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# Leadership Analysis on the Financial Well-Being of MSME Entrepreneurs with Diffusion of Innovations as a Moderating Variable

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# ARTICLE INFO

## ABSTRACT



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This research aims to analyze the influence of leadership on the financial well-being of Micro, Small, and Medium Enterprises (MSMEs) entrepreneurs in Indonesia, with innovation diffusion as a moderating variable. Data were collected by surveying 400 MSME entrepreneurs who have been in business for at least six months. Data were analyzed using the Structural Equation Model (SEM) with the SEM-PLS program. The analysis results indicate that innovation adoption and leadership positively and significantly influence the financial well-being of MSME entrepreneurs. Additionally, innovation diffusion plays a significant moderating role in the relationship between leadership and financial well-being. The practical implication is that MSME entrepreneurs can enhance their financial well-being by adopting innovation and having effective leadership.

Keywords: MSMEs, leadership, diffusion of innovation, financial well-being

#### Open Access

#### 1. Introduction

To achieve a state of prosperity, particularly financial well-being, individuals must possess the ability to innovate and adapt in order to advance and thrive, even in the face of unexpected challenges. The world is full of uncertainties, and countless unforeseen events can disrupt even the most well-laid plans (Llena-Nozal et al., 2019). One such event was the COVID-19 pandemic, which no one could have predicted would affect every corner of the globe. The pandemic emerged suddenly and swiftly, becoming a global crisis that overwhelmed societies and economies alike. It underscored how interconnected the world has become and how vulnerable many sectors, especially the economy, disruptions (Ibn-Mohammed et al., 2021).

The economic impact was profound, with industries worldwide experiencing unprecedented disruptions. Many businesses faced closures, workers lost their jobs, and supply chains were severely affected. Individuals and communities that lacked the ability to adapt or innovate during these trying times found themselves in financial difficulty. This situation highlighted the critical importance of innovation and resilience—not just for businesses but also for individuals striving to

maintain their financial well-being in the face of adversity (Brem et al., 2021).

Financial well-being is not just about having wealth but also about having the capacity to manage resources effectively, adapt to changes, and seize new opportunities, even when external conditions are unfavorable (Anvari-Clark & Ansong, 2022). The COVID-19 pandemic serves as a stark reminder that the ability to navigate uncertainty and remain flexible in a rapidly changing world is essential for long-term prosperity.

The ability to innovate becomes increasingly critical during times of crisis, such as the COVID-19 pandemic. Innovation not only empowers individuals and businesses to adapt swiftly to rapidly changing conditions but also helps them find new solutions to emerging challenges and seize opportunities for growth and resilience. In unpredictable scenarios, like a global pandemic, the role of innovation is amplified, serving as a crucial tool for navigating uncertainties and safeguarding financial well-being (Hynes et al., 2020).

Businesses that have embraced innovation have demonstrated greater agility and resilience during such crises. These businesses have been able to pivot their operations, adopt new business

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models, and leverage technology to continue serving customers and maintain their financial health (Kyrdoda et al., 2023). For example, companies that successfully transitioned to remote work environments were able to ensure business continuity while protecting employee safety. Similarly, businesses that implemented contactless delivery systems and expanded online sales channels could meet the evolving needs of their customers while adhering to safety protocols.

By adopting these innovative approaches, many businesses not only weathered the storm but also discovered new pathways for growth during adversity. Innovation, in this sense, has proven to be a key driver in sustaining both short-term survival and long-term prosperity, reinforcing the importance of adaptability and creativity in overcoming crises.

Moreover, innovation extends beyond mere technological advancements; it encompasses creative problem-solving, entrepreneurial thinking, and adaptability. These qualities allow individuals to confront challenges head-on, explore untapped opportunities, and secure increasingly financial well-being in an unpredictable world. People who possess innovative traits, such as flexibility and the willingness to embrace change, are better equipped to navigate disruptions, whether in their personal lives or within the broader economy (Corvello et al., 2023).

