digital transformation with greater confidence and resilience, ultimately enhancing their capacity to thrive in the evolving business landscape.

In its entirety, the dynamics of Small and Medium-sized Enterprises (MSMEs) successfully adapting to digital transformation entail a complex interplay between social and psychological factors. A profound understanding of both these facets serves as a strategic foundation for developing policies and supportive programs that empower MSMEs to navigate the ever-changing digital landscape. By comprehending and managing these factors holistically, MSMEs can optimize their potential and achieve success in the ongoing era of digital transformation. The social dimension encompasses interactions with customers, communities, and global networks, emphasizing collaboration, visibility, and knowledge exchange. Concurrently, the psychological aspect involves the mindset of MSMEs owners, their willingness to embrace risk, resilience in the face of failures, and leadership skills. This comprehensive approach acknowledges that successful adaptation requires not only technological prowess but also a culture that values innovation, fosters collaboration, and provides psychological support. In essence, only by navigating and harmonizing these intertwined social and psychological elements can MSMEs unlock their full potential and thrive amidst the dynamic landscape of ongoing digital transformation.

4. Conclusion

In facing digital transformation, MSMEs can draw several important conclusions from the analysis of social and psychological factors that influence their adaptation success. Firstly, building strong relationships with customers, business partners, and the community through social media and business networks is crucial. Active engagement in the community can provide the necessary support and help MSMEs remain relevant in the digital ecosystem. Secondly, MSME owners need to develop an adaptive and innovative mindset. The ability to take risks, resilience in facing failures, and a willingness to continue learning are key in navigating technological changes. Training and psychological support can help overcome resistance to change and motivate MSME owners to continually evolve. Thirdly, effective managerial skills are key to managing the digital transformation

process. MSME owners should possess strong leadership skills, strategic planning abilities, and the capacity to efficiently manage human resources. In this regard, managerial training can reinforce the leadership capabilities of MSME owners.

To achieve success in digital transformation, MSMEs are advised to actively engage in local and global business communities through the utilization of social media and business networks. Additionally, there is a need for the development of an adaptive mindset that is open to change, focusing on innovation and continuous learning to stay relevant in a rapidly changing market. It is also important for MSME owners to strengthen managerial skills, including effective leadership, wise strategic planning, and efficient human resource management. Investment in managerial training will help strengthen MSME managerial capacity. Psychological support is also crucial, providing assistance in overcoming resistance to change and facilitating continuous learning programs. By implementing these recommendations, MSMEs can effectively confront the challenges of digital transformation, expand their market reach, and enhance their competitiveness in the ever-evolving digital era.

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