

Organizational Culture, Management Accounting Information, Innovation Capability and SMEs Performance

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ABSTRACT

In accordance with the theories of organizational culture, innovation diffusion and TAM, this study examines the relationship between organizational culture, management accounting information, innovation capability and company performance in small and medium enterprises (SMEs) in the city of South Tangerang. Data for the study were collected through a questionnaire survey of a sample of 160 top and middle level managers in SMEs. The results obtained reveal that organizational culture has a significant positive effect on company performance. In addition, the results show that the use of management accounting information and innovation capability has no significant effect on firm performance.

Keywords: organizational culture, management accounting information, innovation capability, SMEs performance

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INTRODUCTION

Performance is an important element that must be achieved, a reflection of the ability to allocate and manage the resources of each company (Truong, 2020). According to Demir (2020) Achievement as an illustration of the achievement of activities to realize company goals, rapid economic development in various countries has an impact on the business environment in Indonesia from the financial and non-financial sectors. These conditions encourage us to compete with each other to gain the trust of investors and the public (Teapitthayamas, 2021). Determining the success of company performance requires measuring whether these results meet company goals (Elzahaby, 2021). Performance is generally measured through financial and non-financial information (Gunduz & Al-Naimi, 2021).

Small and medium enterprises have an important meaning. Small and medium enterprises are one of the engines of modern economic life and are seen as engines of economic growth and employment (Modak, 2017). Small and medium enterprises continue to face challenges responding to changing environmental factors, such as developing markets and higher product quality standards worldwide, the need for shorter delivery times and closer business partnerships (Córdova-Aguirre, 2021). In addition, small and medium-sized companies have unique selling points that differentiate them from the marketing activities of large companies (Michnik, 2019). These characteristics can be determined by the characteristics and behavior attached to the entrepreneur or owner/manager, or it can be dictated by inherent limitations and the size and sophistication of the firm. This limitation may be due to limited resources such as finance, time and marketing, as well as the lack of specific skills and limited market influence of the general owner or manager.

According to Dahooie (2021) that it is qualitatively difficult for small and medium enterprises in Indonesia to develop in the market because they have some internal problems such as poor quality human resources, such as a lack of qualified personnel, lack of cultural alignment of management, control and inadequate technology management. weak, lack of knowledge and innovation skills. Two internal problems of many small and medium enterprises, namely cultural orientation of management and ability to innovate, have become central themes in much of the current research.

Small and medium enterprises are businesses that seek profit as the end result of their business activities, therefore the management of small and medium enterprises must try to achieve the expected goals properly. However, when carrying out their activities, problems often arise that have an impact on performance, one of the small and medium-sized businesses that has problems in the target area of the South Tangerang sub-dept. in East Ciputat sub-district, namely small and medium-sized businesses Wakalumi serving cash and credit sales services. Based on preliminary research, there are problems that relating to sales accounting information and cash receipts namely customers not filling out credit forms, to issue guarantee letters and customer delays, if you have filled it out, a guarantee letter will be given which is a payment system for small and medium businesses with special conditions being applied to customers, in other words, there must be an agreement first. Small and medium businesses will take a letter of guarantee and bill other companies that work together, this happens because sales marketing does not follow up on the form for fear of offending and burdening customers with credit forms, so that bills pile up the accounting department will not be able

to bill because there is no customer data (Putri & Parameswara, 2019).

In addition to the problem of management accounting information, several companies in Indonesia, including small and medium enterprises, are unable to carry out good corporate management cultural orientation practices so they are unable to run their business (Putri & Parameswara, 2019). Differences in the cultural orientation of management in small and medium enterprise industrial companies compared to micro enterprises, namely structure, regulations, and higher levels of debt financing in small and medium enterprise industries. This causes small and medium businesses to have lower control and have higher corporate performance than micro businesses (Pratiwi *et al.*, 2020). Syofyan & Putra (2020) states that management cultural orientation in Indonesia is still low, so not all small and medium businesses are able to improve a good management cultural orientation. Another problem that occurs in small and medium-sized businesses is that their ability to innovate has not been optimal in developing products and services (Parameswara, 2021).

In addition to management accounting information and management cultural orientation, innovation capability is a development effort carried out by the company as an effort to reach opportunities so as to increase company profits (Naek & Lauw, 2020). The ability to innovate has become part of the activities of every company, this is because product development management is included as one of the company's strategies for the development of companies that have greater innovation can gain reputation and better performance than other static companies (Suttipun & PhD, 2018). Innovation is not only to comply with the rules but commitment to innovation can increase product sales but there are companies that use innovation as a strategy to deceive the company's image (Ida *et al.*, 2019).

Research on company performance has been investigated. Previous studies examined the influence of management's cultural orientation, innovation capability and management accounting information on company performance. Previous research findings reveal that there is a significant relationship between the influence of management's cultural orientation, innovation ability and management accounting information on company performance. On the other hand, researchers found that organizational culture has an effect on company performance. Meanwhile, the ability of innovation and management accounting information has no effect on company performance. Because researchers found research results that were different from previous researchers, the results of this study were state of the art. Therefore, This research is important to find out the reasons for the non-influence of innovation ability and management accounting information on company performance in South Tangerang. This study aims to determine and analyze the influence of management's cultural orientation, innovation ability and management accounting information on company performance. This research will contribute at the theoretical and practical levels as well as contribute knowledge on the determinants of company performance in SMEs in South Tangerang.

LITERATURE REVIEW

Organizational Culture Theory

Organizational culture theory is a communication theory that includes all communication symbols (actions, routines, and conversations) and the meanings attached to these symbols (Turner & West, 2011). In the corporate environment, organizational culture is considered as one of the company's strategies to achieve its goals and strengths. Organizational members create and maintain a common sense of organizational reality, which

leads to a better understanding of organizational values. The core of this assumption is the values that belong to the organization. Values are the norms and principles embedded in culture. In this study, the use of organizational culture theory becomes the theoretical basis for analyzing the influence of management cultural alignment on organizational effectiveness.

Organizational culture theory is one of the company's strategies in achieving goals and strengths. Organizational members create and maintain a common sense of organizational reality, which leads to a better understanding of organizational values. Organizational culture theory is a communication theory that includes all symbols of communication (functions, routines, and conversations) and the meanings that people give to these symbols (Turner & West, 2011).

The theory discussed above strengthens research conducted by (Sakrabani, 2021), Demir (2020) and Llach (2017) the higher management's belief in innovative and creative approaches to work, management's cultural orientation significantly improves company performance. Based on previous theory and research, personnel development indicators are developed, innovative, take advantage of opportunities quickly, have a willingness to experiment with new ideas, are willing to take risks, are careful, and are rule oriented.

Innovation Diffusion Theory

The innovation diffusion theory developed by Everett M Rogers is widely known as a theory that discusses innovation decisions. Through the book *Diffusion of Innovation (DOI)*. Rogers (1962) It provides the concept of the diffusion of innovations and the speed at which social systems accept new ideas for innovation. So far, Rogers' theory has been widely cited by researchers, especially regarding the diffusion of innovations. Rogers describes the three main concepts of DOI: Innovation, Diffusion and Adoption. Innovation is an idea, practice or object that someone experiences as something new. Diffusion is the process by which an innovation is communicated through a particular medium to members of a social system at a given time. Implementation occurs when individuals maximize the innovation as the true best choice (Rogers, 1962).