In times of crisis, such as the COVID-19 pandemic, these innovative capacities become even more crucial. The pandemic has laid bare the vulnerabilities of many sectors while simultaneously highlighting the strength of those who were able to innovate. Innovation has proven to be not only a survival mechanism but also a pathway to growth, enabling individuals and businesses alike to adapt swiftly to shifting market conditions and consumer needs. Entrepreneurs who have creatively rethought their business strategies, or individuals who have found new ways to manage their finances or generate income, are prime examples of how innovation can be a lifeline during uncertain times (Faulks et al., 2021).

The COVID-19 pandemic has underscored the importance of fostering a culture of innovation as a critical component in achieving and maintaining financial well-being. As individuals and businesses continue to grapple with the pandemic's long-lasting repercussions. becomes evident that innovation is not simply a short-term solution but a long-term strategy for building resilience (Zighan & Ruel, 2023). By nurturing an environment that encourages creative thinking, adaptability, and entrepreneurial spirit, individuals and businesses can position themselves to not only survive in the present but also thrive in the future.

In essence, fostering innovation helps individuals and businesses overcome immediate challenges, capitalize on emerging opportunities, and strengthen their ability to weather future crises. By embracing innovation in all its forms—whether through technological tools, creative

solutions, or new business models—people and organizations can enhance their resilience, drive growth, and secure a path toward long-term prosperity. Innovation, therefore, becomes a cornerstone in building a sustainable and financially secure future, allowing individuals to thrive amid uncertainty and emerge stronger on the other side (Patterson et al., 2022).

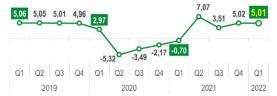


Figure 1. Growth Rate of the Indonesian Economy (Year on Year)

The graph above shows the Gross Domestic Product (GDP) growth trend from 2020 to 2022, illustrating the profound economic downturn in Indonesia. For instance, based on the provided statistical data, Indonesia's GDP growth reached a staggering -5.32% in the second quarter of 2020. This decline in GDP is directly attributable to the panic induced by the onset of the COVID-19 pandemic. During this period, circumstances compelled individuals to alter their lifestyles instinctively with the primary goal of survival (Venkatesh et al., 2021).

This event and its associated circumstances warn all economic stakeholders to be prepared for any situation, particularly for Micro, Small, and Medium Enterprises (MSMEs). Currently, MSMEs are at the forefront of economic growth (Irikefe & Opusunju, 2021; Tusianti et al., 2019). In Indonesia, MSMEs contribute over 60% of the national GDP (Doni, 2022). Before the COVID-19 pandemic, Indonesia had approximately 64.7 million MSMEs, but since the onset of the pandemic, more than 30 million MSMEs have been forced to close down (Sembiring, 2021). This is one of the primary reasons for the drastic decline seen in Indonesia's GDP graph.

The impact of economic crises, such as the COVID-19 pandemic, on Micro, Small, and Medium Enterprises (MSMEs) is profound, given their inherent vulnerability to economic shocks. MSMEs often lack the financial resilience, access to credit, and digital infrastructure needed to withstand prolonged disruptions. With limited reserves and resources, they face significant challenges in maintaining their operations during periods of lockdown, supply chain disruptions, and decreased consumer demand. Unlike larger corporations with diversified portfolios and access to capital, MSMEs are particularly susceptible to cash flow problems, making it difficult for them to navigate periods of economic uncertainty (Anwana, 2024).

The collapse of MSMEs has far-reaching consequences, not only for the businesses themselves but also for the broader economy. MSMEs are critical drivers of employment, income generation, and poverty alleviation, particularly in developing economies. When these enterprises are forced to close, it leads to widespread job losses, reduced household incomes, and increased pov-

erty rates, further exacerbating the economic downturn. Moreover, the closure of MSMEs results in lost entrepreneurial opportunities, stifling innovation and entrepreneurship—the very lifeblood of long-term economic growth. Without the dynamism and creativity of small and mediumsized businesses, economic recovery is slowed, and the prospects for sustainable growth are hindered (Ma et al., 2023).

Recognizing the vital role of MSMEs in the economy, governments and policymakers have introduced various support measures to mitigate the impact on these businesses. Financial assistance programs have been rolled out to provide immediate relief, helping MSMEs cover operational costs, retain employees, and weather the storm of reduced revenue. Access to credit facilities has also been expanded, allowing businesses to obtain the necessary capital to maintain liquidity and invest in recovery efforts. In addition, many governments have launched capacitybuilding initiatives to equip MSMEs with the skills needed to adapt to new market realities, such as the growing importance of digitalization (Mujianto et al., 2021). By enhancing digital infrastructure, these initiatives aim to improve market access and resilience, enabling MSMEs to reach new customers through e-commerce platforms and digital marketing strategies.

