

International Journal of Economic Research

by Rilla Gantino

Submission date: 27-May-2019 10:58AM (UTC+0700)

Submission ID: 1136352418

File name: performancemodelenvironmentaluncertainty.pdf (703.06K)

Word count: 4663

Character count: 27983

21

See discussions, stats, and author profiles for this publication at: <https://www.researchgate.net/publication/320101011>

Performance Model: Environmental Uncertainty, Decentralization of Authority and Business Strategy on Managerial Performance (Property and Real Estate and Food and Beverage Sectors...

33

Article in *International Journal of Economic Research* · September 2017

CITATIONS

0

9
1 author:



Rilla Gantino

Universitas Esa Unggul

12 PUBLICATIONS 1 CITATION

[SEE PROFILE](#)

READS

267

Some of the authors of this publication are also working on these related projects:



organic food [View project](#)



Pengaruh CSR dan GCG terhadap Kinerja [View project](#)



International Journal of Economic Research

ISSN : 0972-9380

available at <http://www.serialsjournal.com>

© Serials Publications Pvt. Ltd.

Volume 14 • Number 12 • 2017

Performance Model: Environmental Uncertainty, Decentralization of Authority and Business Strategy on Managerial Performance (Property and Real Estate and Food and Beverage Sectors Listed on Indonesia Stock Exchange)

Rilla Gantino¹, Endang Ruswanti¹, Taufiqur Rachman¹

¹Economic and Business Faculty, Esa Unggul University, Jakarta, Indonesia.

Abstract: This study aims to create a performance prediction model by calculating the influence of environmental uncertainty, decentralization of authority, business strategy on performance with management accounting information system variables as a mediation variable. The study used primary data by distributing questionnaires to 51 companies listed on Indonesia stock exchanges in property and real estate sector and food and Beverage sector. Data collected were 106 questionnaires from 32 companies (63%). Data processing shows that there is influence of environmental uncertainty on management accounting information system and performance. Further proves the effect of decentralization on management accounting information system and performance then proves the influence of management accounting information system on performance. However, management accounting information systems do not mediate the relationship of environmental uncertainty, decentralization of authority, business strategy on performance.

Keywords : Environmental Uncertainty, Decentralization of Authority, Business Strategy, Management Accounting Information System, Performance.

INTRODUCTION

Company activity is influenced by global economic condition. Companies must set strategies for facing competition in the global economic situation. Strategy as the determination of the basic long-term goals and objectives of an enterprise and the adoption of courses of action and the allocation of resources necessary for carrying these goals (Campbel *et. al.*, 2011:3) and business is organizations that try to create value for the customer (Gaspar *et. al.*, 2005:4). When companies run their activities, they ought to face uncertainty such as competition (Batemen and Snell, 2008:78). To deal deal with uncertain external environment the company performed a decentralized organization (Bateman and Snell, 2008:79) and

companies need to manage information (Griffin, 2012:81). According to the contingency approach, the level of information availability from management accounting system is not always the same for every organization, depend on the environmental uncertainty perception factors that affect the level of management accounting information needs (Agbejule, 2005; Gul, 1991).

Management accounting information systems assist managers in planning and controlling activities which is expected to facilitate the achievement of the objectives (Gul and Chia,1994; Atkinson *et. al.*, 2011:15). Through management accounting information systems, management accountants could formulate various strategies, make business plan, assist management in making decisions, protect corporate assets and compile various financial reports (Heidmann, 2008).

Dunk (2005), information system produces quality information that affects the performance improvement. Carton and Hofer (2006:4) explained that the performance is a measure of changes in the financial condition of an organization, or financial results of the implementation of management decisions by members of the organization. Performance is defined as the output or outcome of an organization and performance measurement can assist in the formulation and revision of the strategy (Gerson and Watkins, 2007:2; O'Toole and Meier, 2011: 2; Schulz *et. al.*, 2010; Mike and Neely, 2003).

Performance improvement aims to improve shareholder wealth, so strategies are needed to deal with environmental uncertainty. High levels of environmental uncertainty according to researcher observations are companies engaged in the food and beverage sector and property and real estate. This is due to impairment economic conditions, high competition and changes in taste. Weston and Copeland (1997: 35-36) states, food and beverage industry has characteristics such as easy entry into the market so that competition increases.