The theory of innovation diffusion is a theory that discusses innovation decisions (Rogers, 1962). The concepts of innovation diffusion and the speed with which a social system accepts new ideas offered by an innovation have been widely referred to by researchers, especially when discussing the issue of the diffusion of innovations. The theory discussed above strengthens research conducted by (Osunsanwo, 2020), (Valmohammadi, 2019), (Gama, 2019) and (Sarraf & Nejad, 2020) strategically innovation capabilities are very important for businesses to be able to compete, so that innovation capabilities very important. strategically affect the company's performance significantly. Based on theory and previous research, indicators are built: research companies often try new ideas, research companies look for new ways to do things,

TAM Theory (Technology Acceptance Model)

This theory was introduced by Davis (1989) which explains how users receive a technology in the system. TAM is a development of the theory of reasoned action introduced by (Ajzen & Fishbein, 1980) and (Putri *et al.*, 2020). This theory explains the causal relationship between beliefs about the benefits of usability and information systems. In addition, TAM information system user behavior, needs/goals, and trusted users influence their acceptance and use of the technology. Both are ease of use and user youth (Putu *et al.*, 2021). In this study, the use of TAM theory is the theoretical basis for analyzing the effect of

accounting information systems on company performance according to TAM.

Based on previous research using this theory to analyze the relationship between management cultural orientation, the ability to innovate, and management accounting information on company performance. The TAM (Technology Acceptance Model) theory states that the use of computers can be trusted to improve individual performance which will be discussed later which explains that the use or utilization of accounting information systems will lead to user satisfaction which will have an impact on individual performance and company performance. The theory discussed earlier strengthens research conducted by (Yoshikuni, 2017), (Alsyouf, 2021) and (Hájek, 2020) the better the use of management accounting information, the better the company's performance, so that management accounting information has a significant effect on company performance.

Organizational culture

Organizational culture (with six cultural factors: innovation, result orientation, attention to detail, team orientation, respect for people, and stability) was proposed by O'Reilly *et al.* (1991) and developed and finalized by Chatman and Jehn (1994) and Windsor and Ashkanasy (1996). Among the six factors of organizational culture, innovative culture (also known as management's value orientation towards innovation) has received particular attention from organizational culture research (Baird *et al.*, 2018). Management's value orientation towards innovation reflects management's belief in innovative and creative approaches to work (O'Reilly *et al.*, 1991); and management's value orientation towards innovation influences their attitudes and behavior towards innovation and innovative activities in their companies (Chia & Koh, 2007; Russel & Russel, 1992).

Management Accounting Information

Chenhall and Morris (1986) first formalized the four main information characteristics of management accounting information. This definition is widely adopted in research (Agbejule, 2005; Bouwens & Abernethy, 2000; Soobaroyen & Poorundersing, 2008). The four characteristics of information are: broad coverage, aggregation, integration, and timeliness. First, the scope of information refers to the dimensions of focus, quantification and time horizon. This includes non-financial information, forward-looking information and external environmental information. Second, aggregation refers to the aggregation of information according to different functional parts of the organization over time. Third, integration refers to the interaction between parts and departments within the company through information sharing.

Innovation Capability

The literature conceptualizes innovation in various ways (Jiménez-Jiménez & Sanz-Valle, 2011; Thang & Tuan, 2020). However, most definitions share the two perspectives. The first is that innovation is a behavioral variable. The second is the capacity of the organization to change (Calantone *et al.*, 2002). This study focuses on the capacity of organizations to be willing to implement change. Following Hult *et al.* (2004) innovation capability is related to the company's capacity to engage in innovation including the introduction of new processes, products, or ideas within the organization.

Research Hypothesis and Model Review

The influence of management's cultural orientation on company performance.

Organizational culture theory is one of the company's strategies in achieving goals and strengths. Organizational members create and maintain a common sense of organizational reality, which leads to a better understanding of organizational values. Organizational culture theory is a communication theory that includes all symbols of communication (functions, routines, and conversations) and the meanings that people give to these symbols (Turner & West, 2011).

The theory discussed above strengthens research conducted by (Sakrabani, 2021), (Demir, 2020) and (Llach, 2017) the higher management's belief in innovative and creative approaches to work, management's cultural orientation significantly improves company performance. Based on previous theory and research, the following hypotheses were built:

H1: management's cultural orientation has a positive effect on company performance.

The effect of innovation capability on company performance.

The theory of innovation diffusion is a theory that discusses innovation decisions (Rogers, 1962). The concepts of innovation diffusion and the speed with which a social system accepts new ideas offered by an innovation have been widely referred to by researchers, especially when discussing the issue of the diffusion of innovations. The theory discussed above strengthens research conducted by (Osunsanwo, 2020), (Valmohammadi, 2019), (Gama, 2019) and (Sarraf & Nejad, 2020) strategically innovation capabilities are very important for businesses to be able to compete, so that innovation capabilities very important. strategically affect the company's performance significantly. Based on previous theory and research, the following hypotheses were built:

H2: Innovation capability has a positive effect on company performance.

The effect of management accounting information on company performance.

The TAM (Technology Acceptance Model) theory states that the use of computers can be trusted to improve individual performance which will be discussed later which explains that the use or utilization of accounting information systems will lead to user satisfaction which will have an impact on individual performance and company performance. The theory discussed earlier strengthens research conducted by (Yoshikuni, 2017), (Alsyouf, 2021) and (Hájek, 2020) the better the use of management accounting information, the better the company's performance, so that management accounting information has a significant effect on company performance. Based on previous theory and research, the following hypotheses were built:

H3: Management accounting information has a positive effect on company performance.

Based on the review of relevant theory and research above, the proposed research model is described in Figure 1 below.

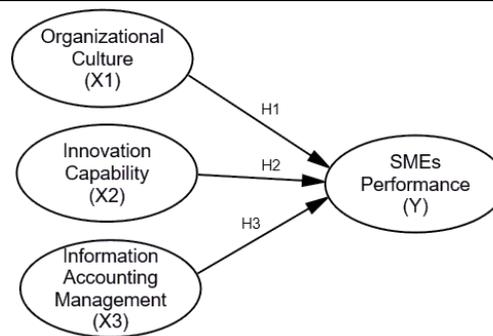


Figure 1. Research Framework

RESEARCH METHODS

The research design used in this study is a causality descriptive research design. Causal research design aims to analyze the relationship between variables in a study or to find out how a variable can affect changes in other variables (Joe F Hair *et al.*, 2019). In this study there are exogenous (independent) variables, namely management cultural orientation, innovation capability and management accounting information and endogenous (dependent) variables, namely company performance. The research questionnaire was filled out online for data collection. The research population is SMEs in South Tangerang, Indonesia. Data collection, processing and analysis will be carried out in 2022. The sampling method uses Non-Probability Sampling with stratified random sampling. The number of respondents in this study was 160 people, the sample size was taken based on Joe F Hair *et al.* (2019).

