

Leadership capabilities and organizational culture on the agility of low-cost Islamic education organization

Laksmi Mayesti Wijayanti^{1,*}, John Tampil Purba¹, Evo Sampetua Hariandja¹, Rosdiana Sijabat²

¹ Pelita Harapan University of Indonesia, Banten 15811, Indonesia

² Atma Jaya Catholic University of Indonesia, Jakarta 12930, Indonesia

* Corresponding author: Laksmi Mayesti Wijayanti, miss_laksmi@yahoo.com

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Abstract: Islamic based low-cost private school facing a suffer from a lack of new students due to the incapability to adapt to current condition. They are already “lost in the competition” with other school. This quality also includes the inability of the low-cost private schools to adapt with technology and change. Another finding is that low-cost private schools struggling in managing the funding and management. Low-cost private high school has become a key support in ensuring the fulfilment 12-year compulsory education stated by Indonesian Education Law. With only 40 percent of the total population able to attend public schools, the government as well as the private sector needs to accommodate affordable private schools to meet the need of high schools in Jakarta. Low-cost private schools become essential in providing the gap between the need of schools from the total population of students and the availability of the public school. The previous study highlighted organizational agility with the mediation of Islamic Work Ethic can be achieved through leadership capability and organizational culture, whilst several studies also suggest that Islamic Work Ethics or Istiqamah have no impact in promoting organizational agility. This research conducted in 2022–2023 encompassed 133 low-cost private high school in Jakarta in which all of them are Islamic low-cost private high school. The finding of this study is that school principal leadership capabilities and school culture are positively affect school agility with Istiqamah as mediated variable.

Keywords: leadership capabilities; organisational culture; Istiqamah; organisational agility; low-cost private school; Islamic work ethics

1. Introduction

Indonesia Constitution Law or Undang-Undang Dasar Republik Indonesia 1945 (UUD 1945) have stated that it is the right of every Indonesian citizen to gain education (UUD 1945 article 31 paragraph 1) and every citizen is obliged to attend basic education and the government is obliged to pay for it (UUD 1945 article 31 paragraph 2) (Lubis et al., 2019).

This commitment is further aligned with Indonesia National Education System Law in the year 2003 or Undang Undang Sistem Pendidikan Nasional (UU Sisdiknas). The government committed to implement the 12 years compulsory education from elementary school to high school. According to article 20 UU Sisdiknas of 2003 it is obligated for the government to provide service and facilities, the government is also responsible of ensuring equal distribution of education quality without discrimination (Saputra, 2018).

The education budget has been increased since the introduction of UU Sisdiknas in 2003. According to the calculations, the 20% mark will be reached in

2009. The entire State Budget or Anggaran Pendapatan dan Belanja Negara (APBN) in central, 20% of provincial budget or Anggaran Pendapatan dan Belanja Daerah (APBD), and 20% in APBD County town are used in the computation and technical specifics of the 20% national education budget (Saputra, 2018). The challenge is ensuring the allocation of the budget can reach all citizens and cover all the aspects of the educational system (Saputra, 2018).

Even with 20 percent of the state funding budget, the government has limited capability in providing public schools, particularly high schools. By providing possibilities for students who were unable to attend in public schools, private schools have extended access to basic education (Stern and Smith, 2016). The role of private schools, particularly the low-cost private high schools has provided key support in providing education for low-income households.

According to Imam Parikesit the head of Consultative Board of Private Education or Badan Musyawarah Perguruan Swasta (BMPS), the Profiling schools of private education consist of 10 percent of high-cost private schools, nearly 30 percent are middle cost private schools and 60 percent of the private schools are low cost private schools. This data has displayed that low-cost private schools become crucial in providing the gap (Fitriana Monica Sari, 2021).

Unfortunately, according to Barakat et al. (2014) the quality of Indonesian low cost private schools are far from the public schools. This quality includes the capability of the low cost private schools to adapt with technology and change.

Private schools suffer from a lack of new students because they are already “lost in the competition” with favourite schools that also require a high tuition fee. These schools “failed” in becoming the so-called favourite school (Martono et al., 2020). Competition in gaining new students encourages schools to utilize different strategies in order to label themselves as their favourite school. This strategy requires high capital therefore it drives schools to increase the tuition fee. In other word the competition seems to legalize high cost educational system (Martono et al., 2020).

In order to survive in such volatile environments, low cost private schools must develop capabilities to detect environmental changes early and to offer accurate responses to them, gaining new opportunities and competitive advantages to exploit. In this context, the concept of organizational agility (OA) appears as one of the key issues that are attracting the attention of researchers and practitioners.

Organizational agility is an organizational ability to recognize unexpected changes in the environment and appropriately respond in a swift and efficient manner, by utilizing and reconfiguring internal resources, thus gaining competitive advantage in a fast changing environment (Žitkienė and Deksnys, 2018). To survive and sustain in the era of VUCA, organizations need to be agile in order to deliver on their change plans and stay highly competitive in their markets. Burns (2005) found that an essential way to stay competitive is an organization’s capacity to transform itself.

The importance of agility is also relevant for school (Omidvar et al., 2021). The Educational systems are facing a transformation process that includes not only changes in their methodologies and techniques, but deep evolution of teachers’ mindsets and social perceptions. The need for a dynamic, flexible, and open learning environment for every child is creating the necessity of more complex but enriched

principles for teaching and learning.

Low cost private schools as a critical support in education need agility to be able to adapt and survive in generating students as well as providing a good learning quality. Resilience of the leadership capabilities develop into a vital variable in transforming low cost private school to be an agile organization. Furthermore, this study is envisaged to complement the existing research on this field as it will provide a unique setting of research within the low cost private school in which the low cost private school as an unit analysis in this study is the one who has Istiqamah as a part of Islamic values and work ethic as the vision and mission in the school.

Istiqamah become an essential values and variable in supporting the resilience of the leadership capabilities in creating culture and agility in organization. In a school setting where values and culture established by the capabilities of the leaders. Istiqomah emerge as a key variable in mediating the leaders capabilities and the ability of the school of being an agile organization. Istiqamah as a novelty in this research is argued to be a successful mediating variable in examining the resilience of the leadership capability in determining school culture and school agility.

This study is concerned with the challenges encountered by low-cost private schools in Jakarta. The purpose of this quantitative study is to identify how leadership capabilities and organizational culture influence organizational agility.