Looking ahead, it is crucial that economic recovery efforts prioritize the resilience and sustainability of MSMEs. To ensure that these businesses are better prepared for future disruptions, an enabling environment must be created. This includes supportive policies that reduce barriers to entry, infrastructure development that enhances connectivity and access to markets, and skill enhancement programs that empower MSMEs to innovate and thrive in an ever-changing economic landscape. Furthermore, efforts to strengthen digital literacy and adoption are essential for helping MSMEs tap into the growing digital economy, enabling them to remain competitive and responsive to shifting consumer preferences (Loo et al., 2023).

In addition to government intervention, collaboration between the public sector, private sector, and civil society is essential to fostering a coordinated and effective response to future crises. By working together, these stakeholders can ensure that MSMEs receive the resources, support, and guidance needed to navigate uncertainties and capitalize on emerging opportunities. Strengthening this collaboration will safeguard the resilience and dynamism of MSMEs, allowing them to continue serving as engines of economic growth, innovation, and development. As the world faces an increasingly unpredictable future, empowering MSMEs to adapt and thrive is critical to building a more inclusive, sustainable, and resilient global economy.

The Government has taken proactive steps to support the strengthening of MSMEs through initiatives led by the Ministry of Tourism and Creative Economy and the Ministry of Cooperatives and Small and Medium Enterprises. However, the success of these efforts relies heavily on the willingness of MSME entrepreneurs to continue learning and innovating, particularly in business

operations. Ultimately, while the Government serves as a mentor to facilitate the continuous growth of MSMEs, the entrepreneurs themselves are the primary drivers of MSME development (Rosyadi et al., 2020).

One critical aspect that MSME entrepreneurs must possess is leadership skills. Effective leadership enables MSME entrepreneurs to make careful decisions even in challenging circumstances. Leadership emphasizes hard and soft skills, ensuring that decisions align with prevailing situations and conditions (Marques & Dhiman, 2017a). Additionally, MSME entrepreneurs must articulate innovative products to the public through specific methods, utilizing the principles of diffusion of innovation to ensure acceptance within the community (Rogers et al., 2014).

While government support initiatives aim to empower MSMEs to overcome challenges and seize opportunities, their success ultimately hinges on their entrepreneurs' determination, resilience, and innovation. Therefore, continuous learning, adaptability, and effective leadership are essential for MSMEs to thrive in today's dynamic business environment.

In previous research, it was found that for entrepreneurs of Micro, Small, and Medium Enterprises (MSMEs) to succeed in developing their businesses, they must apply leadership principles that are suitable for the prevailing situations and conditions (Akca, 2021; Rumangkit & Hadi, 2022; Thamrin & Wahyudi, 2022). Additionally, MSME entrepreneurs must continuously innovate because innovation is necessary for any company or business to endure for long (Christensen et al., 2016; Greenacre et al., 2012). One common issue that often leads to the failure of many MSME entrepreneurs is the need for more implementation of the implemented innovations. Furthermore, governance policy errors also contribute to hindering their businesses, preventing the achievement of financial well-being.

Therefore, to achieve financial well-being, MSME entrepreneurs must be able to market their products effectively. Moreover, the innovations pursued by MSME entrepreneurs also need to be delivered (diffused) so that society can receive their products well. Based on the above explanation, the researcher formulates research questions to be addressed in this study:

- 1. How does leadership influence the financial well-being of MSME entrepreneurs?
- 2. What forms of diffusion of innovation are appropriate for MSME entrepreneurs?
- 3. How do variables within leadership and diffusion of innovation affect the financial well-being of MSME entrepreneurs?