Table 1. Demographics of Respondents

Respondens Characteristics		Total	Percentage
Gender	Male	90	56,3%
	Female	70	43,8%
Age	< 25 Years	10	6,2%
	26 - 35 Years	30	18,8%
	36 - 45 Years	120	75,0%
Product	Culinary	60	37,5%
	Fashion	20	12,5%
	Otomotif	10	6,3%
	Creatif	10	6,3%
	Internet	10	6,3%
	Others	50	31,1%
Position	Owner	150	93,8%
	Manager	10	6,3%
Firm Age	< 1 Year	10	6,3%
	1 - 5 Years	80	50,0%
	6 - 10 Years	60	37,5%
	> 10 Years	10	6,3%
Omzet	< Rp.300.000.000	100	62,5%
	Rp.300.000.000 - Rp.2.500.000.000	40	25,0%
	Rp.2.500.000.000 - Rp. 50.000.000.000	10	6,3%
	> Rp.50.000.000.001	10	6,3%
Employees	< 5 Person	90	56,3%
	6 - 10 Person	20	12,5%
	11 - 19 Person	40	25,0%
	20 - 99 Person	10	6,3%
	> 100 Person	0	0,0%

This study uses the Structural Equation Model Partial Least Square (SEM-PLS) analysis tool with two measurement models (Joseph F Hair *et al.*, 2013; Wong, 2019), namely Outer Model Analysis with five parameters, Inner Model Analysis with four parameters, as well as analyzing models and testing hypotheses. Evaluation of the Measurement Model (Outer Model Analysis) uses five parameters, including Convergent Validity Value, where the loading factor value must be above 0.70, then it is said to be valid. The second is Average Variance Extracted (AVE) with an expected AVE value above 0.50, meaning that the higher the AVE value, the variance caused by errors in model measurement is smaller than the variance caused by each construct captured by the model. Third is Discriminant Validity, the

loading factor value is greater than the cross-loading value or you can also use the Fornell-Lacker Criterion value, where the criterion value is greater than the correlation value to other constructs. The fourth is Reliability Analysis using the Composite Reliability (CR) value, and it is expected that the CR value is greater than 0.70, so the latency is said to be reliable. In addition, finally, Cronbach's Alpha with the expected value is Cronbach's Alpha greater than 0.60.

So, hypothesis testing involving relationships between constructs will only be reliable or valid if the measurement model explains how these constructs are measured (Joe F Hair *et al.*, 2019). Significance testing is the process of testing whether a particular outcome occurs by chance. The critical values for this level of significance and the one-tailed test are 1.65, respectively. The significance test using the t-statistic value (t value) for a one-tailed test is 1.65. For the significance level of the p-value is 5% (0.05), it means that it is said to be significant if the p-value is less than 0.05.

RESULTS AND DISCUSSION

Results

Respondents were owners and managers of SMEs in South Tangerang, with a total of 160 respondents consisting of 90 people (56.3%) men, and 70 people (43.8%) were women. Furthermore, the most respondents aged 36-45 years were 120 people (75%), besides that, there were 30 people aged 26-35 years (18.8%), and those aged under 25 years were 10 people (6.2%). . The number of respondents who did business in the culinary field was 60 people (37.5%), fashion consisted of 20 people (12.5%), each of 10 people (6.3%) were in the automotive, creative and internet businesses. While the remaining 50 people (31.1%) in other fields. For the owner position who filled out this questionnaire there were 150 people (93.8%) and 10 people (6.3%) as managers.

The ages of SMEs since their establishment until now were studied consisted of 80 SMEs aged less than 1 year as many as 10 SMEs (6.3%), the number of SMEs aged 1-5 years was 80 SMEs (50%), and those aged 6- 10 years consisted of 60 SMEs (37.5%), and those who were more than 10 years old consisted of 10 SMEs (6.3%). For SMEs with a turnover of less than Rp. 300 million, there are 100 SMEs (62.5%), then those with an turnover of IDR 300 million – IDR 2.5 billion are 40 SMEs (25%), and SMEs with an turnover of IDR 2.5 billion – IDR 50 billion are 10 SMEs (6.3%) and SMEs with a turnover of more than IDR 50 billion are 10 SMEs (6.3%). Of the total 160 SMEs studied, 90 SMEs (56.3%) had employees under 5 people, 20 SMEs had 6-10 employees (12,5%), 11-19 employees have 40 person (25%) and 20-99 employees have 10 SMEs (6,3%).

In this study, if each construct has an AVE > 0.50, the minimum acceptable loading factor size is 0.70. Based on the processing results of SmartPLS 4.0 shown in Figure 2, the loading factor values for all indicators are above 0.70. Therefore, the convergent validity model in this study meets the requirements. Loadings, cronbach's alpha, composite reliability, and AVE values for each complete construct are in table 2.

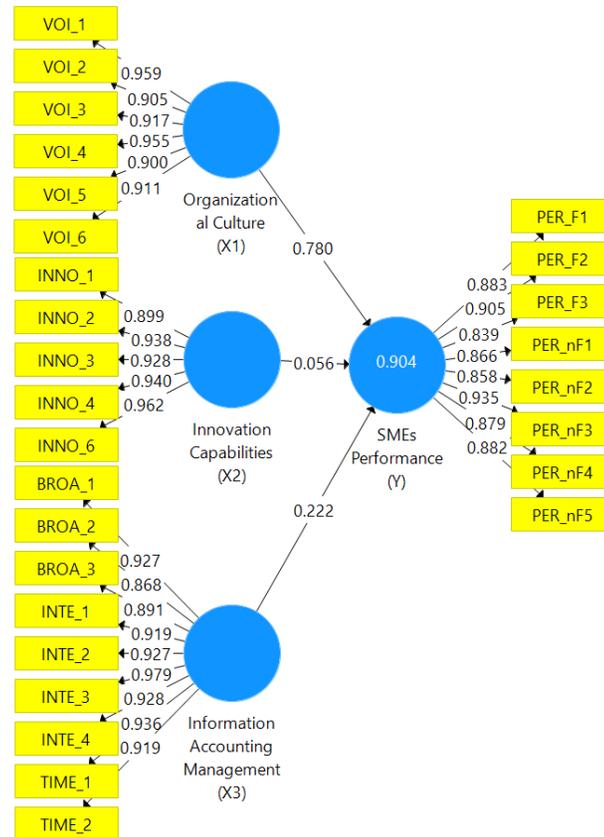


Figure 2. Outer Model Analysis Results

Table 2. Convergent Validity

Construct	Indicators	Factor Loadings	Cronbach's Alpha	Composite Reliability	AVE
SME's Performance	PER_F1	0.883	0.959	0.965	0.777
	PER_F2	0.905			
	PER_F3	0.839			
	PER_nF1	0.866			
	PER_nF2	0.858			
	PER_nF3	0.935			
	PER_nF4	0.879			
	PER_nF5	0.882			
Organizational Culture	VOI_1	0.959	0.966	0.973	0.855
	VOI_2	0.905			
	VOI_3	0.917			
	VOI_4	0.955			
	VOI_5	0.900			
	VOI_6	0.911			
Innovation Capabilities	INNO_1	0.899	0.963	0.971	0.872
	INNO_2	0.938			
	INNO_3	0.928			
	INNO_4	0.940			
	INNO_5	0.962			