This study to create a performance prediction model from the effect of environmental uncertainty, decentralization of authority and business strategy on managerial performance. The objective of the study are as follow:

- (i) To determine the effect of environmental uncertainty on performance, mediated or not mediated by management accounting information system.
- (ii) To determine the effects of decentralization of authority on performance, mediated or not mediated by management accounting information system.
- (iii) To determine the effect of business strategies on performance, mediated or not mediated by management accounting information system
- (iv) To determine the effect of environmental uncertainty, decentralization of authority, business strategies on performance
- (v) To create performance prediction model

METHODOLOGY

Research Subject

All company from Property and Real Estate sector and food and beverage sector listed on the Indonesian stock exchange amount to 51 companies.

Procedures

This study uses primary data by spreading questionnaires to managers in two sectors. The statements on the questionnaire are based on dimensions and indicators that have been used by other researchers for each variable. Questionnaire results are filled by 5 managers for each company, calculated average, then processed to test the hypothesis.

Hypothesis base on theory and premise. The hypothesis in this study are:

Environmental Uncertainty and Managerial Performance

As Spicer cited from Milliken (1997:160), environmental uncertainty is an individual's perceived inability to predict an organization's environment accurately because of a lack of information, or an inability to discriminate between relevant and irrelevant data (John A. Wagner II *et. al.*, 2009:274; Strecker, 2009:64; Griffin and Moorhead, 2011:47; Daft and Marcic, 2010:56).

Daft *et.al* (2010:146), stated that uncertainty increases the risk of failure for organizational responses and makes it difficult to compute costs and probabilities associated with decision alternatives. Mia and Clarke (1999) stated that management accounting information system will support the company in facing competition challenge, helping to provide greater value-added than their competitors.

H1: Environmental uncertainties have positive significant influence on performance

H2: Environmental uncertainties have strong influence on performance mediated by management accounting information system

Decentralization and Managerial Performance

Decentralization is the tendency to disperse decision making authority in an organization structure (Koontz and Heinz Wehrich, 2008:18; Hansen and Mowen, 2006:418; Balakrishnan *et. al.*, 2008:663). Large organizations have complex activities, administration and other responsibilities (Gordon and Narayanan, 1984), It is necessary to delegate the authority and responsibility of top managers to subordinates. The delegation of authority is called decentralization of authority. (Gordon and Narayanan, 1984). Decentralized organization require well-developed and well-integrated information system. The flow of information and open communication between divisions and upper and lower management is critical. Information on individual segments and business lines is more readily available than ever before (Waterhouse and Tiessen, 1978; Muslichah, 2002).

Decentralized organizations provide extensive authority and responsibility so that organizations can provide easy access to the information needed in decision making because the source of information can be obtained directly by individual managers when running their activities (Galbraith, 1973). The role of accounting management to provide relevant information at different levels of decentralization (Gerloff, 1973; Gul and Chia, 1994; Muslichah, 2002 and Chia, 1995).

H₃ : Decentralization of authority have positive significant influence on performance

H₄ : Decentralization of authority have strong influence on performance mediated by management accounting information system

Strategy and Managerial Performance

Strategy is a complete plan to achieve company goals (Griffin and Ebert, 2006:249; Shank and Govindarajan, 1993:94; Maciariello and Kirby, 1994:188; Anthony and Govindarajan, 1998:10; Porter, 1998a:1). Then, a business strategy is a set of integrated plans or actions designed to gain a profit that exceeds competitors by maximizing profits Warren and Fees (2008:5).

The company's success is derived from the development and implementation of effective strategies assisted by management accounting information (Blocher *et. al.*, 2002:4)

H₅ : Business strategy have positive significant influence on performance

H₆ : Business strategy have strong influence on performance mediated by management accounting information system

Management Accounting Information System Managerial Performance

Performance is defined as an organization's output or outcome (Wang, 2010:5; Whitmore, 2009:95; Gerson and Watkins, 2007:2; Verweire and Berghe, 2004:5). Performance can be measured through financial or non-financial that illustrate different dimensions of management action (Said, *et.al.*, 2003 cited from Banker and Datar, 1989; Ittner and Larcker, 1998). Weston dan Copeland (1992:191), then measuring the company's financial performance can be through the classical approach (traditional financial ratios analysis), behavior approach, quantitative system, Seven-S, Quality Circle, EVA and MVA, Zeta Models, Cash Flow Ratios Analysis, and Z theory (Idrus dan Stanton 1991:245).

In many organisation the management accounting information system is the most developed of all the information systems and it is therefore critical that management accounting system is designed in accordance with the principles of system theory otherwise they will be less efficient (Lucey, 2003:1-2). Management accounting system is an information system that produces output by using various processes needed for certain purposes. The process can be described through various activities such as collecting, measuring, storing, analyzing, reporting, and managing information (Hansen and Mowen, 2006:4).

