

Leadership strategies for Technological Advancement in Makassar City Governance

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Abstract. *This quantitative study investigates the connection between management strategies and technological development in Makassar City governance. Through a cross-sectional survey layout, statistics have been accrued from a representative sample of Makassar City government officers, specializing in demographic traits, perceptions of management techniques, and technological advancement. Descriptive facts analysis found out insights into the demographic profile of the sample, highlighting the significance of gender range, intergenerational collaboration, and inclusive selection-making techniques in governance. Furthermore, the analysis recognized transformational and visionary management as giant drivers of technological development, aligning with previous research emphasizing their superb effect on organizational overall performance and innovation. Respondents also expressed high perceptions of technological development, underscoring the growing popularity of technology's ability to enhance governance tactics and improve carrier shipping. These findings offer actionable insights for policymakers, practitioners, and researchers, emphasizing the significance of promoting powerful leadership and leveraging generation to pressure innovation and improvement in Makassar City.*

Keywords: *Leadership strategies, Technological advancement, Governance, Makassar City*

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INTRODUCTION

In the generation of rapid technological advancement, the function of era in governance has emerge as an increasing number of outstanding, supplying possibilities for efficiency, transparency, and citizen engagement. Makassar City, placed in Indonesia, stands at the intersection of way of life and modernity, dealing with the demanding situations of urbanization, aid control, and service transport. In this context, effective leadership performs a vital function in leveraging technology to cope with these challenges and foster improvement. This creation objectives to offer a complete evaluation of the importance of management techniques for technological advancement in Makassar City governance.

Makassar City, the provincial capital of South Sulawesi, is certainly one of Indonesia's key city facilities, characterized by means of its wealthy cultural heritage, economic vibrancy, and diverse population. As the metropolis keeps to develop and evolve, its governance structures have to adapt to meet the evolving needs of its residents and stakeholders. In current years, there was a growing reputation of the importance of integrating technology into governance approaches to enhance performance, transparency, and responsibility.

Numerous studies have highlighted the capability benefits of technology adoption in governance, such as improved provider transport, more desirable choice-making, and multiplied citizen participation (Toufaily et al., 2021; Ali et al., 2023). However, the successful

implementation of technological solutions hinges no longer handiest at the availability of assets however additionally on effective leadership. Leadership performs a pivotal role in riding organizational change, fostering innovation, and shaping the organizational culture (Jerab & Mabrouk, 2023).

In the context of Makassar City governance, leadership includes a various range of roles and obligations, spanning political, bureaucratic, and network spheres. Elected officials, government administrators, and community leaders all play crucial roles in shaping the town's improvement trajectory and leveraging generation to reap governance targets. Effective management in this context includes now not best the ability to articulate a vision for technological development however additionally to mobilize resources, construct partnerships, and navigate complicated political dynamics.

Several management theories offer precious insights into the dynamics of management within the context of technological development. Transformational management, as an example, emphasizes the importance of inspiring and motivating fans to acquire collective dreams thru innovation and alternate (Fan et al., 2023; Xue et al., 2020). Transactional management, however, focuses on the trade relationship between leaders and followers, emphasizing contingent rewards and punishments. Visionary leadership emphasizes the ability to articulate a compelling vision for the destiny and mobilize aid for its realization.

While these management theories provide treasured frameworks for know-how leadership dynamics, their applicability inside the context of technological development in Makassar City governance stays underexplored. Moreover, the unique techniques and tactics adopted by leaders to leverage era for governance objectives warrant further research. By examining the relationship between management strategies and technological development, this examine seeks to make a contribution to a deeper information of the elements shaping governance methods in Makassar City.

Previous studies have highlighted the importance of management in driving technological innovation and adoption inside the public area (Mergel, 2021; Caffaro et al., 2020; Hartley). However, the precise context of Makassar City presents precise demanding situations and opportunities that require tailored management methods. By undertaking a quantitative evaluation of leadership strategies and their effect on technological development in Makassar City governance, this take a look at targets to offer empirical evidence to tell coverage and practice.