Construct	Indicators	Factor Loadings	Cronbach's Alpha	Composite Reliability	AVE
Information Accounting Management	BROA_1	0.927	0.978	0.981	0.850
	BROA_2	0.868			
	BROA_3	0.891			
	TIME_1	0.936			
	TIME_2	0.919			
	INTE_1	0.919			
	INTE_2	0.927			
	INTE_3	0.979			
	INTE_4	0.928			

Discriminant validity tests are conducted to ensure that the concept of each latent variable is different from other latent variables. The model is said to have good discriminant validity if the AVE value for each exogenous construct exceeds the correlation between constructs and other constructs. The results of the discriminant validity test using the AVE value by looking at the Fornell-Larcker Criterion value, namely in table 2. The results of the discriminant validity test in Table 2 show that the AVE value for all constructs is higher than the correlation with other potential constructs (according to the Fornell-Larcker Criteria). Therefore, it can be concluded that the model has met discriminant validity.

Table 3. Discriminant Validity (Fornell-Larcker Criterion)

	X3	X2	X1	Y
Organizational Culture (X1)	0.925			
Innovation Capabilities (X2)	0.905	0.934		
Information Accounting Management (X3)	0.435	0.541	0.922	
SMEs Performance (Y)	0.927	0.882	0.592	0.881

Testing the hypothesis by looking at the path coefficient of the bootstrapping analysis results by comparing the t-statistics with the t-table. The hypothesis accepts the t-statistic value $>$ t-table (1.65). The results of the complete bootstrapping analysis on the path coefficient with a 78% confidence level are shown in Figure 3. The path coefficient value indicated by the t-statistic must be higher than the t-table value with an alpha significance level of 5% (0.05) and the t value above 1.65.

The t-statistic values for all paths in the studied structural model. In summary, the results of the path coefficient t-test analysis are shown in table 3. Analysis of the path coefficient t-test (Table 3) shows that perceptions of organizational culture have a direct and significant effect on firm performance (H1: Accepted, $t=3.342$, $p=0.001$). Innovation capability has no direct and significant effect on firm performance (H2: Rejected, $t=0.241$, $p=0.809$). Management accounting information variables do not directly and significantly affect company performance (H3: Rejected, $t=0.9723$, $p=0.332$).

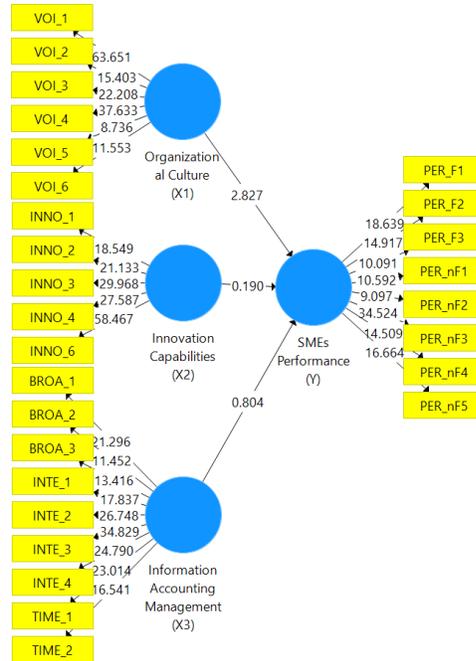


Figure 3. Results of Deep Model Analysis

Table 4. Direct Effect Coefficient Results

	Coefficient	T-Value	P-Value	Hypothesis
H1 X1 -> Y	0.780	3.342	0.001	Accepted
H2 X2 -> Y	0.056	0.241	0.809	Rejected
H3 X3 -> Y	0.222	0.972	0.332	Rejected

t-value > 1.645, p-value < 0.05

Subsequent analysis measured the R-Square (R2) value in the structural model for endogenous latency of 0.904 (90.4%) and Adjusted R-Square of 0.880 (88.0%) which can be interpreted as strong (Chin *et al.*, 2013). Table 5 presents the R2 value for the SMEs performance variable. From Table 5, an R2 value of 0.904 is obtained indicating that organizational culture variables, innovation capabilities and management accounting information are strong in explaining the performance of SMEs by 90.4%.

Table 5. Determinant Coefficient Value (R-square)

	R Square	R Square Adjusted	Result
SMEs Performance	0.904	0.880	Strong

F-square (f2) is calculated to measure the significance of the partial effect of exogenous variables on endogenous variables, the estimated value of f2 is 0.005; 0.354; 1.116 indicates that the effect value is weak, moderate, and strong (Cohen, 1988). Based on the results of Table 6, the f2 value of the organizational culture variable on SMEs performance is 0.005 (weak), the innovation ability variable on SMEs performance is 0.354 (moderate), then

for management accounting information on SMEs performance is 1.116 (strong).

Table 6. Assessment of the Level of Effect Size (F2)

	SMEs Performance	Results
Information Accounting Management	0.005	Weak
Innovation Capabilities	0.354	Middle
Organizational Culture	1.116	Strong

Finally, Q-square (Q2) measures how well the model produces the observed and estimated parameters. If the Q2 value is greater than 0 (zero), then the model is considered to have a relevant predictive value. In this study, the results of the Q2 calculation were 0.339 for SMES performance, which means that the variables in this study have a good predictive correlation because the Q2 value exceeds zero; the results are shown in table 7.

Table 7. Q-Square Model Fit Results

	Q Square	Results
SMEs Performance	0.339 > 0	Fit

Discussion

First, the results of this study reveal that organizational culture has a positive direct effect on SME performance, which in turn leads to higher firm performance. Consequently, this study contributes to RBV-based management accounting research, in particular: the authors' research provides empirical evidence to strengthen the literature on the relationship of organizational culture to firm performance in SMEs. Furthermore, the ability to innovate does not affect company performance, which is certainly contrary to the results of research by Chia & Koh (2007) and Subramaniam & Mia (2001). In addition, the results of management accounting information are also not significant to company performance. The results of this study provide empirical evidence that contradicts that stated by Chenhall (2006).

The author concludes that organizational culture is able to improve company performance through increased maintenance and development of sophisticated management accounting information systems that support managers' decision making, companies must also try harder with regard to corporate innovation. In such a way, this research has contributed to the management accounting literature by offering a more complete explanation of the antecedents and consequences of using management accounting information (Chenhall, 2006; Luft & Perisai, 2003).

