Analysis of the Interconnection between Digital Skills of Human Resources in SMEs and the Success of Digital Business Strategy Implementation

Sutrisno¹*, Kraugusteeliana Kraugusteeliana², Syamsuri³

¹Program Studi Manajemen, Fakultas Ekonomi dan Bisnis, Universitas PGRI Semarang, Indonesia
²Program Studi Sistem Informasi, Fakultas Ilmu Komputer, Universitas Pembangunan Nasional Veteran Jakarta, Indonesia
³Program Studi Pendidikan Ekonomi, Fakultas Keguruan dan Ilmu Pendidikan, Universitas Tanjungpura, Indonesia

E-Mail: ¹sutrisno@upgris.ac.id, ²kraugusteeliana@upnvj.ac.id, ³syamsuri@untan.ac.id

Received Dec 17th 2023; Revised Feb 05th 2024; Accepted Mar 10th 2024
Corresponding Author: Sutrisno

Abstract

The advancement of information technology has transformed the way SMEs operate, from marketing aspects to inventory management. Digital business opens up new opportunities for SMEs but also demands new skills from human resources to keep up with these developments. The objective of this research is to analyze the interconnection between the digital skills of human resources in SMEs and the success of implementing digital business strategies. This research method focuses on qualitative literature review using Google Scholar as the data source, especially for articles published between 2021 and 2024. The study results indicate that the role of human resources in an increasingly digital business world is crucial. The digital skills possessed by human resources not only affect the effectiveness of implementing digital business strategies but also impact the competitiveness and sustainability of SMEs in the constantly changing market. A deep understanding of the market, creativity in innovation, and adaptability are important factors in ensuring business success in this digital era.

Keyword: Digital Business Strategy, Digital Skills, Interconnection, SME Human Resources

1. INTRODUCTION

The development of information technology has significantly transformed the operational landscape for Micro, Small, and Medium Enterprises (MSMEs), influencing not only marketing strategies but also inventory management. The presence of digital business has opened up new opportunities for MSMEs, providing broader access to the global market and enhancing operational efficiency [1]. However, the emerging challenges cannot be ignored. The adoption of digital technology requires MSMEs to acquire new skills in managing systems, analyzing data, and adapting to rapid changes in the business environment [2]. These new skills are crucial in ensuring the success and sustainability of businesses in this digital era.

In addition to the aforementioned phenomena, there has also been a significant shift in consumer behavior towards digital platforms as their primary means of meeting their needs. This shift, reflecting the evolving dynamics of consumers, poses its own challenges for Micro, Small, and Medium Enterprises (MSMEs). In facing the increasingly competitive digital market, MSMEs are required to not only adapt their business strategies but also enhance the quality of their services and products [3], [4], [5]. The adoption of digital technology is a necessity for MSMEs to expand their market reach, improve business processes, and enhance competitiveness. Therefore, digital transformation is no longer just an option but a necessity that cannot be overlooked for the sustainability of MSMEs in this era.

Nevertheless, there are still several challenges faced by Micro, Small, and Medium Enterprises (MSMEs), especially in terms of understanding and mastering digital technology. In fact, the lack of digital knowledge and skills can be a significant barrier for MSMEs in adopting and implementing effective digital business strategies [6]. This gap can slow down MSMEs' ability to adapt to dynamic business environments and limit their access to new opportunities offered by the digital era. Therefore, investing in digital capacity development, through training or collaboration with experts in this field, is essential to ensure that MSMEs can compete and thrive in this ever-changing market.

The importance of digital skills in Human Resources (HR) cannot be underestimated, as a key element that significantly influences the success of implementing digital business strategies in the context of Micro, Small, and Medium Enterprises (MSMEs). HR with reliable abilities in utilizing digital technology can have a
tremendous impact, both in improving operational efficiency and in creating competitive advantages for MSMEs [7], [8], [9]. Those proficient in using digital tools can optimize business processes, reduce operational costs, increase productivity, and respond to market changes more quickly and effectively [10]. It is essential for MSMEs to not only focus on product development and marketing but also prioritize investment in developing digital skills in HR as an integral part of their efforts to survive and thrive in this digital era.

For these reasons, it becomes increasingly urgent for Micro, Small, and Medium Enterprises (MSMEs) to prioritize the development of digital skills among their Human Resources (HR). Properly organized training and education can equip MSMEs' HR with the necessary skills to face challenges and leverage opportunities arising in the dynamics of digital business [11]. Investing in HR development is not only an effort to keep up with trends but also a strategic necessity to ensure the sustainability and competitiveness of MSMEs in an increasingly digitalized market [12]. Therefore, MSMEs need to adopt a proactive approach to strengthen their HR's digital skills, optimizing business potential and facing challenges in this digital era with greater confidence and effectiveness.

The importance of thorough analysis of the relationship between HR's digital skills and the success of implementing digital business strategies cannot be underestimated. Understanding the correlation between these two factors is crucial in the context of performance evaluation and business development in the digital era. Careful analysis will provide stakeholders, both internal and external, valuable insights to identify areas where improvements are needed. Furthermore, a deep understanding of this relationship will also assist in designing appropriate and effective interventions to enhance HR’s digital skills and improve digital business strategies. This means that business management based on robust analysis will enable MSMEs to optimize their potential in facing challenges and leveraging opportunities in this digital era.