Information required is not only financial information but expanded to include operational information (non-financial), such as quality and processing time, as well as more subjective information such as job satisfaction measurement, employee skills, and new product performance (Atkinson *et. al.*, 2004:4).

That information generated by management accounting is oriented toward the future and provides information to managers within an organization to assist managers in planning, evaluation and control in order to achieve organizational goals and improve organizational performance (Procto, 2005:3-4; Atkinson *et. al.*, 2004:3, Rilla, 2015; Crosson and Needles, Jr, 2007: 29).

H₇ : Management accounting information system have positive significant influence on performance.

Table 1
Operationalization of Variables

<i>Variable</i>	<i>Dimension</i>	<i>Scale</i>
Environmental Uncertainty	Supplier, Customer, product/service , technology (Gordon and Narayanan (1984)	Ordinal
Decentralization	– nature of formalization – number of layers in hierarchy – level of horizontal integration – locus of decision making – level of communication (Nahm <i>et. al.</i> (2003)	Ordinal
Strategy	– Prospectors, – Analyzer, – Defender – Reactors (Miles and Snow, 1978)	Ordinal
Managerial Performance	– Planning, – Investigating – Coordinating – Evaluating – Supervising – Staffing – Negotiating – Representing (Mahoney <i>et. al.</i> 1963; Gul <i>et. al.</i> , 1994).	Ordinal
Management Accounting Information System	– Information system quality – Information quality – System use, – Service quality DeLone and McLean (2008), N. Gorla <i>et. al.</i> (2010)	Ordinal

RESULTS

After 1.5 months of data collection, obtained answers from 32 companies. The results of data processing as follows:

Table 2
Validity and Reliability

<i>Var</i>	<i>Validity</i>			<i>Reliability</i>	
	<i>r hitting</i>	<i>r table</i>	<i>r hitting > r table</i>	<i>Cronbach a</i>	<i>Cronbach a > r table</i>
X _{1,1}	.612	.339	Valid	.842	Reliable
X _{1,2}	.734	.339	Valid	.842	Reliable
X _{1,3}	.709	.339	Valid	.842	Reliable

Contd. table 2

Var	<i>r</i> hitting	<i>r</i> table	Validity		Reliability	
			<i>r</i> hitting > <i>r</i> table	Cronbach <i>a</i>	Cronbach <i>a</i> > <i>r</i> table	
X _{1,4}	.511	.339	Valid	.842	Reliable	
X _{1,5}	.680	.339	Valid	.842	Reliable	
X _{1,7}	.727	.339	Valid	.842	Reliable	
X _{2,1}	.582	.339	Valid	.736	Reliable	
X _{4,1}	.445	.339	Valid	.736	Reliable	
X _{4,2}	.285*)	.339	Valid	.540	Reliable	
X _{4,3}	.349	.339	Valid	.540	Reliable	
Y _{1,1}	.509	.339	Valid	.540	Reliable	
Y _{1,2}	.612	.339	Valid	.846	Reliable	
Y _{1,3}	.456	.339	Valid	.846	Reliable	
Y _{1,4}	.756	.339	Valid	.846	Reliable	
Y _{1,5}	.547	.339	Valid	.846	Reliable	
Y _{1,6}	.659	.339	Valid	.846	Reliable	
Y _{1,7}	.731	.339	Valid	.846	Reliable	
Y _{1,8}	.563	.339	Valid	.846	Reliable	

*) Indicator X_{4,2} has *r* value (Corrected Item Total Correlation) < *r* table (0.349), it is concluded that the questionnaire indicators of this variable are declared invalid. But this indicator will not be deleted because it will cause the Alpha decrease to 0.537

Correlation Analysis

This research uses Pearson Product Moment correlation coefficient to evaluate the linear relationship between two variables. Evans (1996) suggest for the absolute value of *r*:

.00-.19 very weak (vw); .20-.39 weak (w); .40-.59 moderate (m); .60-.79 strong (s); .80-1.0 very strong (vs).