# 2. Literature Review

# 2.1. Financial Well-being

Financial well-being is a psychological state or disposition of feeling secure in current and future financial aspects (Sang, 2021). In other words, financial well-being encompasses the ability to meet unexpected needs that may arise at any time. Financial well-being also indicates

that individuals or families have sufficient funds to lead a comfortable life. PricewaterhouseCoopers conducted a study on financial well-being in 2019 (PricewaterhouseCoopers, 2023). The study results indicated that a person can be considered to have achieved financial well-being when they do not feel stressed about money, have no debt, can afford to pay routine living expenses, and are free to make choices regarding desired improvements in their standard of living. Therefore, achieving financial well-being requires a deep understanding of finances. Understanding financial matters is crucial to be learned from an early age because (Sang, 2021):

- To achieve financial well-being, one must have the ability to manage finances within a specific timeframe, and it should be done routinely.
- One must adapt appropriately to uncertain (ambiguous) realities to achieve financial wellbeing.
- To achieve financial well-being and prosperous financial goals, one must plan meticulously.
- To achieve financial well-being, one must have financial freedom to choose and fulfill what is needed.

Financial well-being is not solely about having a significant income but rather about managing finances wisely, being prepared for unexpected situations, and having a sense of security and freedom in financial decision-making. It requires individuals to develop financial literacy, cultivate responsible financial habits, and prioritize long-term financial goals over short-term desires. Ultimately, achieving financial well-being leads to greater peace of mind, reduced stress, and increased overall satisfaction with life.

# 2.2. Leadership

Leadership is crucial in building an organization, whether on a small or large scale. The book "Leadership Today" by Joan Marques (2017) mentions that leadership is not merely an abstract concept but goes beyond that; it is a skill that every leader must possess. A good leader can lead with a specific leadership model. This implies that leadership is not just about being in charge but involves possessing the necessary skills to guide and inspire others effectively. Leaders must have a clear understanding of different leadership styles and be able to adapt their approach to suit various situations and individuals within their organization (Marques & Dhiman, 2017b).

The book "Leadership Today" covers two main aspects: leadership viewed from the perspective of soft skills and leadership viewed from the perspective of hard skills (Marques & Dhiman, 2017). Nineteen key elements constitute soft skills: purpose, trust, moral behavior, values, vision, authenticity, emotional intelligence, spirituality, sustainability, mindfulness, empathy, motivation, communication, dependability, creativity, initiative, self-confidence, resilience, and perseverance. Meanwhile, within the realm of hard skills are four key elements: ambition, global

understanding, information technology, and planning (Marques & Dhiman, 2017b).

The Soft Skills and Hard Skills articulated by Marques are essentially a synthesis of all leadership theories (Marques & Dhiman, 2017b). This is because only some leadership theories can encompass all aspects of leadership, as there is no absolute formulation among scholars and practitioners regarding it. The term "leadership" itself has been attempted to be defined by academics and practitioners for over a century, yet without universal consensus (Northouse, 2021). Disagreements over its definition stem from differences in character and approach to viewing leadership models. Furthermore, Northouse suggests that definitions of leadership are influenced by factors ranging from global issues and politics to perspectives within the discipline where the topic is studied (Northouse, 2021). Building upon Northouse's assumptions, Marques compiles a treatise on leadership that attempts to inventory all aspects related to leadership models.

The Academy of Leadership Sciences Switzerland successfully compiled several definitions of leadership from various prominent academics. Good leadership is executed wholeheartedly, utilizing heart, empathy, feelings, and not just ambition, reason, and common sense. Leadership occurs when one person motivates others to work towards predetermined goals. As quoted by Diena (2021), John Maxwell states that leadership is influence - nothing more, nothing less (Dwidienawati & Ratnasari, 2021). In other words, leadership is a complex moral relationship between people based on trust.

# 2.3. Diffusion of Innovations

Gabriel Tarde proposed the innovation diffusion theory in 1903 (Rogers et al., 2014). It is one of the oldest social theories in the world. Initially, the theory described innovation as being adopted by individuals over time, represented by an S-shaped diffusion curve. This curve has two axes, depicting the adoption rate and time (Rogers et al., 2014).

