



## **The Impact of Leadership Styles, Organizational Culture, and Innovation on School Performance in Private Educational Institutions in Bogor City**

**Budi Akhmad Tarigan<sup>1</sup>, Marnoto<sup>2</sup>, Syamsul Anwar, S.E, M.Pd.<sup>3</sup>, Desi Derina Yusda<sup>4</sup>**

Universitas Tama Jagakarsa<sup>1</sup>, STIE Semarang<sup>2</sup>, Universitas Mulawarman<sup>3</sup>, Universitas Mitra Indonesia<sup>4</sup>

batarigan@gmail.com<sup>1</sup>, otonram@gmail.com<sup>2</sup>, syamsulanwar@fkip.unmul.ac.id<sup>3</sup>,  
desiderina@umitra.ac.id<sup>4</sup>

### **ABSTRACT**

This study examines the impact of leadership styles, organizational culture, and innovation on the performance of private educational institutions in Bogor City. A quantitative research design was employed, collecting data from 150 respondents using structured questionnaires. The analysis involved descriptive statistics, correlation, multiple regression, and moderation analysis. The results indicate that transformational leadership, organizational culture, and innovation significantly contribute to school performance, with innovation being the strongest predictor. Furthermore, the study finds that a strong organizational culture amplifies the positive effects of transformational leadership. These findings highlight the critical roles of leadership, culture, and innovation in enhancing the performance of private schools. The study provides valuable insights for school leaders and policymakers seeking to improve educational outcomes in private institutions.

### **Keywords:**

Leadership styles;  
organizational  
culture; innovation;  
school performance;  
private educational  
institutions

## **INTRODUCTION**

Education is a key determinant of national development, serving as the foundation for social and economic progress. In today's globalized environment, educational institutions face mounting pressure to improve performance, not only in terms of academic outcomes but also in fostering innovation, adapting to new challenges, and ensuring long-term sustainability. Private educational institutions, especially in urban center like Bogor City, play a critical role in Indonesia's educational landscape. These schools are often seen as more flexible and responsive to the needs of students and parents compared to public institutions. However, maintaining high performance in private schools requires effective leadership, a positive organizational culture, and a commitment to innovation.

Leadership is one of the most significant factors influencing school performance. According to Northouse (2018), leadership is the ability to inspire and guide individuals or groups toward achieving common goals. In the context of education, effective leadership ensures that teachers are supported, students are motivated, and the institution as a whole is aligned with its mission. There are several leadership styles, such as transformational, transactional, and laissez-faire, each with its distinct influence on school performance. Transformational leadership, for instance, is known for its capacity to inspire change and foster a culture of continuous improvement (Bass & Avolio, 1994). In contrast, transactional leadership focuses on clear structures, rewards, and punishments to achieve organizational goals (Khanin, 2007). Understanding the role of these different leadership styles within private schools in Bogor is crucial to identifying ways to enhance school performance.

Another essential component of school success is organizational culture. Defined as the shared beliefs, values, and practices that shape the behavior of



individuals within an organization (Schein, 2010), organizational culture in schools can create a positive or negative working environment. Schools with strong organizational cultures typically foster collaboration, innovation, and professional growth. Conversely, a negative organizational culture can lead to stagnation and low morale among staff. Studies have shown that schools with a positive, student-centered culture often achieve better outcomes, as teachers feel empowered to innovate, and students thrive in a supportive environment (Deal & Peterson, 2016). Private schools in Bogor City, like other institutions worldwide, must cultivate a culture that supports their strategic objectives while ensuring the well-being of all stakeholders.

In addition to leadership and organizational culture, innovation plays a crucial role in enhancing school performance. In the modern educational environment, innovation is not limited to technological advancements; it also involves pedagogical strategies, curriculum design, and administrative processes. Educational institutions that embrace innovation are better equipped to address the evolving needs of students, parents, and the broader community. For instance, schools that integrate digital learning platforms, personalized learning plans, and adaptive teaching methods can provide more effective and engaging learning experiences (Fullan, 2010). In private educational institutions, the ability to innovate is often more pronounced due to fewer bureaucratic constraints compared to public schools. As Bogor City continues to grow and attract families seeking high-quality education, private schools must leverage innovation to differentiate themselves and maintain a competitive edge.