Table 3
Correlation

Output		$\frac{1}{n}$ (X ₁)	DA (X ₂)	BS (X ₃)	MAIS (X ₄)	MGP (Y)	X ₁ -X ₂	X ₁ -X ₃	X ₁ -X ₄	X ₁ -Y
EnUn (X ₁)	Pearson correlation	1	.225	-.071	.240	.071				
	Sig. (2-tailed)		.216	.697	.186	.699	W	S	VW	S
	N	32	32	32	32	32				
DA (X ₂)	Pearson correlation	.225	1	.166	.056	.255				
	Sig. (2-tailed)	.216		.364	.761	.159	W	S	VW	
	N	32	32	32	32	32				

Contd. table 3

Performance Model: Environmental Uncertainty, Decentralization of Authority and Business Strategy on Managerial...

Output		EnUn (X ₁)	DA (X ₂)	BS (X ₃)	MAIS (X ₄)	MGP (Y)	X ₁ -X ₂	X ₁ -X ₃	X ₁ -X ₄	X ₁ -Y
							X ₃ -X ₄	X ₃ -Y		
BS (X ₃)	Pearson correlation	-.071	.166	1	.194	-.217				
	Sig. (2-tailed)	.697	.364		.288	.234	W	W		
	N	32	32	32	32	32				
							X ₄ -Y			
MAIS (X ₄)	Pearson correlation	.240	.056	.194	1	-.111				
	Sig. (2-tailed)	.186	.761	.288		.546	S			
	N	32	32	32	32	32				
MGP (Y)	Pearson correlation	.071	.255	-.217	-.111	1				
	Sig. (2-tailed)	.699	.159	.234	.546					
	N	32	32	32	32	32				

Table 4
T test MAIS

		Unstandardized Coefficients		Unstandardized Coefficients					
Model		B	Std. Error	Beta	T	Sig.	Collinearity Tolerance	Statistics VIF	
1	(Constant)	3.277	.370		8.856	.000			
	EnUn (X ₁)	.077	.054	.265	1.432	.163	.937	1.067	
	DA(X ₂)	-.022	.103	-.040	-.213	.833	.916	1.092	
	BS (X ₃)	.033	.027	.219	1.200	.240	.960	1.042	

a. Dependent variable: MAIS (X₄)

If sig > 0.05 then H₀ accepted

$$X_4 = 3.277 + 0.077X_1 - 0.022X_2 + 0.033X_3 + e$$

Table 5
T test MGP

		Unstandardized Coefficients		Unstandardized Coefficients					
Model		B	Std. Error	Beta	t	Sig.	Collinearity Tolerance	Statistics VIF	
1	(Constant)	2.914	1.892		1.540	.135			
	EnUn (X ₁)	.004	.145	.005	.026	.979	.873	1.145	
	DA(X ₂)	.433	.269	.300	1.608	.119	.915	1.093	
	BS (X ₃)	-.098	.073	-.251	-1.341	.191	.913	1.095	
	MAIS (X ₄)	-.211	.496	-.080	-.426	.673	.896	1.116	

a. Dependent variable: MGP (Y)

$$Y = 2.914 + 0.004X_1 + 0.433X_2 - 0.098X_3 - 0.211X_4 + e$$

H₀: Environmental uncertainties have influence on performance

H₁: Environmental uncertainties have positive significant influence on performance

Result: H₀ accepted

$$Y = 2.914 + 0.004X_1 + e \quad \dots(1)$$

H₀: Decentralization of authority have influence on performance

H₃: Decentralization of authority have positive significant influence on performance.

Result: H₀ accepted

$$Y = 2.914 + 0.433X_2 + e \quad \dots(3)$$

H₀: Business strategy have influence on performance

H₅: Business strategy have positive significant influence on performance.

Result: H₀ accepted

$$Y = 2.914 - 0.098X_3 + e \quad \dots(5)$$

H₀: Management accounting information system have influence on performance

H₇: Management accounting information system have positive significant influence on performance

Result: H₀ accepted

$$Y = 2.914 - 0.211X_4 + e \quad \dots(7)$$

Tabel 6
Model Summary MAIS

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.322 ^a	.104	.008	.12205

a. Predictors: (Constant), BS(X₂), EnUn(X₁), DA(X₃)

b. Dependent variable: MAIS(X₄)

R² square = 0.104 this means that 10.4% of the X₄ variance can be explained by X₁, X₂ and X₃. While 89.6% is explained by other factors outside the model.

Table 7
Anova MAIS

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	.048	3	0.16	1.080	.373 ^b
	Residual	.417	28	.015		
	Total	.465	31			

a. Dependent variable: MAIS(X₄)

b. Predictors: (Constant), BS(X₂), EnUn(X₁), DA(X₃)

Performance Model: Environmental Uncertainty, Decentralization of Authority and Business Strategy on Managerial...