The focus of this theory lies in the adoption of innovations, including ideas, concepts, knowledge, and so forth. Therefore, within innovation diffusion, there are four characteristics, namely (Rogers et al., 2014):

- Relative Advantage: Relative advantage assumes an evaluation of how an innovation can be considered better or worse than previous products. Satisfaction is the key indicator. The greater the advantage gained, the faster the innovation is accepted by a particular social group.
- Compatibility: Compatibility here refers to the acceptance of innovation caused by the innovation product being in line with societal conditions.
- 3. Complexity: Complexity is the difficulty level in implementing an innovation.
- Trialability: Innovation will make it easier or more beneficial for an individual. However,

society will accept it more quickly when the innovation can be tested first.

These four characteristics are crucial in determining the rate and extent of innovation adoption within a given social system. The level of relative advantage, compatibility with existing norms, complexity, and trialability collectively influence how quickly and extensively an innovation spreads within a community or society.

## 3. Methods

This study adopts a quantitative approach and focuses on the population of micro, small, and medium enterprises (MSMEs) in Indonesia. Furthermore, it is designed as survey research. In survey research, researchers quantitatively describe a population's trends, behaviors, or opinions by examining a sample drawn from that population. For this study, a total of 626 MSMEs were randomly selected as the sample, representing various regions across Indonesia. The random sampling method ensures that the sample is representative of the broader MSME population, allowing for generalizable insights into the challenges and opportunities faced by these enterprises. From the sample, researchers then generalize or make claims about the entire population (Creswell & Creswell, 2017). Data analysis in this study will utilize Structural Equation Modeling-Partial Least Squares (SEM-PLS).

The influencing factors in this study are limited to the following variables: (1) Leadership, encompassing both soft and hard skills. (2) Financial Well-being, including Satisfaction with the current financial situation, Comfort level with the present financial state, and current financial pressure. (3) Diffusion of innovation, which will be employed as a moderating variable.

The study aims to investigate relationships between leadership, financial wellbeing, and the moderating effect of diffusion of innovation among MSMEs in Indonesia. Specifically, it seeks to understand how leadership qualities (soft and hard skills) influence the financial well-being of MSME owners and how the diffusion of innovation moderates this relationship.

Table 1. Matrix of instruments used in this research

Table 1. Matrix of instruments used in this research						
No	Variable	Indicator	Reference			
1	Financial	<ol> <li>Satisfaction with</li> </ol>	(Mallick &			
	Well-being	the current	Debasish,			
		financial situation	2021)			
		<ol><li>Comfort level on</li></ol>	•			
		the present				
		financial state				
		3. current financial				
		pressure				
2	Leadership	1. Soft skill	(Marques &			
		2. Hard skill	Dhiman,			
			2017b)			
3	Diffusion of	1. Relative	(Rogers et			
	Innovations	advantage	al., 2014)			
		2. Compatibility	, , ,			
		3. Complexity				
		4. Triability				
Source: Data Processed (2024)						

The sample characteristics outlined by the researcher entail individuals who have been engaged in entrepreneurship or running a business for a minimum of the past 6 months. Additionally, their businesses should already be digitalized, indicating an adaptation to modern technological trends. Furthermore, the sample must reside within Indonesia, ensuring geographical relevance to the study's focus. These criteria serve to establish a targeted and contextually appropriate sample for the research endeavor.

# 4. Result and Discussion

# **Characteristic of Respondents**

Table 2. Data of Respondents						
Capital below 1 Billion						
Frequency			Percent			
	No	62	9.9			
Valid	Yes	564	90.1			
	Total	626	100.0			
	Annual sales	below 2 Billio	n			
		Frequency	Percent			
	No	65	10.4			
Valid	Yes 561		89.6			
	Total	l 626				
Business area						
Frequency Percent						
	Others	38	6.1			
	Jawa	294	47.0			
	Kalimantan	82	13.1			
Valid	Papua	30	4.8			
	Sulawesi	70	11.2			
	Sumatra	112	17.9			
	Total	626	100.0			

Source: Data Processed (2024)

Based on the distribution of respondent characteristics above, most MSMEs are those with capital below 1 billion and annual sales below 2 billion, indicating a significant presence of micro and small businesses. Regarding geographical location, most MSME respondents in this study operate on Java Island, totaling 294 MSMEs, followed by Sumatra Island with 112 MSMEs, Kalimantan with 82, and the least from Papua with 30 MSMEs. This indicates that the largest concentration is on Java Island, considering Java is the center of industry and the most populous region in Indonesia.