This research will provide a significance contribution in the academic and literature of the school management field. School leaders will have a clear recommendation in building a school culture and transforming their schools into agile organizations. The resilience of the leadership capability will become an independent factor in determining the school culture and school agility. School leaders need to develop the value of Istiqomah in building school culture and strengthen their resiliency in the leadership capabilities to transform their school to be an agile organization.

The value of Istiqamah plays an important role in mediating resilience leadership with the school culture. As the leaders have a strong stance of goals and consistently pursuing the purpose, school will have the capability to drive the changes and become agile in facing unprecedented event.

This research will fill the gaps in the academic literature of how religious values and work ethics strengthen organizational values and culture. In Indonesia's educational setting where religion, culture, norms and values are the core of the curriculums and students character building. This research provides path for further research to examine the aforementioned significant element in reinforcing the school management system.

Secondly, this research will provide practical recommendation for the policy maker, this includes for Indonesian educational policy makers and schools' foundation to survive and transform the low cost private high school by encouraging agility and implementing resilience leadership capabilities.

2. Literature review

Previous research has demonstrated that leadership capability has both direct and indirect effect on organizational agility (Baharin et al., 2021; Bell and Hofmeyr,

2021; Scott et al., 2008) whilst another researcher namely (Stamm, 2009) Argue that leadership capability does not show any impact on organizational agility (Zheng et al., 2019). This chapter will also explain the two main theories of leadership and organizational agility. Organizational culture as an independent variable are supported by past and recent research (Cameron and Quinn, 1999; Felipe et al., 2017; Khalid et al., 2020). Istiqamah a new variable will also be exposed as a mediating variable highlighting how religious value is aligning with organizational value (Abbas Ali, 2010; Al-Shamali et al., 2021; Ozkan, 2020).

The previous studies have repeatedly identified how unsure learning and teaching leaders are about what they might best do to lead in such a context and ensure that essential change takes hold sustainably and consistently in daily practice. It argued that effective leaders should work with, learn from and respond to changing circumstances (Scott et al., 2008). In order to become effective leaders, ones are required to mix both the competency and capability perspectives on leadership. It emphasizes that possessing a high level of skill and knowledge about how school operates or what makes for a productive approach to learning and teaching is necessary but is not sufficient for effective leadership in higher education.

Organization Culture definition is built on shared assumption (Nikpour, 2017). It's a pattern of belief, values and norm to overcome challenges effectively based on experience and historical events. In other word organizational culture is a representation of collective values, beliefs and principles from the members of the organization.

The work of Abbas 1988 on Islamic work ethic provides evidence that religious value positively and significantly influences economic achievement in the Arab state. The work of Abbas 1988 has become the main reference for many scholar in developing the relation between Islamic work ethic in both economic and management field (B. Javed et al., 2017; Hamzah et al., 2021; Jufrizen, 2018).

According to Abbas 1988 one of the dimensions that important in Islamic work ethic is Istiqamah. Definition of Istiqamah according to Al Quran Surah Al Fusilat (41) verses 30–31 Surely, those who have declared: “Our Lord is Allah”, then remained steadfast, on them the angels will descend, saying, “Do not fear, and do not grieve; and be happy with the good news of the Jannah (Paradise) that you had been promised. We have been your friends in the worldly life, and (will remain as such) in the Hereafter. And for you here is whatever your souls desire, and for you here is whatever you call for.

Organizational agility is a company's firm's ability to anticipate, sense, and respond to volatility in its markets in ways that create competitive advantage. More specifically, in today's frequent uncertain circumstances, it can be said that agility can act as a remarkably prevailing tool concerning all categories and scopes of enterprises with the aim of attaining organizational competitiveness (Saha et al., 2016, 2017). McKinsey and Company define organizational agility as an ability for an organization to renew itself, adapt, change quickly, and succeed in a rapidly changing, ambiguous, turbulent environment. Agility is not incompatible with stability—agility requires stability.

The importance of agility is also relevant for school (Omidvar et al., 2021). The Educational systems are facing a transformation process that includes not only

changes in their methodologies and techniques, but deep evolution of teachers' mindsets and social perceptions. The need for a dynamic, flexible, and open learning environment for every child is creating the necessity of more complex but enriched principles for teaching and learning. The Agile Manifesto describes a mindset to be applied to the creative development of software. Educational agility can be seen as the application in the school context of the strategies, principles, and values that agile thinking has brought to software development (Yusuf et al., 1999a).

Some researchers argue that many indicators demonstrate traditional sequences that implement in the educational field are unsuitable to adapt to the challenges therefore more global competencies and skills are very much needed to integrate both humanism and technology (Marope et al., 2017). There are increasing numbers of experts who agree with the urgency of developing a new approach towards the new situation called the "age of agility" (Shah, 2021). Agile approach to teaching and learning in the 21st century education system should feature flexibility and demonstrate a structure that adapts with multiple choices. In order to comply with personalized learning that is a growing paradigm in the modern environment. The development of agile education is still at the early stage. This development is an action to encounter challenges in modern societies impacted by the evolving and changing of the school because of technology (Gupta and Bharadwaj, 2013).

3. Research gap

Evaluating and determining the need for strong intervention for schools that are "failing" in competition is the key object in Turnaround Leadership. Leaders' capabilities play a significant role in leading the change management in school. Leaders need to build a strategy in developing capacity building and consistently improve the low performing school (Fullan, 2002). This research lays a prominent foundation in giving empirical evidence that leadership capabilities can have a positive impact on sustainability and in this case organizational agility. When implemented in higher education in Australia, leadership capabilities also give positive impact in organizational change (Scott et al., 2008).

On the contrary, other findings demonstrated that leadership capabilities framework still has major limitations, it is argued that the framework seems theoretical and not practical (Stamm, 2009). Another criticism about the framework is that the framework could be modified and it is suggested to explore the analysis outside higher education (Ghasemy et al., 2016). Recent studies supporting leadership capabilities have positive impact to organizational agility range in different field namely health sciences institute (Chavan, 2019) secondary school in Kenya (Muthoni and Awuor, 2019) higher education in Makerere University (Kabugo, 2019) middle school in Guangdong China (Hung et al., 2022).

Another research gap is identified within the leadership capabilities construct. It is argued that intrapersonal capabilities variables namely self-efficacy are not reflected in supporting the performance therefore it does not have positive correlation to organizational agility (Santos and Garcia, 2020).