Micro, Small, and Medium Enterprises (MSMEs) that successfully adopt digital business strategies effectively not only have the opportunity to improve their own business performance but also to make a substantial contribution to local economic growth [6]. In this context, enhancing digital skills among Human Resources (HR) in MSMEs becomes increasingly important as a key to stimulating innovation, competitiveness, and adaptability in a continuously evolving business environment. Investing in the development of these skills not only enables MSMEs to fully harness the potential of digital technology but also helps them expand market reach, increase operational efficiency, and open up new opportunities [13]. As a result, the improvement of HR's digital skills not only impacts the individual business performance of MSMEs but also contributes to overall economic growth, providing a significant boost to the local business ecosystem and driving broader economic progress.

Considering the explanation above, the objective of this research is to analyze the interconnection between HR’s digital skills in MSMEs and the success of implementing digital business strategies. Thus, this research aims to provide a deeper understanding of how HR’s digital skills influence the digital business performance of MSMEs. The research findings are expected to provide valuable insights for stakeholders, including government, academia, and business practitioners, in designing policies and programs that support MSME development in this digital era.

2. MATERIALS AND METHOD

The research methodology adopted in this study primarily focuses on conducting a qualitative literature review utilizing Google Scholar as the primary data source. The research is centered on exploring the relationship between human resources (HR) digital skills within Micro, Small, and Medium Enterprises (MSMEs) and the effectiveness of implementing digital business strategies. The initial phase involves identifying pertinent research topics concerning the aforementioned relationship. Subsequently, a comprehensive literature search is conducted on Google Scholar using relevant keywords. The retrieved articles are then meticulously screened based on predefined inclusion and exclusion criteria to ensure the selection of only highly relevant articles. Selected articles undergo further scrutiny to assess their quality and relevance to the research objectives, taking into account factors such as research methodology, accuracy, and depth of analysis. These chosen articles serve as the foundation for constructing the literature review, wherein information and pertinent findings from each article are critically evaluated and synthesized. The data analysis process primarily employs qualitative methods, involving the examination of findings from selected articles to identify discernible patterns, trends, and key insights pertinent to the relationship between HR digital skills in MSMEs and the success of digital business strategy implementation. However, it is important to acknowledge the limitations of this research methodology. Firstly, the study is constrained by the restricted timeframe for literature review, which spans from 2021 to 2024. Additionally, the reliance solely on Google Scholar as the data source may introduce inherent biases and limitations in terms of comprehensiveness and diversity of sources. Initially, the dataset comprised 55 articles, which underwent stringent screening processes, culminating in the selection of 21 articles that met the rigorous inclusion criteria.
3. RESULTS AND DISCUSSION

In the continuously evolving era of the digital world, the capabilities of information technology and digital skills play a crucial role in determining the success of various industrial sectors, including Micro, Small, and Medium Enterprises (MSMEs). A profound analysis of the relationship between digital skills possessed by human resources (HR) within MSMEs and the successful implementation of digital business strategies becomes essential in this context. In this dynamic context, a deep understanding of how HR's digital skills can influence the effectiveness of digital business strategy implementation is key to gaining sustainable competitive advantage.

First and foremost, it is important to understand the highly crucial role played by Micro, Small, and Medium Enterprises (MSMEs) in the current global economic landscape. Despite their relatively small size, MSMEs are consistently faced with a series of complex and often challenging challenges, such as fierce competition with larger business entities, limited access to vital resources, and the need to adapt to rapidly changing consumer behaviors. In the context of this increasingly competitive market dynamics, the adoption of digital business strategies has become an absolute necessity for MSMEs to enhance their competitiveness and ensure sustainable operational continuity in this ever-changing digital era [14].

However, the essence of success in implementing digital business strategies does not solely depend on the extent to which technology has been adopted, but also on the level of digital skills possessed by Human Resources (HR) within the structure of MSMEs [15]. These digital skills include the ability to deeply understand information technology, proficiency in using various software and specialized applications, as well as the courage and creativity in leveraging various digital platforms to enhance overall business effectiveness and performance [16]. Thus, the development of digital skills becomes an integral aspect in bridging the gap between technology potential and its application in the dynamic and evolving context of MSME businesses.

In this context, the analysis of the interconnection between HR's digital skills in MSMEs and the success of digital business strategy implementation involves several key aspects:

1. Alignment of Skills with Utilized Technology

   Firstly, it is crucial to highlight the alignment between the skills possessed by Human Resources (HR) within Micro, Small, and Medium Enterprises (MSMEs) and the technology used in digital business strategy. In this context, consistency between HR's digital skills and the applied technology becomes paramount. For example, when MSMEs decide to utilize social media as one of their primary pillars in marketing strategy, it requires SDM's capability to effectively manage social media accounts, analyze user data for valuable insights, and design/implement engaging content that resonates with market needs. By ensuring that SDM's skills and utilized technology work synergistically, MSMEs can enhance their potential in utilizing social media as an effective tool to boost visibility, interaction, and ultimately, overall business success in the continuously evolving digital era [17].