METHODS

The quantitative observe investigated the connection between leadership techniques and technological advancement in Makassar City governance. A go-sectional survey design became used to collect records from a consultant sample of Makassar City authorities officers. A based questionnaire turned into developed and dispensed electronically, with records analyzed the use of descriptive and inferential statistical strategies. The observe aimed to offer empirical evidence at the role of leadership in driving technological advancement in city governance.

RESULTS AND DISCUSSION

Table 1: Demographic Characteristics of the Sample

Demographic Characteristic	Frequency	Percentage
Gender:		
- Male	80	60%
- Female	54	40%
Age Group:		
- 20-30 years	25	18.7%
- 31-40 years	45	33.8%
- 41-50 years	40	30.1%
- Above 50 years	24	18.0%

Position:		
- Elected Official	35	26.3%
- Government Administrator	65	48.9%
- Community Leader	34	25.5%
Years of Experience:		
- Less than 5 years	20	15.0%
- 5-10 years	45	33.8%
- 11-15 years	35	26.3%
- More than 15 years	34	25.5%

The table presents the frequencies and percentages of demographic characteristics of the sample, including gender, age group, position, and years of experience. For instance, 60% of the sample identified as male, while 40% identified as female. The majority of respondents were in the age group of 31-40 years (33.8%), followed by 41-50 years (30.1%). Government administrators represented the largest proportion of the sample (48.9%), followed by community leaders (25.5%) and elected officials (26.3%). Regarding years of experience, 33.8% of respondents reported having 5-10 years of experience.

Table 2: Summary of Leadership Strategies and Technological Advancement Perceptions

Variable	Mean	Standard Deviation	Minimum	Maximum
Transformational Leadership	4.25	0.78	2.50	5.00
Transactional Leadership	3.90	0.62	2.75	4.75
Visionary Leadership	4.15	0.70	2.80	5.00
Technological Advancement Perception	4.40	0.85	3.00	5.00

The table presents the mean, standard deviation, minimum, and maximum scores for leadership strategies (transformational, transactional, and visionary) and the perception of technological advancement. Respondents, on average, rated their perception of technological advancement relatively high (mean = 4.40), with a standard deviation of 0.85, indicating some variability in perceptions within the sample. Among leadership strategies, transformational leadership received the highest average rating (mean = 4.25), followed by visionary leadership (mean = 4.15), and transactional leadership (mean = 3.90).

The demographic profile of the sample famous numerous noteworthy developments. Firstly, in terms of gender distribution, our take a look at discovered that 60% of respondents recognized as male, while 40% diagnosed as woman. This aligns with broader traits in gender illustration within authorities institutions, where guys regularly outnumber women in leadership roles (Wescott et al., 2024). It's far critical to recognize the importance of gender variety in governance, as studies have shown that various management teams are associated with stepped forward selection-making and organizational performance.

Secondly, regarding age distribution, the bulk of respondents fell in the 31-40 years age organization, comprising 33.8% of the sample. This locating reflects the fantastically youthful demographic profile of many urban centers, in which more youthful people are increasingly assuming leadership roles (Advani et al., 2022). However, it's miles critical to make certain intergenerational collaboration and know-how switch to leverage the strengths of diverse age agencies and foster innovation.

Thirdly, regarding role within the authorities hierarchy, government directors constituted the largest proportion of the pattern at forty eight.9%, accompanied by using community leaders (25.5%) and elected officials (26.3%). This distribution displays the multidimensional nature of governance, concerning collaboration and coordination across numerous stakeholders it's far crucial to sell inclusive choice-making strategies that interact representatives from various backgrounds to beautify legitimacy and responsibility.

Finally, regarding years of enjoy, a massive percentage of respondents reported having 5-10 years of enjoy (33.Eight%). This finding indicates a relatively balanced distribution of experience tiers within the pattern, which can also facilitate the exchange of expertise and information. it is important to provide non-stop learning and development possibilities to make sure that government officials stay abreast of emerging traits and satisfactory practices.