Research position table below elaborates the associations among variables, in which several studies show significant correlations whilst others' findings are not.

Therefore, it provides a room for further study to signify similar variables in different settings (**Table 1**).

Table 1. Research position.

| Author | Title | Research Finding | Identified Research Gap [U3] |
|--------------------------------|--|---|--|
| Leadership Capabilities | | | |
| Scott, et al. (2008) | Academic Leadership Capabilities for Australian Higher Education | The study has validated empirically that leadership capability give positive impact to organizational change | The research focuses on higher education, it allows opportunity for further research in schools |
| Fullan (2005) | Turnaround Leadership | Turnaround leadership concerns the kind of leadership needed for turning around a persistently low-performing school to one that is performing acceptably as measured by student achievement | It must be driven by an explicit commitment to moral purpose, including raising the bar and closing the gap of student learning. This research argue that leadership capabilities drives sustainability |
| Stamm (2009) | Turnaround Leadership for Higher Education | Personal Capabilities: self-regulation, decisiveness, and commitment Interpersonal Capabilities: influencing and emphasizing Cognitive Capabilities: diagnoses, strategy, and flexibility and responsiveness. | The leadership capabilities framework is theoretical and somewhat ironic because the key recommendation is for practical reasoning. Fullan and Scott do not differentiate institutions by mission, size, range of programs, or public or private status |
| Hussin and Daud (2016) | Academic leadership capability framework: a comparison of its compatibility and applicability in Australia, New Zealand, and Malaysia | This analysis revealed interesting similarities and differences among academic leaders within the three countries which can be used as a base for further policy making, and characterizing effective leadership in higher education | The framework could be modified and upgraded according to cultural context. The study suggested to explore the analysis outside higher education on capabilities, competencies, and performance in different countries |
| Chavan (2019) | Perceived Notions of Academic Leaders about Leadership Capabilities for effective performance of Health Sciences Institutes | The academic leaders of the health sciences institutes have better understanding about the leadership capabilities required for effective performance of health sciences institutions | This study argued that leadership capabilities is the key drivers for effective performance |
| Kabugo (2019) | Acquiring Digital Education Leadership Capabilities through Heutagogy: A Case of C-DELTA Implementation at Makerere University | Results of the study showed that the proposed platform enabled a heutagogical approach by allowing educators to self-direct and determine their learning path and by enabling them to take an active rather than passive role in acquiring Digital Educational Learning skills | Self-determined learning (heutagogy) has a lot of potential, which remains under researched and underexploited |
| Xie et al. (2020) | The Development Of A Professional Learning Community Model For Enhancing The Instructional Leadership Capabilities Of Middle School Teachers In Maoming, Guangdong Province Of China | The main purpose of this study was to develop a model of Professional Learning Community for enhancing instructional capabilities of school teachers | There is a gap between the desirable and current instructional leadership capabilities of teachers, principals' support was insufficient, and the professional learning communities were not working as well as expected |
| Bafadal et al. (2020) | The use of conventional communication technology as an effective principal leadership strategy in strengthening the role of multi-stakeholder forum for school quality improvement | The success of the principal is influenced by the principal's leadership capability and skill in utilizing conventional communication technology in the form of direct face-to-face communication; the school principal's capability and skill in utilizing conventional face-to-face communication technology can increase community participation to jointly advance school quality | Limited study regarding the leadership capabilities skills in school setting particularly in remote areas in which the element of local wisdom and community involvement are high |
| Santos and Garcia (2020) | Perceptions of Neust Instructors, Deans and Directors toward Leadership Capabilities | Academic deans/directors have high regard among themselves to be outstanding in their leadership capabilities. This implies that they were confident enough in their leadership capabilities | Self-efficacy concept was not reflected in their performance which led the instructors to give them low ratings |
| Muthoni and Awuor (2019) | The Role of Strategic Leadership on Academic Performance of Secondary Schools in Kenya: A Case Study of Nakuru County | This study established that stakeholder management is a significantly predictor of academic performance of secondary schools | Discipline levels management, resources mobilization and strategy execution were not significant predictors of academic performance of secondary schools |

Table 1. (Continued).

| Author | Title | Research Finding | Identified Research Gap [U3] |
|--|---|--|--|
| Organization Culture | | | |
| Felipe et al. (2017) | Impact of Organizational Culture Values on Organizational Agility | The result finding stresses the positive influence that adhocracy, clan and hierarchy culture exert on Organizational culture | The adhocracy culture, due to its lack of bureaucratization and complexity, enables the organization to be flexible and to rapidly reconfigure resources and processes |
| Carvalho et al. (2017) | Operational excellence, organizational culture and agility: the missing link? | This research emphasizes the literature review and positive relationship between operational excellence organizational culture and organizational agility | Leadership as a part of key essential element of organization that drives the organization |
| Commitment to Moral Purpose (Istiqamah) | | | |
| Fullan (2005) | Leading in a culture of change | This research highlights the need of leaders to understand the change process. Moral purpose without an understanding of change will lead to moral martyrdom | Leaders who combine a commitment to moral purpose with a healthy respect for the complexities of the change process not only will be more successful but also will unearth deeper moral purpose |
| Bezzina and Tuana (2011) | From awareness to action: Some thoughts on engaging moral purpose in educational leadership | This research argue that leaders need a sense of their own role as an influential player in this domain (moral potency) reflected in their sense of a capacity to act in ways that make a difference; their ownership of, and commitment to moral purpose | This research demonstrated leaders capability have an impact to organizational change with the help of commitment to moral purpose |
| Wijayanti et al. (2020) | Teachers' empowerment, self-regulation and being Istiqomah as key features of job performance | This research introduces a new construct namely Istiqamah as a key driver in determining job performance. This means the values of Istiqamah are applied in the human management setting. | Istiqamah as a mediator never been use particularly in educational setting |
| Organization Agility | | | |
| Ngcamu (2020) | Transformation through the lens of leadership capabilities in South African universities | This study ascertains university leaders' knowledgeability of factors and their understanding of change initiatives could drive and achieve universities' transformation agenda. The leadership traits, cognitive abilities, and qualities can also influence transforming universities | The results suggest that the university leaders understand their institutional transformation agendas although the freedom of speech and open debates are not promoted and that leaders are not good listeners |
| Sharifi and Zhang (2000) | Agile manufacturing in practice Application of a methodology | For practitioners, the proposed methodology provides a basis for assessing their business situations and a guideline for recognizing missing capabilities and building up strategic policies in pursuit of agile manufacturing | Research regarding organizational agility in the manufacturing industry has provided opportunity in exploration for the other field |
| Yusuf et al. (1999) | Agile manufacturing: The drivers, concepts and attributes | This research lays a solid foundation in organizational agility. | The organizational agility limited only in manufacturing company |
| Gupta and Bharadwaj (2013) | Agility in business school education through richness and reach: a conceptual model | The authors' conceptual model consists of three sub-paradigms derived from the theories. The three dimensions together enable this study to understand and propose a new model for business schools, which would have the objective of producing more graduates with entrepreneurial agility | More research is needed to assess the effectiveness of various teaching and learning techniques. Multivariate analysis would be helpful in determining the multitude of effects on learning that can occur within a business school environment |
| Ozgenel and Yazici (2021) | Learning Agility of School Administrators: An Empirical Investigation | Higher levels of learning agility in school principals contribute to their knowledge and skills and support them to be successful and effective managers and leaders | According to the findings, it was determined that school principals interact with more people than deputy principals, are open to innovations willing to change, and have high problem-solving skills. On the other hand, there was no significant difference in managing turmoil and uncertainty and discovering themselves according to their job status |