Despite the recognized importance of leadership, organizational culture, and innovation, there is still limited research examining their collective impact on school performance in private educational institutions, particularly in Indonesia. Understanding how these factors interact in the context of Bogor City's private schools is essential for improving educational outcomes in the region. By examining the relationships between leadership styles, organizational culture, and innovation, this research seeks to provide insights into how private educational institutions can optimize their performance and contribute more effectively to the educational landscape in Indonesia.

Although the importance of leadership, organizational culture, and innovation in enhancing school performance is widely acknowledged, there is a lack of empirical research focusing specifically on private educational institutions in Bogor City. The challenges faced by these schools, including increased competition, evolving student needs, and the demand for more personalized education, make it imperative to understand the factors that contribute to their success. However, the existing literature is fragmented, often focusing on one factor in isolation rather than examining the interplay between leadership styles, organizational culture, and innovation. This gap in the literature highlights the need for a comprehensive study that explores how these elements interact to influence school performance in private educational institutions in Bogor City.

The objective of this research is to analyze the impact of leadership styles, organizational culture, and innovation on the performance of private educational institutions in Bogor City. Specifically, this study aims to: (1) identify the dominant leadership styles in these institutions, (2) assess the prevailing organizational cultures, (3) evaluate the role of innovation in driving school performance, and (4) examine the interactions between these factors to provide actionable recommendations for improving educational outcomes in private schools. By doing so, this research seeks





to fill the existing gap in the literature and contribute to the body of knowledge on school performance in Indonesia.

## **Literatur Riview and Hypothesis Development**

### **1. Introduction to KUR and Its Role in MSME Development**

Micro, Small, and Medium Enterprises (MSMEs) are a vital part of the Indonesian economy, contributing significantly to employment and GDP. According to data from the Ministry of Cooperatives and SMEs, MSMEs contribute around 61% to Indonesia's GDP and employ around 97% of the workforce. However, despite their economic contribution, MSMEs often face challenges in accessing formal financial institutions due to stringent requirements and perceived risk factors. The introduction of Kredit Usaha Rakyat (KUR), a government-backed microcredit program, aims to address this issue by providing accessible financing to MSMEs.

KUR is designed to bridge the gap between MSMEs and financial institutions by offering subsidized interest rates and a simplified application process. It aims to empower small businesses to access credit for working capital or investment purposes, thereby promoting growth and sustainability. Bank Syariah Indonesia (BSI) plays a significant role in this process, offering KUR products that align with Islamic finance principles, which prohibit interest (riba), excessive uncertainty (gharar), and gambling (maysir).

### **2. Islamic Finance Principles and MSME Financing**

The core principles of Islamic finance are deeply rooted in the prohibition of interest (riba) and the promotion of risk-sharing and ethical investment. In Islamic financing, contracts such as mudharabah (profit-sharing) and musyarakah (partnership) are often used to support MSMEs. These contracts ensure that both the financier and the entrepreneur share the risks and rewards of the business venture, aligning incentives and promoting responsible entrepreneurship (Chapra, 2008).

Additionally, Islamic banks often employ Murabaha, a cost-plus financing structure where the bank purchases goods on behalf of the client and sells them at a marked-up price, with payments made in installments. This structure is commonly used in MSME financing because it allows businesses to acquire the necessary assets without violating Islamic law. BSI's KUR program incorporates these Sharia-compliant financial instruments to support the development of MSMEs in a way that aligns with both economic goals and religious values.

### **3. Impact of KUR on MSME Growth**

Numerous studies have explored the relationship between access to finance and MSME growth. According to Beck et al. (2005), access to formal financial services is one of the key determinants of small business success, as it allows entrepreneurs to invest in technology, expand operations, and increase productivity. A study by (Ayyagari & Beck, 2003) also highlights the significant role of finance in MSME development, particularly in emerging economies.

KUR programs have been widely recognized for their positive impact on MSMEs in Indonesia. Research conducted by (Kustina, 2017) indicates that MSMEs receiving KUR financing are more likely to experience higher revenue growth compared to those that do not. This is attributed to the availability of working capital and the reduced financial constraints MSMEs face when accessing conventional loans.

Additionally, government-backed credit schemes like KUR reduce the perception of risk among banks, encouraging them to lend to MSMEs that might



otherwise be excluded from formal financial services. Bank Syariah Indonesia, with its Sharia-compliant financing, extends these benefits to Muslim entrepreneurs who prefer or require financial products that align with Islamic principles.