The descriptive statistics also shed light on respondents' perceptions of leadership strategies and technological development in Makassar City governance. Transformational leadership emerged as the best-rated leadership approach, with a mean score of 4.25, accompanied through visionary management (suggest = 4.15) and transactional management (mean = 3.90). These findings are regular with preceding research highlighting the tremendous effect of transformational management on organizational overall performance and innovation (Li et al., 2020). Transformational leaders inspire and motivate their fans to attain collective dreams via a shared vision and a focal point on individual improvement.

Transactional leadership, characterised through contingent rewards and punishments, acquired a comparatively decrease rating. While transactional leadership may be effective in preserving organizational stability and accomplishing short-time period objectives, it could no longer be conducive to fostering lengthy-term innovation and flexibility (Alrowwad et al., 2020). Visionary leadership, which emphasizes the articulation of a compelling vision for the destiny, turned into additionally exceedingly rated via respondents. Visionary leaders play a vital role in aligning organizational efforts closer to a commonplace cause and navigating complicated demanding situations.

Regarding perceptions of technological advancement, respondents rated their notion pretty excessive, with a median rating of 44 This locating underscore the significance of era in using governance innovation and service delivery improvement. Miles essential to recognize that perceptions of technological advancement may also vary relying on elements which includes access to resources, digital literacy, and organizational subculture. Therefore, efforts to promote technological development must be observed by way of projects to address virtual divides and decorate technological capability throughout all ranges of presidency.

Comparing our findings with previous research exhibits each similarity and differences in leadership strategies and perceptions of technological development. For example, a observe Septiani et al. (2022) determined that transformational management positively influenced the adoption of e-authorities initiatives in neighborhood governments. Similarly, our have a look at highlights the good-sized position of transformational leadership in riding technological development in Makassar City governance. This consistency underscores the robustness of transformational leadership as a driving force of organizational change and innovation across one-of-a-kind contexts.

Our findings diverge from the ones of who discovered that transactional management became definitely associated with the adoption of statistics technology in public businesses. In our take a look at, transactional leadership received a relatively lower rating than transformational and visionary management. This discrepancy may be attributed to variations in organizational lifestyle, management styles, and contextual factors influencing generation adoption decisions. our have a look at's findings align with those of which emphasize the significance of leadership in driving technological advancement and governance innovation. Effective management is important for articulating a clean imaginative and prescient, mobilizing sources, and fostering a culture of innovation conducive to technological adoption and implementation. Therefore, policymakers and practitioners ought to prioritize leadership improvement initiatives to domesticate a cadre of visionary and transformational leaders able to steerage towns towards a more technologically advanced future.

CONCLUSION

This take a look at has supplied precious insights into the relationship among leadership strategies and technological advancement in Makassar City governance. Through the analysis of descriptive data, we have tested the demographic characteristics of the sample and explored respondents' perceptions of leadership techniques and technological development. The findings regarding the demographic profile of the pattern highlight the importance of gender range, intergenerational collaboration, and inclusive selection-making techniques in governance. While guys nevertheless outnumber girls in management roles, efforts to sell gender equality and youngsters participation are important for constructing more inclusive and representative governance systems. The analysis of leadership strategies underscores the giant position of transformational and visionary management in riding technological development. Transformational leaders inspire and encourage their fans to embrace alternate and innovation, even as visionary leaders articulate a compelling imaginative and prescient for the future and mobilize support for its awareness. These findings align with preceding studies emphasizing the superb effect of transformational management on organizational performance and innovation. Respondents' excessive perceptions of technological development highlight the growing popularity of technology's capacity to beautify governance approaches and improve service delivery. However, efforts to sell technological development ought to be observed by way of initiatives to cope with virtual divides, beautify virtual literacy, and foster a lifestyle of innovation across all stages of government.

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