Table 1. (Continued).

| Author | Title | Research Finding | Identified Research Gap [U3] |
|---------------------------|--|---|--|
| Eghbal and Hoveida (2021) | Organizational agility in public and private schools | In achieving Better Organizational agility, quality of educational and fundamental services should be increased and the reduction of costs, internal satisfaction of the students should be considered in the face of rapid changes in the education system and training time associated with changes in the education system | In the case of speed and flexibility no significant difference in average was found |
| Joiner (2019) | Leadership Agility for Organizational Agility | Research on levels of agility in the 'leadership culture' shows that companies with Achiever /Catalyst leadership cultures outperform those with Expert/ Achiever cultures and create greater value for their stakeholders | Only about 10 percent of current managers have the ability to operate reliably as Catalyst leaders, the level that is most effective in a turbulent business environment |

4. Research method

The purpose of this quantitative study is to find the relationship between independent variable (Leadership Capabilities and Organizational Culture) and dependent variable (Organizational Agility) with mediating variable (Istiqamah). Organizational Agility is a new framework in the educational field. This study intended to explore the idea of:

- 1) The relationship between personal capabilities and Istiqamah
- 2) The relationship between cognitive capabilities and Istiqamah
- 3) The relationship between role specific capabilities and Istiqamah
- 4) The relationship between clan culture and Istiqamah
- 5) The relationship between adhocracy culture and Istiqamah
- 6) The relationship between market culture and Istiqamah
- 7) The relationship between personal capabilities and organizational agility
- 8) The relationship between cognitive capabilities and organizational agility
- 9) The relationship between role specific capabilities and organizational agility
- 10) The relationship between clan culture and organizational agility
- 11) The relationship between adhocracy culture and organizational agility
- 12) The relationship between market culture and organizational agility
- 13) The relationship between personal capabilities and organizational culture toward organizational agility with Istiqomah as mediator

The participants of the study are leaders of private schools who are aware of the needs of adapting and adjusting to sudden change. The questionnaires will be delivered through google form with introductory and explanation.

5. Preliminary study

Initial study took place in two low cost private high schools in Koja Jakarta Utara. The reason in choosing Koja as a preliminary study refer to previous research from Center for Indonesian Policy. This research argued that among all areas in Jakarta, Koja have more private schools than public school and more than 60% of the private school are low cost private schools (Wikaningtyas, 2017).

Two schools for these preliminary studies are SMA Al Khairiyah and SMA Al Muhajirin. The interview is taken with school principal. This align with the study of Barakat and EPPI-Centre (2014) that stated the best representation in managing the low cost private school is in the school leaders.

Al Khairiyah principal male, 38 years and have been in the position for more than 5 years stated that he is involve in all of the school activities “I always involved in all of the school activities and ensure all the plan are well executed”.

The needs of shifting into more agile and adaptive school have been in discussion within the school management as well as the schools’ foundation’s leaders. “We need to act immediately if we do not want to loose students” said Al Khairiyah principal. “The threats are real, the popularity of public school is mounting and private school are in fight to search for the students, wo do not lose hope because we always know that our part is crucial but we need to take action”. The elaboration of his statement is in accordance with the study conducted by

Özdemir (2023). The relationship between school agility relies on the ability of the leaders in the urgency to identify threats and formulating an innovative action.

He is the second generation of the school owner, he took the role wholeheartedly and equip himself for the role “I took master degree in Education in preparation for the role of principal in this school”. He also added that he is eager to learn new things and innovate “I really like to learn new technology and implement it in my school”. He determined to focus on the job and perform well as headmaster “In life we need to focus to what we are doing”.

He weighed more on his spiritual belief in reflecting his achievement. He stated “What more important in doing our job is value, how Islamic value of Istiqomah. This statement aligning with the works from Haron et al. (2020) that Istiqamah means a consistent mindset and resilient in performing strong professionalism and morally upright.

He realizes in managing low-cost private high school there are more complex problems such as convincing the students that the school is as good or even better than the public school “In this area (Koja district) low-cost private school are very important, with the level of the social economical demographic we (low-cost private high school) are the backbone of the education. If we could not keep up with the innovation, we will lose the students not only to public schools but more sadly to dropouts”. Innovative and adaptability to the new digital and technological era are inevitable “We have to shift early and learn fast to be able to exist”.

The pandemic indeed forced the school to adapt and encourages innovation harder. With consistency and Istiqomah Al Khairiyah manages to maintain all 10 classes are full of students and keep all the extracurricular running during the pandemic.

He believed that innovation will save the school from the bigger loss “We need to implement new things, to innovate”. The list of innovation in order to adapt and stay relevant with IT and technological environment are namely: The school introduces multimedia-based students’ development, Implementation of online learning with school counsellor as a learning companion, Istiqomah in the implementation and this include memorising Al Quran verses and lastly Digital-based management system.

The characteristic from low cost private high school is that 90% of the financing are from the government. They used BOS (Bantuan Operasional Sekolah) in which Indonesian government provide to support school operation (budget from APBN). They also receive BOP (Biaya Operasional Pendidikan) from the state government. They also have students who receive KJP (Kartu Jakarta Pintar). All the government financing enables the school to promote innovation and drive the school culture as an innovative culture.