# Validity and Reliability

Table 3 Convergent Validity Test

Table 5. Convergent validity rest				
	Items	Diffusion	Financial Well- being	Leadership
	DI1	0.838		
	DI2	0.750		
	DI3	0.852		
	DI4	0.773		
	DI5	0.800		
	DI6	0.809		
	DI7	0.821		

DI8	0.802		
FWB1		0.741	
FWB2		0.824	
FWB3		0.860	
FWB4		0.840	
FWB5		0.522	
FWB6		0.506	
FWB7		0.763	
L1			0.708
L10			0.768
L11			0.689
L12			0.770
L13			0.713
L14			0.782
L15			0.801
L16			0.571
L17			0.566
L18			0.654
L19			0.777
L2			0.739
L20			0.793
L21			0.552
L22			0.648
L23			0.777
L24			0.703
L25			0.771
L26			0.682
L27			0.752
L28			0.657
L29			0.773
L3			0.753
L30			0.754
L4			0.773
L5			0.678
L6			0.757
L7			0.706
L8			0.768
L9			0.813

Source: Data Processed (2024)

The analysis results shown in the table above indicate that all items of the variables have loading factor values > 0.50. Therefore, it can be concluded that all items of the research variables have passed the convergent validity test. In addition to using loading factor values, the convergent validity test can also be conducted by observing the Average Variance Extracted (AVE) values.

Table 5. Average Variance Extracted (AVE) Test

	U /		
	Average Variance Extracted		
Variable	(AVE)		
Diffusion	0.650		
Financial			
Well-being	0.540		
Leadership	0.525		

Source: Data Processed (2024)

The results above indicate that all research variables have AVE values > 0.50. Therefore, it can be concluded that all variables have good convergent validity.

Table 6. Reliable Test

1 4210 01 1 1014210 1 001				
Variable	Cronbach's Alpha	rho_A	Composite Reliability	
Diffusion	0.923	0.928	0.937	
Financial				
Well-	0.850	0.869	0.888	
being				
Leadersh	0.968	0.968	0.971	
ıp	- L/00			

Source: Data Processed (2024)

Based on the results above, it can be observed that the values of Cronbach's alpha and composite reliability for each variable are > 0.70. This indicates that all research variables exhibit good reliability, qualifying them as instruments for subsequent research. The high values of Cronbach's alpha and composite reliability signify internal consistency among the items within each variable, suggesting that they measure the same underlying construct reliably. Therefore, these variables can be dependable and suitable for further research endeavors.

Hypothesis Test

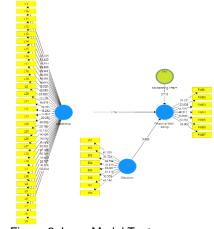


Figure 2. Inner Model Test Source: Data Processed (2024)

Table 7. Path Coefficient Test

Model	Original Sample (O)	Sample Mean (M)	Standard Deviation (STDEV)	T Statistics ( O/STDE V )	P Values
Diffusion -> Financial Well-being	0.266	0.264	0.046	5.826	0.000
Leadership -> Financial Well-being	0.325	0.329	0.045	7.152	0.000
Moderating Effect 1 -> Financial Well-being	0.110	0.110	0.041	2.712	0.007

Source: Data Processed (2024)

The coefficient of influence of Diffusion on Financial Well-being is 0.266, with a t-statistic of

5.826 and a p-value of 0.000. Since the coefficient is positive, and the t-statistic > t-table (5.826 > 1.96) or p-value < alpha 5% (0.000 < 0.05), it can be concluded that Diffusion proves to have a positive and significant effect on Financial Well-being.

The coefficient of influence of Leadership on Financial Well-being is 0.325, with a t-statistic of 7.152 and a p-value of 0.000. Since the coefficient is positive, and the t-statistic > t-table (7.152 > 1.96) or p-value < alpha 5% (0.000 < 0.05), it can be concluded that Leadership proves to have a positive and significant effect on Financial Well-being.