Second, the authors' results provide empirical evidence finding innovation capability has no effect on firm performance (financial and non-financial) for SMEs in South Tangerang. Under competitive pressure, companies must continuously innovate to satisfy customers and respond to competitors (Calantone *et al.*, 2002; Helfat *et al.*, 2007; Keskin, 2006). Currently, SMEs in South Tangerang are not only competing with each other and with large companies, but also with powerful multinational companies, with no industry or sector that can escape these competitive pressures (Otley, 2016). Thus, the ability to innovate is one of the key drivers of the successful performance of SMEs (Keskin, 2006), implying that SMEs must

increase continuous efforts to improve the quality and variety of their products and services,

Third, the results provide empirical evidence to support the effect of organizational culture on firm performance. These results imply that SMEs in South Tangerang should improve their management accounting information systems to provide broad, timeless, aggregated, and integrated information to implement successful innovative strategies. In addition to traditional management accounting practices, SMEs must learn and adopt strategic management accounting practices such as activity-based costing and total quality management (Cadez & Guilding, 2008). In addition, companies also need to develop and maintain an organizational culture towards innovation that supports innovative and creative ideas (Subramaniam & Mia, 2001).

CONCLUSION

This study has revealed a positive influence between organizational culture on company performance. Meanwhile, the ability of innovation and management accounting information has no effect on company performance. This research has limitations. First, the sample size is quite small ($n = 160$) and may not be very representative of the population. Second, this study does not include all control variables that can affect company performance. Thus, further studies are requested to examine the impact of control variables such as size, company age, sector, ownership structure, and so on (see Nguyen, 2018; Nguyen & Doan, 2016). Third, this study uses cross-sectional data, which has the inevitable shortcoming of reflecting the evolution of management accounting information use and firm performance. The use of longitudinal data might also provide future directions for studies (Luu, 2017). Finally, although the authors have examined common method bias according to consistency with Podsakoff *et al.* (2003), future research may be able to design research that is constructed more carefully, in particular by dividing the questionnaire into two parts and sending it to two different respondents, and by collecting primary data (survey) and secondary data for analysis.

REFERENCES

- Abernethy, MA, & Bouwens, J. (2005). Determinants of accounting innovation implementation. *Abacus*, 41(3), 217–240.<https://doi.org/10.1111/j.1467-6281.2005.00180.x>
- Abernethy, MA, & Brownell, P. (1999). The role of budgets in organizations facing strategic change: An exploratory study. *Accounting, Organizations and Society*, 24(3), 189–204.[https://doi.org/10.1016/S0361-3682\(98\)00059-2](https://doi.org/10.1016/S0361-3682(98)00059-2)
- Abernethy, MA, & Guthrie, CH (1994). An empirical assessment of the “fit” between strategy and management information system design. *Accounting & Finance*, 34(2), 49–66.<https://doi.org/10.1111/j.1467-629X.1994.tb00269.x>
- Abernethy, MA, & Lillis, AM (1995). The impact of manufacturing flexibility on management control system design. *Accounting, Organizations and Society*, 20(4), 241–258.[https://doi.org/10.1016/0361-3682\(94\)E0014-L](https://doi.org/10.1016/0361-3682(94)E0014-L)
- Agbejule, A. (2005). The relationship between management accounting systems and perceived environmental uncertainty on managerial performance: A research note. *Accounting and Business Research*, 35(4), 295–305.<https://doi.org/10.1080/00014788.2005.9729996>

- Alshumrani, S., Munir, R., & Baird, K. (2018). Organizational culture and strategic change in Australian local governments. *Local Government Studies*, 44(5), 601–623.<https://doi.org/10.1080/03003930.2018.1481398>
- Auh, S., & Menguc, B. (2005). Balancing exploration and exploitation: The moderating role of competitive intensity. *Journal of Business Research*, 58(12), 1652–1661.<https://doi.org/10.1016/j.jbusres.2004.11007>
- Baines, A., & Langfield-Smith, K. (2003). Antecedents to management accounting change: A structural equation approach. *Accounting, Organizations and Society*, 28(7–8), 675–698.[https://doi.org/10.1016/S0361-3682\(02\)00102-2](https://doi.org/10.1016/S0361-3682(02)00102-2)
- Baird, K. (2007). Adoption of activity management practices in public sector organizations. *Accounting & Finance*, 47(4), 551–569.<https://doi.org/10.1111/j.1467-629X.2007.00225.x>
- Baird, K., Harrison, G., & Reeve, R. (2007). Success of activity management practices: The influence of organizational and cultural factors. *Accounting & Finance*, 47(1), 47–67.<https://doi.org/10.1111/j.1467-629X.2006.00195.x>
- Baird, K., Jia Hu, K., & Reeve, R. (2011). The relationships between organizational culture, total quality management practices and operational performance. *International Journal of Operations & Production Management*, 31(7), 789–814.<https://doi.org/10.1108/01443571111144850>
- Baird, K., Su, S., & Tung, A. (2018). Organizational culture and environmental activity management. *Business Strategy and the Environment*, 27(3), 403–414.<https://doi.org/10.1002/bse.2006>
- Baird, KM, Harrison, GL, & Reeve, RC (2004). Adoption of activity management practices: A note on the extent of adoption and the influence of organizational and cultural factors. *Management Accounting Research*, 15(4), 383–399.<https://doi.org/10.1016/j.mar.2004.07.002>
- Baker, WE, & Sinkula, JM (2002). Market orientation, learning orientation and product innovation: Delving into the organization's black box. *Journal of Market- Focused Management*, 5(1), 5–23.<https://doi.org/10.1023/A:1012543911149>
- Barney, J. (1991). Firm resources and sustained competitive advantage. *Journal of Management*, 17(1), 99–120.<https://doi.org/10.1177/014920639101700108>
- Bisbe, J., & Otley, D. (2004). The effects of the interactive use of management control systems on product innovation. *Accounting, Organizations and Society*, 29(8), 709–737.<https://doi.org/10.1016/j.aos.2003.10.010>
- Bouwens, J., & Abernethy, MA (2000). The consequences of customization on management accounting system design. *Accounting, Organizations and Society*, 25(3), 221–241.[https://doi.org/10.1016/S0361-3682\(99\)00043-4](https://doi.org/10.1016/S0361-3682(99)00043-4)
- Burkert, M., Davila, A., Mehta, K., & Oyon, D. (2014). Relating alternative forms of contingency fit to the appropriate methods to test them. *Management Accounting Research*, 25(1), 6–29.<https://doi.org/10.1016/j.mar.2013.07.008>
- Cadez, S., & Guilding, C. (2008). An exploratory investigation of an integrated contingency model of strategic management accounting. *Accounting, Organizations and Society*, 33(7–8), 836–863.<https://doi.org/10.1016/j.aos.2008.01.003>
- Calantone, RJ, Cavusgil, ST, & Zhao, Y. (2002). Learning orientation, firm innovation capability, and firm performance. *Industrial Marketing Management*, 31(6), 515–524.[https://doi.org/10.1016/S0019-8501\(01\)00203-6](https://doi.org/10.1016/S0019-8501(01)00203-6)
- Chatman, JA, & Jehn, KA (1994). Assessing the relationship between industrial