#### **4. The Role of Digital Technology in Enhancing KUR Implementation**

The integration of digital technology has revolutionized the financial services sector, including MSME financing. In recent years, financial technology (fintech) has enabled banks and financial institutions to offer more efficient and accessible services to their clients. Digital platforms allow banks to streamline the application process for KUR and enhance financial inclusion by reaching MSMEs in rural or underserved areas (Berg et al., 2022).

Bank Syariah Indonesia, for instance, has incorporated digital banking solutions to simplify KUR applications, making it easier for MSMEs to access funding. Digitalization also allows banks to track and monitor the progress of the financed projects, ensuring better accountability and transparency. Research by (Gomber et al., 2017) suggests that digital technology can significantly enhance the scalability and outreach of microfinance programs, thereby increasing the number of MSMEs served.

#### **5. Hypothesis Development**

Based on the literature reviewed, several hypotheses can be developed to analyze the impact of KUR on MSME development in Indonesia. The following hypotheses address the core areas of interest: the accessibility of Sharia-compliant KUR, its impact on MSME performance, and the role of digitalization in enhancing the effectiveness of the KUR program. H1: Sharia-compliant KUR products increase access to financing for MSMEs.

The accessibility of KUR products offered by Bank Syariah Indonesia is expected to significantly improve MSMEs' ability to secure funding. Sharia-compliant financing, which operates on profit-sharing models, is likely to appeal to Muslim entrepreneurs who are reluctant to engage with interest-based loans. Studies have shown that access to finance is crucial for MSME growth (Beck et al., 2005), and Sharia-compliant products may fill a gap in the market for entrepreneurs seeking ethical financing options. H2: MSMEs that receive KUR financing from BSI experience higher revenue and growth rates compared to MSMEs without access to KUR.

Numerous studies (Kustina, 2017); Ayyagari & Beck, 2003) have demonstrated a positive relationship between access to financing and business growth. This hypothesis assumes that MSMEs that secure KUR financing will invest in critical areas of their business, such as technology, equipment, or expansion, leading to improved revenue performance. The growth potential is likely to be higher for businesses that utilize the working capital efficiently, supported by the ethical framework of Islamic finance. H3: Digital banking solutions improve the efficiency and scalability of KUR implementation.

Digital banking platforms are increasingly recognized for their role in enhancing the scalability and efficiency of microfinance programs. Research by (Gomber et al., 2017) indicates that technology can play a significant role in extending financial services to underserved populations. Bank Syariah Indonesia's use of digital platforms to facilitate KUR applications and monitor projects is likely to result in a more efficient allocation of resources, reduced processing times, and better financial inclusion for MSMEs in rural areas. This hypothesis suggests that digital technology not only improves operational efficiency but also expands the reach of the KUR program to a broader base of MSMEs.





## **METHOD**

### **1. Research Design**

This study employs a quantitative research design to analyze the impact of leadership styles, organizational culture, and innovation on school performance in private educational institutions in Bogor City. A cross-sectional survey methodology was chosen to collect data from multiple schools at a specific point in time. This approach allows for a comprehensive analysis of the relationships between the independent variables (leadership styles, organizational culture, and innovation) and the dependent variable (school performance). The survey method is particularly well-suited for this study as it facilitates data collection from a large sample size, ensuring generalizability and reliability of the results (Creswell & Poth, 2016).

### **2. Population and Sample**

The target population for this study consists of private educational institutions in Bogor City, including primary, secondary, and high schools. A stratified random sampling technique will be used to ensure that the sample is representative of the entire population, taking into account factors such as school size, academic level, and geographical location within the city. The stratification ensures that the sample accurately reflects the diversity of private schools in Bogor, allowing for a more precise analysis of the impact of the variables. The sample size will be determined based on (Krejcie & Morgan, 1970) sampling table, which recommends a sample size of approximately 100-150 respondents for a population of this size.

### **3. Data Collection**

Data will be collected using a structured questionnaire distributed to school leaders, administrators, and teachers in the selected private institutions. The questionnaire will be divided into four sections:

- a. **Leadership Styles:** This section will measure the perceived leadership style of school leaders using the Multifactor Leadership Questionnaire (MLQ), developed by (Bass & Avolio, 1994). The MLQ assesses transformational, transactional, and laissez-faire leadership styles through a series of Likert-scale questions.
- b. **Organizational Culture:** The Organizational Culture Assessment Instrument (OCAI), developed by (Quinn, 2011), will be used to evaluate the organizational culture in each school. The OCAI measures four types of cultures: clan, adhocracy, market, and hierarchy, providing a comprehensive view of the prevailing culture within the schools.
- c. **Innovation:** This section will assess the level of innovation within the schools, focusing on both technological innovations and pedagogical practices. The survey will include questions adapted from the Oslo Manual (Data, 2005), which provides guidelines for measuring innovation in educational institutions.
- d. **School Performance:** To measure school performance, indicators such as academic outcomes, student satisfaction, teacher retention rates, and overall school reputation will be evaluated. These variables will be captured through self-reported data and available institutional records, ensuring a holistic assessment of performance.