The result of the of the second interview strengthen the data from the first interview. The school leader of Al Muhajirin, Male, 45 years old. He started the innovation journey from SMA Al Muhajirin started when he began in the position of school principal, he encountered challenges of low admission from a new student in his school. On top of that he also identified that there is a mismanagement in financing the school programs.

Throughout the interview the principal expressed confidence and sense of

achievement in explaining the school journey. He explained that the religious value is the critical component in driving the change in the school “For me the approach should start with religious approach. The duty we have here should go beyond completing task, rather it should be a part of a mission we live in this world”. He also shed tears when explaining about the managing financial operation. He stated that this is a mandate. “This (managing finance including from government fund) is a heavy mandate, therefore we need to be really focus and careful”. This statement aligned with the characteristic of the unit analysis of school leader that portraying leadership capabilities using Istiqomah as a work ethic to create change in the organization (Amaliasita, 2023).

With the resource and support from government, parents, school owner and foundation he believed that even low cost private school can strive to excellence. “There are no reasons we are equal with the public school, in our school we have multimedia room and broadcasting room for the students. We now have school tv channel and we intended to upgraded next year”. Optimism also clearly shown during the interview.

In summary, the preliminary study supported the previous research (Amaliasita, 2023; Kamaluddin et al., 2010; Nasution and Rafiki, 2019) and provide a strong foundation to conduct quantitative research.

Following the preliminary study, the data collection using survey was include 133 low cost private high school principals in Jakarta covering 5 area of Jakarta Utara, Jakarta Selatan, Jakarta Timur, Jakarta Barat and Jakarta Pusat. This is the total population of the low cost private school in Jakarta. Unit analysis for this study is school, therefore school leaders will be invited to participate in this research namely: School Principal, School Vice Principal, School Coordinator. Data from three school leaders will be averaged to avoid bias and validate the representation of the unit analysis. The use of variable Istiqamah in this study resulted in choosing only low cost private schools that have Istiqamah value in their vision and mission.

The participants of the study are leaders of private schools who are aware of the needs of adapting and adjusting to sudden change. The questionnaires will be delivered through google form with introductory and explanation.

6. Result and discussion

The assessment of model fit is a critical aspect of structural equation modeling (SEM), providing insights into the compatibility of the proposed model with the observed data. Model fit indices offer quantitative measures of the extent to which the model represents the relationships among the variables as presented in **Figure 1**.

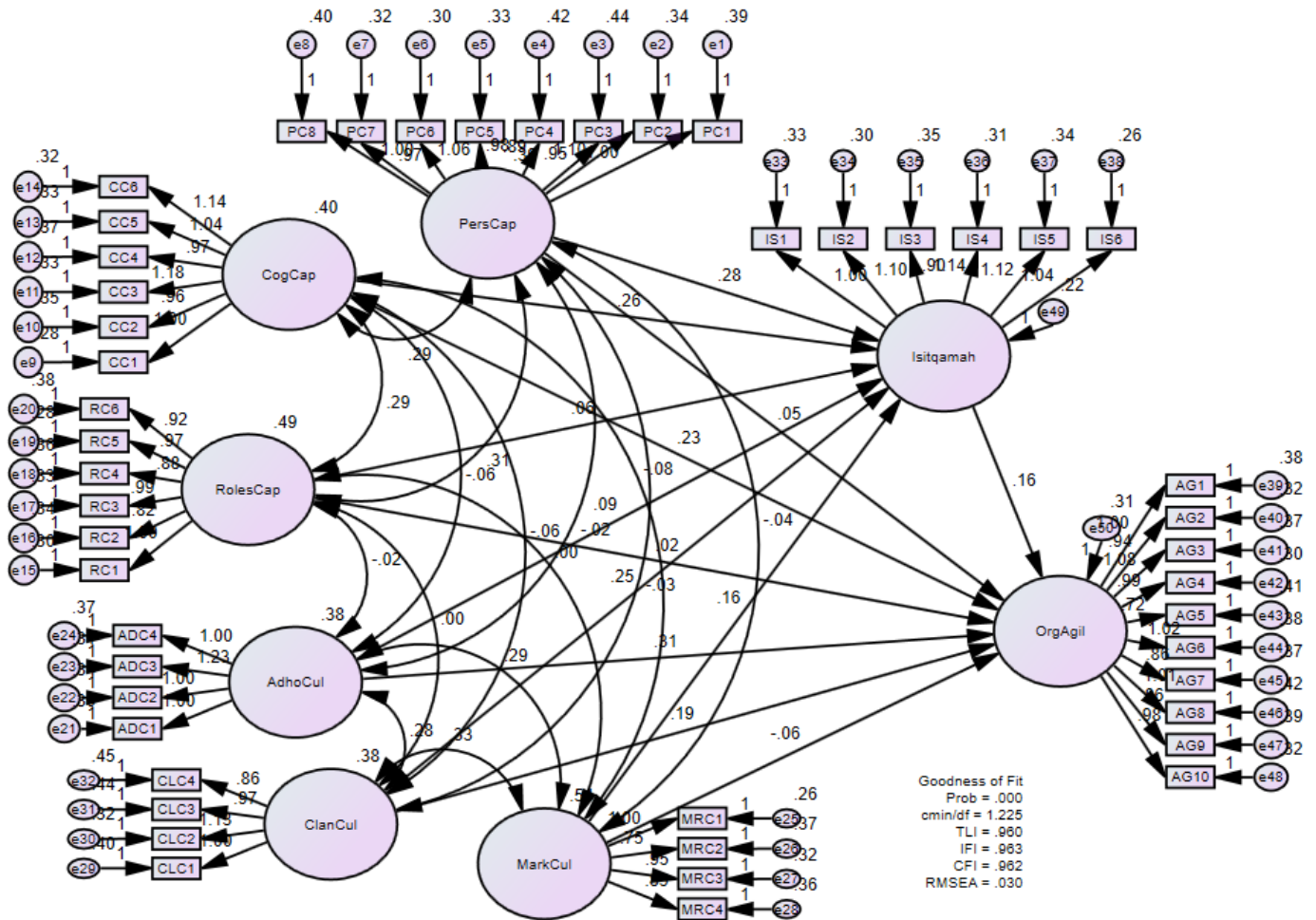


Figure 1. Research model testing using Amos 27.