- characteristics and organizational culture: How different can you be? *Academy of Management Journal*, 37(3), 522–553.<https://doi.org/10.5465/256699>
- Chenhall, R.H. (2003). Management control systems design within its organizational context: Findings from contingency-based research and directions for the future. *Accounting, Organizations and Society*, 28 (2–3), 127–168.[https://doi.org/10.1016/S0361-3682\(01\)00027-7](https://doi.org/10.1016/S0361-3682(01)00027-7)
- Chenhall, R.H. (2005). Integrative strategic performance measurement systems, strategic alignment of manufacturing, learning and strategic outcomes: An exploratory study. *Accounting, Organizations and Society*, 30(5), 395–422.<https://doi.org/10.1016/j.aos.2004.08.001>
- Chenhall, R.H. (2006). Theorizing contingencies in management control systems research. *Handbooks of Management Accounting Research*, 1, 163–205.[https://doi.org/10.1016/S1751-3243\(06\)01006-6](https://doi.org/10.1016/S1751-3243(06)01006-6)
- Chenhall, RH, & Chapman, CS (2006). *Theorizing and testing fit in contingency research on management control systems* (1st ed.). Spiramus Press Ltd.
- Chenhall, RH, & Chapman, CS (2018). *Theorizing and testing fit in contingency research on management control systems* (2nd ed.). Spiramus Press Ltd.
- Chenhall, RH, & Moers, F. (2007). The issue of endogeneity within theory-based, quantitative management accounting research. *European Accounting Review*, 16(1), 173–196.<https://doi.org/10.1080/09638180701265937>
- Chenhall, RH, & Morris, D. (1986). The impact of structure, environment, and interdependence on the perceived usefulness of management accounting systems. *Accounting Review*, 61(1), 16–35.<https://www.jstor.org/stable/247520>
- Chia, YM, & Koh, HC (2007). Organizational culture and the adoption of management accounting practices in the public sector: A Singapore study. *Financial Accountability & Management*, 23(2), 189–213.<https://doi.org/10.1111/j.1468-0408.2007.00425.x>
- Chong, VK (1996). Management accounting systems, task uncertainty and managerial performance: A research note. *Accounting, Organizations and Society*, 21(5), 415–421.[https://doi.org/10.1016/0361-3682\(95\)00045-3](https://doi.org/10.1016/0361-3682(95)00045-3)
- Chong, VK, & Chong, KM (1997). Strategic choices, environmental uncertainty and SBU performance: A note on the intervening role of management accounting systems. *Accounting and Business Research*, 27(4), 268–276.<https://doi.org/10.1080/00014788.1997.9729553>
- Doan, NPA (2016). Factors Affecting the Use and Consequences of Management Accounting Practices in A Transitional Economy: The Case of Vietnam. *Journal of Economics and Development*, 18(1), 54–73.<https://doi.org/10.33301/2016.18.01.04>
- Fisher, C. (1996). The impact of perceived environmental uncertainty and individual differences on management information requirements: A research note. *Accounting, Organizations and Society*, 21(4), 361–369.[https://doi.org/10.1016/0361-3682\(95\)00029-1](https://doi.org/10.1016/0361-3682(95)00029-1)
- Fornell, C., & Larcker, DF (1981). Structural equation models with unobservable variables and measurement errors: Algebra and statistics. *Journal of Marketing Research*, 18(3), 382–388.<https://doi.org/10.1177/002224378101800313>
- Gerdin, J. (2005). The impact of departmental interdependencies and management accounting system use on subunit performance. *European Accounting Review*, 14(2), 297–327.<https://doi.org/10.1080/09638180500043485>
- Gerdin, J., & Greve, J. (2004). Forms of contingency fit in management accounting

- research—a critical review. *Accounting, Organizations and Society*, 29(3–4), 303–326.[https://doi.org/10.1016/S0361-3682\(02\)00096-X](https://doi.org/10.1016/S0361-3682(02)00096-X)
- Ghasemi, R., Azmi Mohamad, N., Karami, M., Hafiz Bajuri, N., & Asgharizade, E. (2016). The mediating effect of management accounting system on the relationship between competition and managerial performance. *International Journal of Accounting and Information Management*, 24(3), 272–295.<https://doi.org/10.1108/IJAIM-05-2015-0030>
- Gordon, LA, & Narayanan, VK (1984). Management accounting systems, perceived environmental uncertainty and organizational structure: An empirical investigation. *Accounting, Organizations and Society*, 9(1), 33–47.[https://doi.org/10.1016/0361-3682\(84\)90028-X](https://doi.org/10.1016/0361-3682(84)90028-X)
- GSO. (2020). General statistics office of Vietnam. Statistical Publishing House.<https://www.gso.gov.vn/en/data-and-statistics/2020/09/statistical-yearbook-2019/>
- Gul, FA, & Chia, YM (1994). The effects of management accounting systems, perceived environmental uncertainty and decentralization on managerial performance: A test of three-way interaction. *Accounting, Organizations and Society*, 19(4–5), 413–426.[https://doi.org/10.1016/0361-3682\(94\)90005-](https://doi.org/10.1016/0361-3682(94)90005-)
- AK (1987). SBU strategies, corporate-SBU relations, and SBU effectiveness in strategy implementation. *Academy of Management Journal*, 30(3), 477–500.<https://doi.org/10.5465/256010>
- Hair, JF, Hult, GTM, Ringle, CM, & Sarstedt, M. (2017). *A Primer on Partial Least Squares Structural Equation Modeling (PLS-SEM)*. SAGE Publications.
- Hartmann, FG (2005). The impact of departmental interdependencies and management accounting system use on subunit performance: A comment. *European Accounting Review*, 14(2), 329–334.<https://doi.org/10.1080/09638180500043527>
- He, Z. -L., & Wong, P. -K. (2004). Exploration vs. exploitation: An empirical test of the ambidexterity hypothesis. *Organization Science*, 15(4), 481–494.<https://doi.org/10.1287/orsc.1040.0078>
- Helfat, CE, Finkelstein, S., Mitchell, W., Peteraf, M., Singh, H., Teece, D., & Winter, SG (2007). *Dynamic capabilities: Understanding strategic change in organizations*. Blackwell Publishing.
- Henri, J. -F. (2006). Management control systems and strategy: A resource-based perspective. *Accounting, Organizations and Society*, 31(6), 529–558.<https://doi.org/10.1016/j.aos.2005.07.001>
- Henseler, J., Ringle, CM, & Sarstedt, M. (2015). A new criterion for assessing discriminant validity in variance-based structural equation modeling. *Journal of the Academy of Marketing Science*, 43(1), 115–135.<https://doi.org/10.1007/s11747-014-0403-8>
- Hoque, Z. (2011). The relations among competition, delegation, management accounting systems change and performance: A path model. *Advances in Accounting*, 27(2), 266–277.<https://doi.org/10.1016/j.adiac.2011.05.006>
- Hoque, Z., & James, W. (2000). Linking balanced scorecard measures to size and market factors: Impact on organizational performance. *Journal of Management Accounting Research*, 12(1), 1–17.<https://doi.org/10.2308/jmar.2000.12.1.1>
- Hoque, Z., Mia, L., & Alam, M. (2001). Market competition, computer-aided manufacturing and use of multiple performance measures: An empirical study. *The British Accounting Review*, 33(1), 23–45.<https://doi.org/10.1006/bare.2000.0149>
- Holland, J. (1999). Use of partial least squares (PLS) in strategic management research: A