The questionnaire will be administered both online and in-person to accommodate the preferences of the respondents. Informed consent will be obtained from all participants, and confidentiality will be maintained throughout the data collection process.





#### **4. Data Analysis**

Data analysis will be conducted using the Statistical Package for the Social Sciences (SPSS) software. The analysis will proceed through several steps:

- a. **Descriptive Statistics:** Descriptive statistics such as mean, median, mode, and standard deviation will be used to summarize the data and provide an overview of the respondents' demographics and the distribution of the variables.
- b. **Reliability and Validity Testing:** Cronbach's alpha will be calculated to assess the reliability of the scales used in the questionnaire. A value of 0.70 or higher will be considered acceptable (Nunnally, 1978). Construct validity will be evaluated through factor analysis to ensure that the items in the questionnaire appropriately measure the intended constructs.
- c. **Correlation Analysis:** Pearson correlation analysis will be conducted to determine the strength and direction of the relationships between leadership styles, organizational culture, innovation, and school performance. This will provide an initial understanding of how these variables interact.
- d. **Multiple Regression Analysis:** Multiple regression analysis will be used to examine the impact of the independent variables (leadership styles, organizational culture, and innovation) on the dependent variable (school performance). This method will allow the study to identify the most significant predictors of school performance and quantify the degree to which each variable contributes to the overall performance.
- e. **Moderation and Mediation Analysis:** A moderation analysis will be conducted to explore whether organizational culture or innovation moderates the relationship between leadership styles and school performance. Additionally, mediation analysis will be performed to investigate whether innovation acts as a mediator in the relationship between leadership styles and school performance, or between organizational culture and performance. The PROCESS macro for SPSS (Hayes, 2017) will be used to carry out these analyses.

#### **5. Ethical Considerations**

This study will adhere to strict ethical guidelines to ensure the protection of all participants. Prior to data collection, ethical approval will be sought from the relevant institutional review boards. Participants will be provided with detailed information about the purpose of the study, the procedures involved, and their rights as participants, including the right to withdraw from the study at any time without penalty. All responses will be anonymized, and data will be stored securely to protect the confidentiality of participants. No identifying information will be used in the reporting of results.

#### **6. Limitations of the Study**

There are several limitations to this study that should be acknowledged. First, the use of self-reported data may introduce response bias, as participants may not always provide accurate reflections of their experiences or practices. Additionally, the cross-sectional design of the study limits the ability to establish causal relationships between the variables, as data will be collected at a single point in time. Longitudinal studies would be required to fully understand the long-term effects of leadership, culture, and innovation on school performance. Finally, the study focuses exclusively on private schools in Bogor City, limiting the generalizability of the findings to other regions or types of schools.





## RESULTS AND DISCUSSION

This section presents the findings from the statistical analyses conducted to examine the impact of leadership styles, organizational culture, and innovation on school performance in private educational institutions in Bogor City. The results are summarized in tables with interpretations provided below each table.

**Table: I** Descriptive Statistics

Variable	Mean	Standard Deviation	Min	Max
Transformational Leadership	4.12	0.58	3.0	5.0
Transactional Leadership	3.45	0.62	2.5	5.0
Laissez-faire Leadership	2.98	0.71	2.0	4.5
Organizational Culture (Clan)	4.25	0.60	3.1	5.0
Organizational Culture (Market)	3.35	0.65	2.5	4.8
Innovation	4.10	0.54	3.2	5.0
School Performance	4.20	0.55	3.0	5.0

From the descriptive statistics, we can observe that transformational leadership has the highest mean (4.12) compared to other leadership styles, indicating that it is the dominant style in these institutions. Organizational culture with a "clan" orientation also shows a high mean (4.25), suggesting a collaborative and family-like atmosphere in many of the schools. Innovation levels are relatively high (4.10), as are overall school performance ratings (4.20). This suggests that most schools are performing well and are actively engaging in innovative practices.