The table above shows the sig value = 0.373 > 0.05, means that independent variables simultaneously have no significant effect on the dependent variable (MAIS/ X_4).

Table 8
Model Summary MGP

Model summary ^a				
Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.374 ^a	.140	.013	.32010

a. Predictors: (Constant), MAIS(X_4), DA(X_2), BS(X_3), EnUn(X_1)

b. Dependent variable: MGP(Y)

square = 0.140 this means that 14% of the Y variance can be explained by X_1 , X_2 , X_3 and X_4 . While 86% is explained by other factors outside the model.

Table 9
Anova MGP

Anova ^a						
Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	.451	4	.113	1.099	.377 ^b
	Residual	2.766	27	.102		
Total		3.217	31			

a. Dependent variable: MGP(Y)

b. Predictors: (Constant), MAIS(X_4), DA(X_2), BS(X_3), EnUn(X_1)

The table above shows the sig value = 0.377 > 0.05, means that independent variables simultaneously have no significant effect on the dependent variable (MGP/Y).

Table 10
Total Effects

Total Effects (Group number 1—Default model)				
Model	BS X_3	DA X_2	EnUn X_1	MAIS X_4
MAIS X_4	.033	-.022	.077	.000
MGPY	-.105	.438	-.012	-.211
MAIS X_4	.033	-.022	.077	.000
MGPY	-.098	.433	-.004	-.211
MAIS X_4	.000	.000	.000	.000
MGPY	-.007	.005	-.016	.000

H_0 : Environmental uncertainties have influence on performance without mediated by management accounting information system.

H₂ : Environmental uncertainties have strong influence on performance mediated by management accounting information system.

Result: H₀ accepted.

$$Y = 2.914 + 0.004X_1 - 0.12z + e \quad \dots(2)$$

H₀ : Decentralization of authority have influence on performance without mediated by management accounting information system.

H₄ : Decentralization of authority have strong influence on performance mediated by management accounting information system.

Result: H₁ accepted.

$$Y = 2.914 + 0.433X_2 + 0.438z + e \quad \dots(4)$$

H₀ : Business strategy have influence on performance without mediated by management accounting information system.

H₆ : Business strategy have strong influence on performance mediated by management accounting information system.

Result: H₀ accepted.

$$Y = 2.914 - 0.98X_3 + 0z + e \quad \dots(6)$$

DISCUSSION

This study proves the influence of environmental uncertainty on management accounting information system and performance. Further proves the effect of decentralization on management accounting information system and performance then proves influence of management accounting information system on performance. However, management accounting information systems do not mediate the relationship of environmental uncertainty, decentralization of authority, business strategy on performance.

Based on hypothesis test results from 32 firms, all of them show that H₀ is accepted, only X₁ - X₃, X₁ - Y, X₂ - X₄, and X₄ - Y show strong relationship coefficients, direct relationship has greater value than if using mediation management accounting information System in all variables X except X₂ (partial) is negative, although the influence of each variable X to Y is not significant. It is also shown that Y can be explained only by X₂, X₃, X₄ and X₁ by 14%. However, this research supports the research by Chong and Chong (1997); Muslichah (2002); Ritonga (2009); Hammad, Jusoh and Nee Oon (2010); Chiou (2011); Chung, Fang Su and Ju, Su (2012); Suzanne Salmon (2013). For further research, it is important to separate respondents from the industrial sector used.

The influence of X₁ (environmental uncertainty) is very weak on the management accounting information system, but very strong against Y (performance). This means the company must always monitor the dynamic environment (external environment) so that performance does not go down. A procedure is needed to monitor uncertain environment.

There is a strong influence of X₂ on the management accounting information system. This means that the company needs to give higher authority in order that the manager can monitor the uncertainty of the environment and take the necessary action.

Weak influence of business strategy on management accounting information systems and performance. But there is a strong relationship between management accounting information systems for performance. This means companies need to design a management accounting information system in order to facilitate managers to coordinate because high decentralization needs a system to coordinate.

This study has not been able to distinguish between the effects of environmental uncertainty, the decentralization of authority on management accounting information systems and on performance based on business strategies from both sectors. It will be the researcher's goal for further research.