- review of four recent studies. *Strategic Management Journal*, 20(2), 195–204.[https://doi.org/10.1002/\(SICI\)1097-0266\(199902\)20:2<195::AID-SMJ13>3.0.CO;2-7](https://doi.org/10.1002/(SICI)1097-0266(199902)20:2<195::AID-SMJ13>3.0.CO;2-7)
- Hult, GTM, Hurley, RF, & Knight, GA (2004). Innovativeness: Its antecedents and impact on business performance. *Industrial Marketing Management*, 33(5), 429–438.<https://doi.org/10.1016/j.indmarman.2003.08.015>
- Huynh, TLD (2019). Which Google keywords influence entrepreneurs? Empirical evidence from Vietnam. *Asia Pacific Journal of Innovation and Entrepreneurship*, 13(2), 214–230.<https://doi.org/10.1108/APJIE-11-2018-0063>
- Ismail, K., Isa, CR, & Mia, L. (2018). Evidence on the usefulness of management accounting systems in an integrated manufacturing environment. *Pacific Accounting Review*, 30(1), 2–19.<https://doi.org/10.1108/PAR-04-2015-0010>
- Jiménez-Jiménez, D., & Sanz-Valle, R. (2011). Innovation, organizational learning, and performance. *Journal of Business Research*, 64(4), 408–417.<https://doi.org/10.1016/j.jbusres.2010.09.010>
- Keskin, H. (2006). Market orientation, learning orientation, and innovation capabilities in SMEs. *European Journal of Innovation Management*, 9(4), 396–417.<https://doi.org/10.1108/14601060610707849>
- Le, HM, Tran, QT, & Do, TH (2020). Competition, strategy, management accounting information and firm performance. *Journal of Economics and Development*, 274(4), 93–102.<http://ktpt.neu.edu.vn/tap-chi/so-274/muc-luc-9/moi-quan-he-cua-canh-tranh-chien-luoc-thong-tin-ke-toan-quan-tri-va-ket-qua-hoat-dong-kinh-doan.379219.aspx>
- Le, HM, & Nguyen, NP (2019). The mediating role of dynamic capabilities in the relationship between management accounting information and competitive advantage: Empirical evidence in Vietnam. *Journal of Asian Business and Economic Studies*, 30(9), 22–44.http://jabes.uieh.edu.vn/Home/SearchArticle?article_Id=bb9bd79f-bdbe-4975-b3b5-be0e3274ed20
- Le, HM, Tran, QT, & Do, TH (2020). Competition, strategy, management accounting information and firm performance. *Journal of Economics and Development*, 274(4), 93–102.<http://ktpt.neu.edu.vn/tap-chi/so-274/muc-luc-9/moi-quan-he-cua-canh-tranh-chien-luoc-thong-tin-ke-toan-quan-tri-va-ket-qua-hoat-dong-kinh-doan.379219.aspx>
- Li, & Liu, J. (2014). Dynamic capabilities, environmental dynamism and competitive advantage: Evidence from China. *Journal of Business Research*, 67(1), 2793–2799.<https://doi.org/10.1016/j.jbusres.2012.08007>
- Liem, VT, & Hien, NN (2020). Exploring the impact of dynamic environment and CEO's psychology characteristics on using management accounting system. *Cogent Business & Management*, 7(1), 1–20.<https://doi.org/10.1080/23311975.2020.1712768>
- Luft, J., & Shields, MD (2003). Mapping management accounting: Graphics and guidelines for theory-consistent empirical research. *Accounting, Organizations and Society*, 28(2–3), 169–249.[https://doi.org/10.1016/S0361-3682\(02\)00026-0](https://doi.org/10.1016/S0361-3682(02)00026-0)
- Luu, TT (2017). Ambidextrous leadership, entrepreneurial orientation, and operational performance: Organizational social capital as a moderator. *Leadership & Organization Development Journal*, 38(2), 229–253.<https://doi.org/10.1108/LODJ-09-2015-0191>
- Lyon, DW, & Ferrier, WJ (2002). Enhancing performance with product-market innovation: The influence of the top management team. *Journal of Managerial Issues*, 14(4), 452–469.<https://www.jstor.org/stable/40604404>
- Martínez-Costa, M., Jiménez-Jiménez, D., & Dine Rabeah, HA (2019). The effect of organizational learning on interorganizational collaborations in innovation: An empirical study in SMEs. *Knowledge Management Research & Practice*, 17(2), 137–150.<https://doi.org/10.1080/14778238.2018.1538601>
- McKinnon, JL, Harrison, GL, Chow, CW, & Wu, A. (2003). Organizational Culture:

- Association with Commitment, Job Satisfaction, Propensity to Remain, and Information Sharing in Taiwan. *International Journal of Business Studies*, 11(1), 25–44.
- Mia, L., & Chenhall, RH (1994). The usefulness of management accounting systems, functional differentiation and managerial effectiveness. *Accounting, Organizations and Society*, 19(1), 1–13.[https://doi.org/10.1016/0361-3682\(94\)90010-8](https://doi.org/10.1016/0361-3682(94)90010-8)
- Mia, L., & Clarke, B. (1999). Market competition, management accounting systems and business unit performance. *Management Accounting Research*, 10(2), 137–158.<https://doi.org/10.1006/mare.1998.0097>
- Mia, L., & Winata, L. (2014). Manufacturing strategy and organizational performance. *Journal of Accounting & Organizational Change*, 10(1), 83–115.<https://doi.org/10.1108/JAOC-10-2011-0048>
- MPI. (2020). 2020 Vietnamese enterprise White Book. Statistical Publishing House.
- Nam, VH, & Tram, HB (2019). Business environment and innovation persistence: The case of small-and medium-sized enterprises in Vietnam. *Economics of Innovation and New Technology*, 1–23.<https://doi.org/10.1080/10438599.2019.1689597>
- Naranjo-Gil, D., & Hartmann, F. (2007). Management accounting systems, top management team heterogeneity and strategic change. *Accounting, Organizations and Society*, 32(7–8), 735–756.<https://doi.org/10.1016/j.aos.2006.08.003>
- Newbert, S.L. (2008). Value, rareness, competitive advantage, and performance: A conceptual-level empirical investigation of the resource-based view of the firm. *Strategic Management Journal*, 29(7), 745–768.<https://doi.org/10.1002/smj.686>
- Ngo, LV, Bucic, T., Sinha, A., & Lu, VN (2019). Effective sense-and-respond strategies: Mediating roles of exploratory and exploitative innovation. *Journal of Business Research*, 94, 154–161.<https://doi.org/10.1016/j.jbusres.2017.10.050>
- Ngo, VD, Janssen, F., Leonidou, LC, & Christodoulides, P. (2016). Domestic institutional attributes as drivers of export performance in an emerging and transitional economy. *Journal of Business Research*, 69(8), 2911–2922.<https://doi.org/10.1016/j.jbusres.2015.12.060>
- Nguyen, PN (2018). Performance implications of market orientation and use of management accounting systems: The moderating role of accountants' participation in strategic decision making. *Journal of Asian Business and Economic Studies*, 25(1), 33–49.<https://doi.org/10.1108/JABES-04-2018-0005>
- Nguyen, PN, & Doan, NQ (2016). Impact of market orientation and competitive pressure to the level of using management accounting information to improve firm performance in Vietnamese enterprises. *Journal of Economics and Development*, 27(11), 98–123.http://jabes.ueh.edu.vn/Home/SearchArticle?article_Id=1f90eefb-f7f3-4dfc-8054-d05fdeae8910
- Nguyen, TT, Mia, L., Winata, L., & Chong, VK (2017). Effect of transformational-leadership style and management control system on managerial performance. *Journal of Business Research*, 70, 202–213.<https://doi.org/10.1016/j.jbusres.2016.08.018>
- Nhon, HT, Thong, BQ, & Trung, NQ (2020). The effects of intellectual capital on information communication technology firm performance: A moderated mediation analysis of environmental uncertainty. *Cogent Business & Management*, 7(1), 1–18.<https://doi.org/10.1080/23311975.2020.1823584>
- Nunnally, JC, & Bernstein, IH (1994). *Psychometric theory* (3th ed.). McGraw-Hill, Inc.
- O'Reilly, CA, Chatman, J., & Caldwell, DF (1991). People and organizational culture: A profile comparison approach to assessing person-organizational fit. *Academy of*