7. Hypothesis testing

The relationship between the construct can be extracted from the path analysis test. If the *P* values are greater than 0.05, the hypothesis is rejected. If the *P* value are below 0.05 then the hypothesis is accepted. Below are the presented result of the Hypothesis testing as presented in **Table 2**:

Table 2. Hypothesis result.

| Hypothesis | Estimate | C.R. | P value | Summary |
|---|----------|-------|---------|----------|
| H1: Personal capabilities have a positive impact on Istiqamah | 0.277 | 2.649 | 0.008 | Accepted |
| H2: Cognitive capabilities have a positive impact on Istiqamah | 0.256 | 2.632 | 0.008 | Accepted |
| H3: Role specific capabilities have a positive impact on Istiqamah | 0.066 | 0.802 | 0.422 | Rejected |
| H4: Adhocracy culture has a positive impact on Istiqamah | 0.083 | 0.751 | 0.455 | Rejected |
| H5: Clan culture has a positive impact on Istiqamah | 0.283 | 1.950 | 0.051 | Rejected |
| H6: Market culture has a positive impact on Istiqamah | 0.155 | 1.681 | 0.093 | Rejected |
| H7: Personal capabilities have a positive impact on Organizational Agility | 0.266 | 8.447 | 0.000 | Accepted |
| H8: Cognitive capabilities have a positive impact on Organizational Agility | 0.255 | 8.886 | 0.000 | Accepted |
| H9: Role specific capabilities have a positive impact on Organizational Agility | 0.180 | 8.118 | 0.000 | Accepted |
| H10: Adhocracy culture has a positive impact on Organizational Agility | 0.266 | 8.323 | 0.000 | Accepted |

Table 2. (Continued).

| Hypothesis | Estimate | C.R. | P value | Summary |
|--|----------|-------|---------|----------|
| H11: Clan culture has a positive impact on Organizational Agility | 0.287 | 6.758 | 0.000 | Accepted |
| H12: Market culture has a positive impact on Organizational Agility | 0.255 | 8.618 | 0.000 | Accepted |
| H13: Leadership capabilities and Organizational Culture have a positive impact on Organizational Agility mediated by Istiqamah | 0.247 | 9.318 | 0.000 | Accepted |

Tables 3 and **4** respectively highlighted the research findings as follows; personal capabilities have positive impact on Istiqamah, cognitive capabilities have positive impact on Istiqamah, role-specific capabilities have positive impact on Istiqamah, adhocracy culture have positive impact on Istiqamah, clan culture have positive impact on Istiqamah, market culture have positive impact on Istiqamah.

Table 3. Istiqamah research model hypothesis testing.

| Model | Unstandardized B | Coefficient Std. Error | Standardized Coefficient Beta | t | Sig. |
|------------|------------------|------------------------|-------------------------------|--------|-------|
| (constant) | -0.324 | 0.360 | | -0.899 | 0.369 |
| PC | 0.260 | 0.077 | 0.244 | 3.366 | 0.001 |
| CC | 0.218 | 0.070 | 0.218 | 3.116 | 0.002 |
| RC | 0.114 | 0.068 | 0.113 | 1.622 | 0.096 |
| CLC | 0.203 | 0.070 | 0.198 | 1.648 | 0.064 |
| ADC | 0.116 | 0.065 | 0.118 | 1.633 | 0.076 |
| MRC | 0.169 | 0.064 | 0.171 | 1.623 | 0.069 |

Table 4. T test and t table comparison.

| Model | t test | t table | Summary |
|-------|--------|---------|---|
| PC | 3.366 | 1.6510 | The null hypothesis was rejected, alternative hypothesis was accepted |
| CC | 3.116 | 1.6510 | The null hypothesis was rejected, alternative hypothesis was accepted |
| RC | 1.622 | 1.6510 | The null hypothesis was accepted, alternative hypothesis was rejected |
| CLC | 1.648 | 1.6510 | The null hypothesis was accepted, alternative hypothesis was rejected |
| ADC | 1.633 | 1.6510 | The null hypothesis was accepted, alternative hypothesis was rejected |
| MRC | 1.623 | 1.6510 | The null hypothesis was accepted, alternative hypothesis was rejected |

To conduct a hypothesis testing based on the provided table and research hypotheses, the regression weights, standard errors (S.E.), critical ratios (C.R.), and *p*-values in the table need to be analyze. The aim of the testing is to identify whether the regression weights for each predictor variable in the Istiqamah and Organizational Agility models are statistically significant, supporting or rejecting the research hypotheses.

7.1. Personal capabilities' impact on Istiqamah

Based on the table above, it is resulted that Regression Weight Estimate for Personal capabilities is 0.277 and the *P*-value for PersCap: 0.008 (significant at the 0.05 level). The *p*-value for Personal capabilities is less than 0.01, indicating a statistically significant relationship. Therefore, we can support H1, which suggests that personal capabilities have a positive impact on Istiqamah. This result is in

accordance with previous research whereas personal capabilities and Islamic work ethic namely Istiqamah is proven to be positive and significant (Ahmad, 2021). The result also aligns with the study that stated personal capabilities impact positively and significantly to Islamic work ethics (Istiqamah) (Nurfaizi and Muafi, 2022; Udin et al., 2022).

7.2. Cognitive capabilities' impact on Istiqamah

Based on the table above, it is resulted that Regression Weight Estimate for Cognitive capabilities is 0.256 and the *P*-value for PersCap: 0.008 (significant at the 0.05 level). The *p*-value for Personal capabilities is less than 0.05, indicating a statistically significant relationship. Therefore, we can support H1, which suggests that Cognitive capabilities have a positive impact on Istiqamah. This study is in accordance with the research conducted by Syariati, (2022) which found that cognitive capabilities have positive and significant impact on Islamic work ethics namely Istiqamah. This also in line with the findings that the higher cognitive capabilities in a school leader then the higher the Istiqamah work ethics in integrated Islamic school (Shaikh and Alam Kazmi, 2022).

7.3. Role specific capabilities' impact on Istiqamah

Based on the table above, it is resulted that Regression Weight Estimate for Role Specific capabilities is 0.06 and the *P*-value for PersCap: 0.422 (significant at the 0.05 level). The *p*-value for RolesCap is greater than 0.05, indicating no statistically significant relationship. Therefore, we fail to support H3, which suggests that role-specific capabilities have a positive impact on Istiqamah. This result is not aligning with the study conducted by Aflah et al. (2021); S. Javed et al. (2020) in which both agree respectively that role specific capabilities have positive and significant effect on Istiqamah.