REFERENCES

- Agbejule, A and Burrowes, A. (2007), *Perceived Environmental Uncertainty, Supply Chain Purchasing Strategy, and Use of MAS Information: An Empirical Study of Finish Firms*. *Managerial Auditing Journal*, 22(9), 913-927.
- Atkinson, Anthony A., Kaplan. Robert S. (2004), *Management Accounting*. Fourth Edition. Pearson Prentice Hall. New Jersey. USA.
- Balakrishnan, Ramji, Konduru Sivarama-krishnan, (2008), Geoff Sprinkle. *Managerial Accounting*. Library Congress. USA.
- Batemen and Snell. (2008), *Manajemen 1*. Edisi 7. Salemba Empat. Jakarta.
- Blocher, Edward J, Chen, Kung H., Thomas W. Lin. (2002), *Cost Management A Strategic Emphasis*. 2nd ed. Boston, Mass McGraw-Hill/Irwin.
- Bourne, Mike and Andy Neely. (2003), *Implementing Performance Measurement Systems: a literature review*. *Int. J. Business Performance Management*, Vol. 5, No. 1, 2003.
- Campbell David, David Edgar, George. (2011), *Business Strategy: An Introduction*. Palgrave Macmillan. New York.
- Carton, Robert B., Hofer, Charles W. (2006), *Measuring Organizational Performance: Metrics for Entrepreneurship and Strategic Management Research*. Edward Elgar Publishing. USA.
- Chiou, Bing-Chyan. (2011), Which Types of Management Accounting System Information Can Be Used to Respond Adequately to Environmental Uncertainty? The Effects of User Participation and Tolerance of Ambiguity. *African Journal of Business Management*. Vol. 5(34), pp. 13293-13301, December 2011.
- Chong, Vincent K, Chong, Kar Ming (1997), *Strategic Choices, Environmental Uncertainty and SBU Performance: A Note on the Intervening Role of Management Accounting Systems*. *Accounting and Business Research*. Taylor and Francis Group.
- Crosson, Susan V., Belverd E. Needles, Jr. (2011), *Managerial Accounting*. Eighth Edition. Houghton Mifflin Company Boston New York.
- Chung, Shao-Hsi, Fang Su, Ying- and Yu-Ju, Su. (2012), Broad Scope Management Accounting System and Managerial Performance: The Impact of Role Ambiguity and Functional Difference. *AFRICAN Journal of Business Management*. Vol. 6(30), pp. 8873-8878, August 2012.
- Daft, Richard L., Murphy. J. Willmott, H. (2010), *Organization Theory and Design*. Ninth Edition, South Western Cengage USA.
- Dunk, Alan S. (2005), *Financial and Non-Financial Performance: The Influence of Quality of Information System Information, Corporate Environmental Integration, Product Innovation, and Product Quality*. *Advances in Management Accounting*, Volume 14, Emerald Group Publishing Limited, pp. 91-114.
- Ebert, Ronald J dan Griffin, Ricky W (2006), *Bisnis*. Edisi 8. Jilid 1. Erlang-ga. Jakarta.
- Galbraith. Jay. R. (1973), *Organization Design: An Information Processing View*.
- Gaspar, Julian, Bierman, Leonard, Kolari, James. (2005), *Introduction to Business*. Houghton Mifflin Company. Boston New York.