2. Deep Understanding of Markets and Consumers

   In addition to having adequate digital skills, it is also important for Human Resources (HR) within Micro, Small, and Medium Enterprises (MSMEs) to possess a deep understanding of market dynamics and desired consumer behaviors. In this context, the ability to carefully analyze market data and interpret consumer trends becomes crucial in designing efficient digital business strategies that are responsive to the ever-changing market needs. HR equipped with comprehensive understanding of markets and consumer behaviors will be able to identify potential business opportunities, formulate targeted marketing strategies, and adapt their products or services to consumer needs and preferences more accurately (DWIVEDI 2021). Thus, the synergy between digital skills and deep market understanding...
will serve as a solid foundation for the successful implementation of digital business strategies in the context of MSMEs in the continuously evolving digital era.

3. Creativity in Product and Service Innovation
The importance of digital skills lies not only in technical abilities but also in the capacity of Human Resources (HR) within Micro, Small, and Medium Enterprises (MSMEs) to harness creativity in the process of product and service innovation. In this context, digital skills provide a strong foundation for HR to explore new ideas and deliver innovative solutions [18]. With a deep understanding of technology, HR can design and develop unique digital products and services, adapt to changing market needs, and creatively address challenges faced by MSMEs. This creates potential to drive product differentiation, enhance consumer experiences, and unearth new untapped opportunities. Therefore, digital skills are not just tools for operating technology but also catalysts for fostering innovation and growth within MSMEs in the rapidly changing and fast-moving digital era.

4. Adaptation to Change
Amidst the rapidly changing business environment in the digital era, the ability to adapt is crucial to maintaining the success of digital business strategy implementation. Human Resources (HR) equipped with good adaptation skills will have an advantage in responding to changes, both in technology and the market [19]. The ability to flexibly adapt to new technological developments and changes in consumer behavior is a valuable asset in maintaining competitiveness and overall business success [20]. Additionally, adaptive HR can identify emerging opportunities with technological advancements and adjust business strategies to leverage them optimally [21]. Thus, adaptation skills become a determining factor supporting the sustainability and progress of MSMEs in facing challenges and opportunities in the dynamic and competitive digital business era.

Therefore, it is important to emphasize that the analysis of the interconnection between digital skills possessed by Human Resources (HR) within Micro, Small, and Medium Enterprises (MSMEs) and the success of digital business strategy implementation highlights the urgency of investing in digital skills development as an integral part of HR development strategy. By deeply understanding this relationship, MSMEs can better prepare themselves to face emerging challenges and leverage opportunities presented by the digital revolution to achieve sustainable business growth. In this increasingly digitally connected context, digital skills are not just an add-on but a necessary foundation for creating sustainable competitive advantages for MSMEs. Thus, awareness of the urgency of investing in digital skills development becomes increasingly important in responding to the evolving dynamics of business in this digital era.

4. CONCLUSION
The empirical evidence derived from this research underscores the paramount importance of Human Resources (HR) within the contemporary landscape of business operations, particularly amidst the burgeoning digitization trend. Within this paradigm, the digital proficiencies harbored by HR personnel emerge as pivotal determinants not solely affecting the efficacy of digital business strategy execution but also wielding substantial ramifications for the competitive prowess and enduring viability of Micro, Small, and Medium Enterprises (MSMEs) amidst the perpetual flux of market dynamics. A nuanced comprehension of market intricacies, coupled with a proclivity towards innovative ideation and a robust capacity for adaptability, assumes an eminent role in safeguarding the triumphant trajectory of enterprises within the prevailing digital epoch. Recommendations that can be provided based on these study results include:

1. Digital Skills Development: MSMEs need to pay serious attention to the development of HR’s digital skills. Internal training and education programs can help enhance their understanding of technology and its applications in a business context.
2. Integration of Skills with Business Strategy: Enhanced digital skills should be integrated into the overall business strategy. HR needs to see how their skills can support business objectives, including using data for better and more effective decision-making.
3. Digital Innovation: Encourage HR to be more creative in designing digital-based innovations. Collaboration among teams and a strong understanding of market needs will help MSMEs produce more relevant and sought-after products and services.
4. Deep Understanding of Markets and Consumers: Deepen understanding of markets and consumer behavior. MSMEs can leverage data analysis to quickly respond to changing market trends and needs, ensuring the relevance of their digital business strategies.
5. Flexibility and Adaptability: Build a culture of flexibility and adaptability within the organization. HR who can quickly adapt to technological changes and market conditions will provide a competitive advantage for MSMEs.
6. Collaboration and Networking: Encourage collaboration and networking within the industry. MSMEs can learn from the experiences and best practices of similar businesses. Knowledge and experience exchange can enrich their digital skills.

By implementing these recommendations, it is hoped that MSMEs can optimize the potential of their HR’s digital skills, enhance business competitiveness, and sustainably achieve success in an increasingly digital business environment.

REFERENCES