7.4. Adhocracy culture's impact on Istiqamah

Based on the table above, it is resulted that Regression Weight Estimate for AdhoCul: 0.083 and the *P*-value for AdhoCul: 0.453 (not significant at the 0.05 level). The *p*-value for AdhoCul is greater than 0.05, indicating no statistically significant relationship. Therefore, we fail to support H4, which suggests that adhocracy culture has a positive impact on Istiqamah. The result of this study is not in accordance with the previous research. Whereas in previous study adhocracy culture have positive and significant impact with Istiqamah (Candra et al., 2022; Chupradit et al., 2022).

7.5. Clan culture's impact on Istiqamah

Based on the table above, it is resulted that Regression Weight Estimate for ClanCul: 0.283 and *P*-value for ClanCul: 0.051 (not significant at the 0.05 level). The *p*-value for ClanCul is slightly greater than 0.05, indicating no statistically significant relationship, but it's close to the threshold. Therefore, we may consider the result inconclusive for H5, which suggests that clan culture has a positive impact on Istiqamah. The result is relatively different with the study conduct by that suggest

clan culture have positive and significant impact with Istiqamah (Alshurideh and Obeidat, 2021; Hamzah et al., 2021; Shafira Arifiani and Sudiro Nur Khusniyah Indrawati, 2020).

7.6. Market culture’s impact on Istiqamah

Based on the table above, it is resulted that Regression Weight Estimate for MarkCul: 0.155 and *P*-value for MarkCul: 0.093 (not significant at the 0.05 level). The *p*-value for MarkCul is greater than 0.05, indicating no statistically significant relationship. Therefore, we fail to support H6, which suggests that market culture has a positive impact on Istiqamah. The previous research indicating that market culture has a positive and significant effect on Istiqamah (Nasution and Rafiki, 2019; Udin et al., 2022b) therefore this result is not align with the previous result.

Tables 5 and 6 respectively highlighted the research findings as follows; personal capabilities have positive impact on organizational agility, cognitive capabilities have positive impact on organizational agility, role-specific capabilities have positive impact on organizational agility, adhocracy culture have positive impact on organizational agility, clan culture have positive impact on organizational agility, market culture have positive impact on organizational agility.

Table 5. Organizational agility research model hypothesis testing: Coefficient.

| Model | Unstandardized B | Coefficient Std. Error | Standardized Coefficient Beta | <i>t</i> | Sig. |
|------------|------------------|------------------------|-------------------------------|----------|-------|
| (constant) | -2.343 | 0.067 | | -35.041 | 0.000 |
| PC | 0.239 | 0.015 | 0.238 | 16.294 | 0.000 |
| CC | 0.221 | 0.013 | 0.235 | 16.686 | 0.000 |
| CLC | 0.214 | 0.013 | 0.223 | 16.146 | 0.000 |
| ADC | 0.236 | 0.012 | 0.255 | 19.463 | 0.000 |
| MRC | 0.225 | 0.012 | 0.243 | 18.637 | 0.000 |
| IS | 0.254 | 0.012 | 0.270 | 21.451 | 0.000 |
| RC | 0.192 | 0.013 | 0.202 | 15.082 | 0.000 |

Table 6. *T* test and *t* table comparison.

| Model | <i>t</i> test | <i>t</i> table | Summary |
|-------|---------------|----------------|---|
| PC | 16.294 | 1.6510 | The null hypothesis was rejected, alternative hypothesis was accepted |
| CC | 16.686 | 1.6510 | The null hypothesis was rejected, alternative hypothesis was accepted |
| CLC | 16.146 | 1.6510 | The null hypothesis was rejected, alternative hypothesis was accepted |
| ADC | 19.463 | 1.6510 | The null hypothesis was rejected, alternative hypothesis was accepted |
| MRC | 18.637 | 1.6510 | The null hypothesis was rejected, alternative hypothesis was accepted |
| IS | 21.451 | 1.6510 | The null hypothesis was rejected, alternative hypothesis was accepted |
| RC | 15.082 | 1.6510 | The null hypothesis was rejected, alternative hypothesis was accepted |

7.7. Personal capabilities’ impact on organizational agility

Based on the table above, it is resulted that Regression Weight Estimate for PersCap: 0.266 and *P*-value for PersCap: <0.01 (significant at the 0.05 level). The *p*-value for PersCap is less than 0.05, indicating a statistically significant relationship.

Therefore, we can support H7, which suggests that personal capabilities have a positive impact on Organizational Agility. This result is in accordance with the previous research that suggest personal capabilities have positive and significant effect on organizational agility (Arsawan et al., 2022; Giri Goswami, 2022).

7.8. Cognitive capabilities' impact on organizational agility

Based on the table above, it is resulted that Regression Weight Estimate for CogCap: 0.255 and P -value for CogCap: <0.01 (significant at the 0.05 level). The p -value for CogCap is less than 0.05, indicating a statistically significant relationship. Therefore, we can support H8, which suggests that cognitive capabilities have a positive impact on Organizational Agility. This result is in accordance with the previous research that suggest cognitive capabilities have positive and significant effect on organizational agility (Akkaya, 2020; Fawzy and Saad, 2023)

7.9. Role specific capabilities' impact on organizational agility

Based on the table above, it is resulted that Regression Weight Estimate for RolesCap: 0.180 and P -value for RolesCap: <0.01 (significant at the 0.05 level). The p -value for RolesCap is less than 0.05, indicating a statistically significant relationship. Therefore, we can support H9, which suggests that role-specific capabilities have a positive impact on Organizational Agility. This result is in accordance with the previous research that suggest role specific capabilities have positive and significant effect on organizational agility (Akkaya, 2020; Surya Wanasida et al., 2020).

7.10. Adhocracy culture's impact on organizational agility

Based on the table above, it is resulted that Regression Weight Estimate for AdhoCul: 0.266 and P -value for AdhoCul: <0.01 (significant at the 0.05 level). The p -value for AdhoCul is less than 0.05, indicating a statistically significant relationship. Therefore, we can support H10, which suggests that adhocracy culture has a positive impact on Organizational Agility. This result is in accordance with the previous research that suggest adhocracy culture have positive and significant effect on organizational agility (Hussain et al., 2022; Li et al., 2023).