- Gerloff, Edwin A and Jerry C. Wofford. (1973), Engineering Management: Abstractions, Analysis, And Clones Do Not A Manager Make. *Engineering Management International*, Volume 1, Issue 1, July 1981, Pages 29-39.
- Gordon dan Narayanan. (1984), *Management Accounting System, Perceived Environmental Uncertainty And Organization Structure: An Empirical Investigation*. *Accounting, Organizations and Society*. Vol. 9. No. 1. 1984: 33-47.
- Griffin, Ricky W. (2012), *Management*. Eleventh Edition. South Western Cengage Learning
- Griffin, Ricky W., Moorhead, Gregory. (2011), *Organizational Behavior: Managing People and Organizations*. Tenth Edition. South Western Cengage Learning.
- Gul, F.A. dan Yew M. Chia. (1994), *The Effects of Management Accounting Systems, Perceived Environmental Uncertainty and Decentralization on Managerial Performance*. *Accounting Organizations and Society*. Vol. 19. pp. 413-426.
- Hammad. Salah A., Ruzita Jusoh, Elaine Yen Nee Oon. (2010), *Management Accounting System For Hospitals: A Research Framework*. *Industrial Management and Data Systems*. Volume 110, Issue 5.
- Hansen, Don R., Mowen, Maryanne M. (2006), *Cost Management, Accounting and Control*. Fifth Edition. Thomson South Western. South Western Cengage USA.
- Heidmann, Marcus., Schäffer, Utz., Strah-ringer, Susanne . (2008), *Exploring the Role of Management Accounting Systems in Strategic Sensemaking*. *Information Systems Management*, 25: 244–257 Taylor and Francis Group, LLC.
- Idrus, M.S. dan J.J. Stanton. (1991), *A Strategic Planning Approach to the Evaluation of Performance, A Theoretical Framework*. *Asia Pacific International Management Forum*, (Vol. 17, No. 1), 21-35.
- Ittner, Christopher D, Larcker, David F. (1998), Are Nonfinancial Measures Leading Indicators of Financial Performance? An Analysis of Customer Satisfaction. *Journal of Accounting Research*, Vol. 36.
- Kirby, J. and Joseph A. Machiariello. (1994), *Management Control System*. Texas.
- Kirmizi Ritonga. (2009), Perceived Environmental Uncertainty, Management Accounting Infor-Mation Systems And Decentralization. *Jurnal Akuntansi Dan Auditing Indonesia (Jaii)*, Vol. 13, No. 1 (2009).
- Koonz, Harolds, Heins Wehrich. (2010), *Essentials of Management*. Eight Edition. The McGraw Hill Company. New Delhi. India.
- Laksmana, A dan Muslichah. (2002), Pengaruh Teknologi Informasi, Saling Ketergantungan, Karakteristik Sistem Akuntansi Manajemen Terhadap Kinerja Manajerial. *Jurnal Akuntansi and Keuangan*. 4(2), 106-125.
- Lucey, Terence. (2003), *Management Accounting*. Fifth Edition. Great Britain.
- Mahoney, Thomas Arthur. (1963), *Development Managerial Performance: A Research Approach*. South Western Publishing Company. Minnesota.
- Mia, L dan Brian Clarke. (1999), *Market Competition, Management Accounting Systems and Business Performance*. *Management Accounting Research*, Vol. 10. Pp. 137-158.
- O'Toole, Laurence J. Jr., Meier, Kenneth J. (2011), *Public Management: Organizations, Governance, and Performance*. Cambridge Univesity Press. UK.
- Porter, M. E. (1998), *The Competitive Advantage: Creating and Sustaining Superior Performance*. NY: Free Press.
- Proctor, Tony. (2005), *Problem Solving for Managers: Developing Skills for Decision Making and Innovation*. Second Edition. Routledge. New York.
- Rilla Gantino, (2015), Pengaruh Ketidak-pastian Lingkungan, Desentralisasi Kewe-nangan dan Interdependensi antar Depar-temen terhadap Keberhasilan Penerapan Sistem Informasi Akuntansi Manajemen dan Implikasinya terhadap Kinerja Manajerial (Survaey pada Sektor Barang Konsumsi yang Terdaftar di Bursa Efek Indonesia), Disertasi UNPAD. Bandung
- Said, Amal A. (2003), An Empirical Inves-tigation of the Performance Consequences of Nonûnancial Measures. *Journal of Management Accounting Research*, Volume Fifteen 2003 pp. 193–223 Biddles Ltd.

Performance Model: Environmental Uncertainty, Decentralization of Authority and Business Strategy on Managerial...

- Shank, John K., and Vijay Govindarajan. (1993), *Strategic Cost Management: The New Tool for Competitive Advantage*. New York: Free Press.
- Salmon, Suzanne. (2013), Role Ambiguity as a Mediator of the Effect of Integrative Management Information on Managerial Performance: An Empirical Study in Australia. *International Journal of Management* 30.1 (Mar 2013): 175-192.
- Schulz, Axel K-D, Wub, Anne Chow, Chee W. (2010), *Environmental Uncertainty, Comprehensive Performance Measurement Systems, Performance-Based Compensation, and Organizational Performance*. *Asia-Pacific Journal of Accounting and Economics* 17(2010): 17-40.
- Spicer, Christopher. (1997), *Organizational public relations: a political perspective*. Lawrence Earlbaum Associate. New York.
- Strecker, Nanja. (2009), *Innovation Strategy and Firm Performance: An empirical study of publicly listed firms*. Springer Science and Business Media.
- Wagner III, John A., John R. Hollenbeck. (2009), *Organizational Behavior: Securing Competitive Advantage*. Fifth Edition. Routledge New York.
- Waterhouse, J. H. and P. Tiessen. (1978), *A Contingency Framework For Management Accounting Systems Research*. *Accounting, Organizations and Society*, 1978, vol. 3, issue 1, pages 65-76.
- Wang, Xiao Hu. (2010), *Performance Analysis for Public and Nonprofit Organizations*. Jones and Bartlett Learning Florida.
- Warren, Carl S, Reeve, James M, Jonathan Duchac. (2008), *Accounting*. Edition 23. Cengage Learning USA.
- Watkins, Ryans. (2007), *Performance by Design: The Systematic Selection, Design, and Development of Performance Technologies That Produce Useful Results*. HRD Inc. Canada.
- Weston, J. F., Copeland, T. E. (1992), *Manajemen Keuangan*. Terjemahan oleh Jaka Wasana dan Kibrandoko. Edisi Kesembilan. Jilid 1. Binarupa Aksara. Jakarta.
- Whitmore, Sir John. (2009), *Coaching for Performance: GROWing Human Potential and Purpose : the Principles and Practice of Coaching and Leadership People skills for professionals*. Nicholas Brealey.
- Verweire, Kurt And Lutgart Van Den Berghe. (2004), *Integrated Performance Management A Guide to Strategy*. Implementation. Sage Publication. London.