- Management Journal, 34(3), 487–516.<https://doi.org/10.5465/256404>
- Otley, D. (2016). The contingency theory of management accounting and control: 1980–2014. *Management Accounting Research*, 31, 45–62.<https://doi.org/10.1016/j.mar.2016.02.001>
- Perera, S., Harrison, G., & Poole, M. (1997). Customer-focused manufacturing strategy and the use of operations-based non-financial performance measures: A research note. *Accounting, Organizations and Society*, 22(6), 557–572.[https://doi.org/10.1016/S0361-3682\(96\)00048-7](https://doi.org/10.1016/S0361-3682(96)00048-7)
- Phan, TTA (2019). Does organizational innovation always lead to better performance? A study of firms in Vietnam. *Journal of Economics and Development*, 21(1), 71–82.<https://doi.org/10.1108/JED-06-2019-0003>
- Podsakoff, PM, MacKenzie, SB, Lee, J.-Y., & Podsakoff, NP (2003). Common method biases in behavioral research: A critical review of the literature and recommended remedies. *Journal of Applied Psychology*, 88(5), 879–903.<https://doi.org/10.1037/0021-9010.88.5.879>
- Russell, RD, & Russell, CJ (1992). An examination of the effects of organizational norms, organizational structure, and environmental uncertainty on entrepreneurial strategy. *Journal of Management*, 18(4), 639–656.<https://doi.org/10.1177/014920639201800403>
- SM, & Zajac, EJ (1990). Perceptual and archival measures of Miles and Snow's strategic types: A comprehensive assessment of reliability and validity. *Academy of Management Journal*, 33(4), 817–832.<https://doi.org/10.5465/256292>
- Simons, R. (1990). The role of management control systems in creating competitive advantage: New perspectives. *Accounting, Organizations and Society*, 15(1–2), 127–143.[https://doi.org/10.1016/0361-3682\(90\)90018-P](https://doi.org/10.1016/0361-3682(90)90018-P)
- Simons, R. (1994). How new top managers use control systems as levers of strategic renewal. *Strategic Management Journal*, 15(3), 169–189.<https://doi.org/10.1002/smj.4250150301>
- Simons, R. (1995). Levers of control - How managers use innovative control systems to drive strategic renewal. Harvard Business School Press.
- Soobaroyen, T., & Poorundersing, B. (2008). The effectiveness of management accounting systems: Evidence from functional managers in a developing country. *Managerial Auditing Journal*, 23(2), 187–219.<https://doi.org/10.1108/02686900810839866>
- Subramaniam, N., & Mia, L. (2001). The relation between decentralized structure, budgetary participation and organizational commitment: The moderating role of managers' value orientation towards innovation. *Accounting, Auditing & Accountability Journal*, 14(1), 12–30.<https://doi.org/10.1108/09513570110381051>
- Tabachnick, BG, & Fidell, LS (2012). *Using multivariate statistics* (6th ed.). Pearson.
- Thang, NN, & Tuan, PA (2020). Knowledge acquisition, knowledge management strategy and innovation: An empirical study of Vietnamese firms. *Cogent Business & Management*, 7(1), 1–17.<https://doi.org/10.1080/23311975.2020.1786314>
- Tran, NP, & Vo, DH (2020). Human capital efficiency and firm performance across sectors in an emerging market. *Cogent Business & Management*, 7(1), 1–15.<https://doi.org/10.1080/23311975.2020.1738832>
- Tran, Y.T., & Nguyen, N.P. (2020). The impact of the performance measurement system on the organizational performance of the public sector in a transition economy: Is public accountability a missing link? *Cogent Business & Management*, 7(1), 1–17.<https://doi.org/10.1080/23311975.2020.1738832>

doi.org/10.1080/23311975.2020.1792669

- Trinh, TA, & Nguyen, NT (2017). Innovation of the firm: How to create performance from capability. *Journal of Economic Development*, 24(4), 64–84.<https://doi.org/10.24311/jabes/2017.24.4.4>
- Tsui, JS (2001). The impact of culture on the relationship between budgetary participation, management accounting systems, and managerial performance: An analysis of Chinese and Western managers. *The International Journal of Accounting*, 36(2), 125–146.[https://doi.org/10.1016/S0020-7063\(01\)00101-7](https://doi.org/10.1016/S0020-7063(01)00101-7)
- Wernerfelt, B. (1984). A resource-based view of the firm. *Strategic Management Journal*, 5(2), 171–180.<https://doi.org/10.1002/smj.4250050207>
- Windsor, CA, & Ashkanasy, NM (1996). Auditor independence decision making: The role of organizational culture perceptions. *Behavioral Research in Accounting*, 8, 80–97.
- Yuliansyah, Y., Khan, AA, & Fadhilah, A. (2019). Strategic performance measurement system, firm capabilities and customer-focused strategy. *Pacific Accounting Review*, 31(2), 288–307.<https://doi.org/10.1108/PAR-09-2018-0068>
- Zott, C. (2003). Dynamic capabilities and the emergence of intra-industrial differential firm performance: Insights from a simulation study. *Strategic Management Journal*, 24(2), 97–125.<https://doi.org/10.1002/smj.288>
- Le *et al.*, *Cogent Business & Management* (2020), 7: 1857594
<https://doi.org/10.1080/23311975.2020.1857594> Page