7.11. Clan culture's impact on organizational agility

Based on the table above, it is resulted that Regression Weight Estimate for ClanCul: 0.287 and P -value for ClanCul: <0.01 (significant at the 0.05 level). The p -value for ClanCul is less than 0.01, indicating a statistically significant relationship. Therefore, we can support H11, which suggests that clan culture has a positive impact on Organizational Agility. This result is in accordance with the previous research that suggest clan culture have positive and significant effect on organizational agility (Arifin and Purwanti, 2023; Carvalho et al., 2023).

7.12. Market culture's impact on organizational agility

Based on the table above, it is resulted that Regression Weight Estimate for MarkCul: 0.225 and P -value for MarkCul: <0.01 (significant at the 0.05 level). The

p -value for MarkCul is less than 0.01, indicating a statistically significant relationship. Therefore, we can support H12, which suggests that market culture has a positive impact on Organizational Agility. This result is in accordance with the previous research that suggest market culture have positive and significant effect on organizational agility (Batuk Ünlü and Çalışkan, 2022; Jayampathi et al., 2022; Khalid et al., 2020).

7.13. Leadership capabilities' and organizational culture's impact on organizational agility mediated by Istiqamah

Leadership Capabilities and Organizational Culture Have Positive Impact on Organizational Agility Mediated by Istiqamah is a more complex hypothesis that involves mediation analysis, which requires additional information about the specific methods and data. The table alone does not provide sufficient information to directly test this hypothesis.

This result is not supported the previous result whereas leadership capabilities have positive and significant impact on organizational agility with Istiqamah as mediating variable (Ali et al., 2021). The previous study also suggests that culture with Istiqamah as mediating variable have positive and significant effect on organizational agility (Ibrahim and Idris, 2023).

In summary, the regression weights and p -values support several of the research hypotheses (H1, H2, H7, H8, H9, H10, H11, H12) based on the statistical significance criteria you provided ($p < 0.05$). However, some hypotheses (H3, H4, H5, H6) do not receive support from the provided data. Hypothesis H13, which involves mediation analysis (Leadership capabilities and Organizational Culture have a positive impact on Organizational Agility mediated by Istiqamah), cannot be directly tested based on the provided table. This hypothesis would require specific mediation analysis techniques, and the necessary information about how the mediation is modelled.

8. Discussion

Role Theory suggests that individuals' behaviours, expectations, and interactions within specific roles in organizations contribute to overall organizational functioning (Hussain et al., 2018). Furthermore, Organizational Culture Theory posits that the shared values, beliefs, and norms within an organization influence its members' behavior, decisions, and effectiveness. Quote (Schein, 1990): "Organizational culture is the pattern of basic assumptions that a given group has invented, discovered, or developed in learning to cope with its problems of external adaptation and internal integration." Supporting Study research showed that a strong and congruent organizational culture was positively associated with higher organizational performance and adaptability. The result from this research contribute to the variety of a different research position as role specific and culture insignificantly impact organizational agility.

Transformational Leadership Theory suggests that leaders who inspire and promote a shared vision can enhance organizational agility and responsiveness. Quote (Bass and Riggio, 2006): "Transformational leaders... are capable of initiating

and implementing new and innovative changes in an organization.” Supporting Study (Eisenbeiss et al., 2008): Eisenbeiss and colleagues found that transformational leadership positively influenced employee commitment, which in turn improved organizational agility.

Continuous Improvement Theory emphasizes the importance of ongoing assessment, feedback, and adaptation to drive organizational effectiveness and innovation. Quote (Deming, 1986): “Learning is not compulsory... neither is survival.” Supporting Study (Rajagopalan et al., 1993): Rajagopalan and colleagues highlighted the value of continuous monitoring and adapting to changes in the external environment to ensure organizational survival and success.

Enhancing Data Collection and Analysis: Evidence-Based Management emphasizes the use of data and empirical research to inform decision-making and improve organizational outcomes. Quote (Pfeffer and Sutton, 2006): “Managers should use evidence, both their own internal data and external data, to identify and implement practices that will help their companies perform better.” Supporting Study (Bingham and Eisenhardt, 2011): Bingham and Eisenhardt’s research demonstrated the benefits of a data-driven approach in dynamic environments, leading to more effective strategic decision-making.

When implementing policies based on the findings from the regression analysis, it is essential to align these policies with relevant theories and to seek more recent and context-specific studies that directly support the specific implications you intend to implement.

9. Novelty

The finding that role-specific capabilities did not show a significant impact on Istiqamah challenges the common assumption that specific role-related skills directly contribute to a particular construct like Istiqamah. This result could prompt further investigation into the complexities of how role-specific capabilities interact with other factors in influencing organizational outcomes.

The non-significant impact of adhocracy and market cultures on Istiqamah is novel in the context of this study. While culture is often recognized as a significant factor in organizational behavior, this result suggests that certain cultural aspects might not directly affect Istiqamah in the tested context. This raises questions about the precise mechanisms through which culture influences organizational constructs.

The finding that Istiqamah mediates the relationship between leadership capabilities, organizational culture, and organizational agility adds a layer of complexity and provides a potential explanatory mechanism. This mediation suggests that building Istiqamah may be a strategic step to enhance organizational agility, offering a new perspective for organizations aiming to improve their agility.

The finding that the relationship between Clan culture and Istiqamah is not conclusively significant ($p = 0.051$) suggests a potential trend worth exploring. While not statistically significant at the chosen threshold, this result indicates that further research with a larger sample size or more refined measurement methods could potentially yield significant findings, and it encourages researchers to delve deeper into the relationship between clan culture and Istiqamah.

The study's comprehensive examination of factors contributing to organizational agility, including personal and cognitive capabilities, role-specific capabilities, and different cultural aspects, offers a nuanced view of the drivers of agility. This breadth allows for a more holistic understanding of how these factors collectively impact organizational agility.

The study's exploration of the mediating role of Istiqamah between leadership capabilities, organizational culture, and organizational agility provides a unique perspective on the pathways through which these factors interact. This integrative approach highlights the importance of both individual and cultural aspects in driving agility.

In summary, the novelty in these findings lies in the unexpected results related to certain predictor variables, the identification of a mediating role for Istiqamah, and the comprehensive examination of various factors contributing to organizational agility. These novel insights can inspire further research, stimulate discussions, and guide organizations in refining their strategies to enhance performance and agility.

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