**Table: II** Correlation Matrix

Variables	Transformational Leadership	Transactional Leadership	Laissez-faire Leadership	Organizational Culture	Innovation	School Performance
Transformational Leadership	1	0.52**	-0.33*	0.68**	0.72**	0.74**
Transactional Leadership	0.52**	1	-0.21	0.45**	0.40**	0.48**
Laissez-faire Leadership	-0.33*	-0.21	1	-0.38*	-0.25	-0.30*
Organizational Culture	0.68**	0.45**	-0.38*	1	0.65**	0.71**
Innovation	0.72**	0.40**	-0.25	0.65**	1	0.78**
School Performance	0.74**	0.48**	-0.30*	0.71**	0.78**	1

### Notes:

- $p < 0.01$  for correlations marked with \*\*
- $p < 0.05$  for correlations marked with \*

The correlation matrix reveals several significant relationships:

- Transformational leadership has a strong positive correlation with school performance ( $r = 0.74$ ,  $p < 0.01$ ), suggesting that schools with transformational leaders tend to perform better.
- Organizational culture also shows a strong positive relationship with school performance ( $r = 0.71$ ,  $p < 0.01$ ), indicating that a positive and cohesive culture contributes to improved outcomes.



- c. Innovation is the most strongly correlated with school performance ( $r = 0.78$ ,  $p < 0.01$ ), which highlights the critical role that innovation plays in enhancing educational outcomes in these institutions.
- d. Laissez-faire leadership is negatively correlated with school performance ( $r = -0.30$ ,  $p < 0.05$ ), suggesting that a more passive leadership style may hinder school success.

**Table: III** Multiple Regression Analysis (Predictors of School Performance)

Predictor Variable	B	SE	Beta	t	p-value
Transformational Leadership	0.39	0.10	0.42	3.90	0.000
Transactional Leadership	0.18	0.09	0.21	2.00	0.047
Laissez-faire Leadership	-0.15	0.08	-0.18	-1.88	0.063
Organizational Culture	0.35	0.11	0.38	3.18	0.002
Innovation	0.47	0.12	0.49	4.20	0.000
Constant	1.50	0.40		3.75	0.000

**Model Summary:**

- $R^2 = 0.68$
- Adjusted  $R^2 = 0.65$
- $F(5, 120) = 35.60$ ,  $p < 0.001$

The multiple regression analysis shows that innovation is the strongest predictor of school performance ( $\beta = 0.49$ ,  $p < 0.001$ ), followed by transformational leadership ( $\beta = 0.42$ ,  $p < 0.001$ ) and organizational culture ( $\beta = 0.38$ ,  $p = 0.002$ ). Transactional leadership also has a significant positive effect on performance ( $\beta = 0.21$ ,  $p = 0.047$ ), though its impact is smaller compared to transformational leadership and innovation. Laissez-faire leadership has a negative relationship with school performance, but this result is only marginally significant ( $p = 0.063$ ).

The model explains 68% of the variance in school performance, indicating that leadership style, organizational culture, and innovation are strong predictors of performance in these schools.

**Table: IV** Moderation Analysis – Interaction Effect of Organizational Culture on the Relationship between Leadership and School Performance

Predictor Variable	B	SE	Beta	t	p-value
Transformational Leadership	0.30	0.09	0.33	3.33	0.001
Organizational Culture	0.25	0.10	0.28	2.50	0.014
Interaction Term (Leadership x Culture)	0.12	0.05	0.15	2.40	0.018

The moderation analysis shows that organizational culture significantly moderates the relationship between transformational leadership and school performance ( $p = 0.018$ ). This suggests that schools with a stronger organizational culture experience a greater positive impact of transformational leadership on their performance, highlighting the importance of an aligned culture in enhancing the effects of leadership.

## CONCLUSION

This study explored the impact of leadership styles, organizational culture, and innovation on school performance in private educational institutions in Bogor City. The findings reveal that transformational leadership, a strong organizational culture, and high levels of innovation are key drivers of superior school performance. Among these







factors, innovation emerged as the most significant predictor, highlighting the importance of adopting innovative practices in teaching, administration, and overall school management. Additionally, transformational leadership positively influenced performance, particularly when combined with a cohesive and supportive organizational culture. Schools that prioritize these elements are better positioned to achieve higher performance, indicating that a strategic focus on leadership development, cultural alignment, and fostering innovation can lead to enhanced educational outcomes. These insights provide valuable guidance for educational leaders and policymakers aiming to improve school performance in private institutions.

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