The coefficient of influence of Moderating Effect 1, Diffusion on Financial Well-being, is 0.110 with a t-statistic of 2.712 and a p-value of 0.007. Since the coefficient is positive, and the t-statistic > t-table (2.712 > 1.96) or p-value < alpha 5% (0.007 < 0.05), it can be concluded that Moderating Effect 1, Diffusion proves to have a positive and significant effect on Financial Wellbeing. This implies that the Diffusion of technology proves capable of moderating the influence of Leadership on Financial Well-being.

These results provide evidence of the positive and significant effects of Diffusion, Leadership, and the moderating effect of Diffusion on Financial Well-being, thereby contributing valuable insights into the relationship between these variables and their impact on the financial well-being of the studied entities.

#### Discussion

The influence of leadership and innovation adoption on the financial well-being of MSME entrepreneurs in Indonesia is a critical topic in economic growth and MSME development. The research findings demonstrate that both factors significantly impact financial well-being, with moderation by innovation adoption.

Firstly, the role of leadership in enhancing the financial well-being of MSME entrepreneurs has been established in this study. Leadership theories emphasize the importance of a combination of soft and hard skills for an effective leader (Margues & Dhiman, 2017b). Soft skills such as honesty, empathy, and good communication enable a leader to build strong relationships with employees and business partners. On the other hand, hard skills such as strategic planning and decision-making abilities enable a leader to manage the business efficiently and overcome challenges. In the MSMEs, entrepreneurs context of demonstrate effective leadership tend to manage their business finances wisely, capitalize on market opportunities effectively, and run business operations efficiently, ultimately contributing to their financial well-being.

Secondly, innovation adoption has also been proven to impact the financial well-being of MSME entrepreneurs positively. Innovation diffusion theory emphasizes that innovation adoption can benefit users significantly, including improved operational efficiency and competitive advantage (Rogers et al., 2014). Innovation

adoption can involve using new technologies, innovative marketing strategies, or developing new products that meet market needs. By adopting the right innovations, MSME entrepreneurs can increase productivity, reduce operational costs, and enhance competitiveness, positively impacting their financial well-being.

Thirdly, the finding that innovation adoption plays a significant moderating role in the relationship between leadership and financial well-being provides deep insights into the complexity of interactions between these factors. This suggests that innovation adoption can act as a catalyst to enhance the positive impact of leadership on the financial well-being of MSME entrepreneurs. In this context. entrepreneurs with effective leadership are likelier to identify, adopt, and implement innovations suitable for their business needs and conditions. Thus, innovation adoption can strengthen the positive influence of leadership on financial wellbeing, helping MSME entrepreneurs achieve better financial goals.

Overall, these research findings provide a deeper understanding of the importance of effective leadership and innovation adoption in enhancing the financial well-being of MSME entrepreneurs in Indonesia. The practical implications are that MSME entrepreneurs can well-being improve their financial strengthening leadership and adopting innovations suitable for their business context and needs. This also provides profound insights interaction between leadership, the innovation adoption, and financial well-being in the MSME context, which can assist in developing more effective strategies and policies to support the growth and success of MSMEs in Indonesia.

#### 5. Conclusion and Recommendation

The conclusion of this study reaffirms that leadership and innovation adoption play crucial roles in determining the financial well-being of MSME entrepreneurs in Indonesia. Effective leadership, combining soft and hard skills, has been proven to influence managing MSME businesses wisely and making appropriate decisions significantly. On the other hand, innovation adoption also substantially contributes by enhancing operational efficiency and business competitiveness for MSME entrepreneurs.

The finding that innovation adoption plays a significant moderating role in the relationship between leadership and financial well-being indicates that successful MSME entrepreneurs are those who can integrate effective leadership practices with appropriate innovation adoption strategies. Thus, this research provides profound insights into the complexity of interactions among leadership, innovation adoption, and financial well-being in the context of MSMEs in Indonesia.

However, this study has several limitations that must be considered for future research. These include limitations in generalizing results only to the Indonesian context, vulnerability to biases in data collection methods, and

considerations of additional moderating factors that may influence the relationship between leadership and financial well-being.

For future research, it is recommended to broaden the geographical scope, employ a more holistic approach to data collection, consider additional moderating variables, and enhance sample size and sampling methods. Consequently, future research can provide a deeper and more relevant understanding of the factors influencing the financial well-being of entrepreneurs and their practical implications in a broader context.

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