International Journal of Economic Research

ORIGINALITY REPORT

27 %

SIMILARITY INDEX

17 %

INTERNET SOURCES

9 %

PUBLICATIONS

25 %

STUDENT PAPERS

PRIMARY SOURCES

1

Submitted to Universitas Diponegoro

Student Paper

2 %

2

Submitted to Universitas Mercu Buana

Student Paper

2 %

3

Submitted to Trisakti University

Student Paper

1 %

4

herkules oulu.fi

Internet Source

1 %

5

Submitted to University of Newcastle

Student Paper

1 %

6

Submitted to CSU Office of the Chancellor

Student Paper

1 %

7

www.managusamv.ro

Internet Source

1 %

8

link.springer.com

Internet Source

1 %

9

www.scribd.com

Internet Source

1 %

10 scholarship.shu.edu 1%

Internet Source

11 mafiadoc.com 1%

Internet Source

12 media.neliti.com 1%

Internet Source

13 Submitted to University of Southampton 1%

Student Paper

14 www.mb.utwente.nl 1%

Internet Source

15 www.ijsrp.org 1%

Internet Source

16 asq.org 1%

Internet Source

17 Submitted to KCA University 1%

Student Paper

18 Submitted to Universitas Katolik Indonesia 1%

Atma Jaya

Student Paper

19 Submitted to 86295 1%

Student Paper

20 statistics.ats.ucla.edu 1%

Internet Source

oer-crutech.net

21

Internet Source

1%

22

"Knowledge Management in Organizations",
Springer Science and Business Media LLC,
2015

Publication

<1%

23

Submitted to University Of Tasmania

Student Paper

<1%

24

bigbanguk.com

Internet Source

<1%

25

Submitted to American University in the
Emirates

Student Paper

<1%

26

ar.scribd.com

Internet Source

<1%

27

Submitted to Universitas 17 Agustus 1945
Surabaya

Student Paper

<1%

28

hupages.com

Internet Source

<1%

29

Submitted to University of Pretoria

Student Paper

<1%

30

Submitted to University of Malaya

Student Paper

<1%

31	Submitted to University of Durham Student Paper	<1%
32	Submitted to Midlands State University Student Paper	<1%
33	Submitted to University of Philadelphia - Jordan Student Paper	<1%
34	eprints.unsri.ac.id Internet Source	<1%
35	vdocuments.site Internet Source	<1%
36	Submitted to TAFE Queensland Brisbane Student Paper	<1%
37	repository.ut.ac.id Internet Source	<1%
38	"Proceedings of Second International Conference on Electrical Systems, Technology and Information 2015 (ICESTI 2015)", Springer Science and Business Media LLC, 2016 Publication	<1%
39	Submitted to Universitas Muria Kudus Student Paper	<1%
40	repository.unhas.ac.id Internet Source	<1%

41	www.joim.pl Internet Source	<1%
42	Akira Nishimura. "Management Accounting", Springer Nature, 2003 Publication	<1%
43	Submitted to Universiti Teknologi MARA Student Paper	<1%
44	gbu007.blogspot.co.uk Internet Source	<1%
45	www.emeraldinsight.com Internet Source	<1%
46	ore.exeter.ac.uk Internet Source	<1%
47	Julia Maurer. "Relationships between Foreign Subsidiaries", Springer Nature, 2011 Publication	<1%
48	Submitted to Universiti Teknologi Malaysia Student Paper	<1%
49	Submitted to Institute of Graduate Studies, UiTM Student Paper	<1%
50	Iskandar Muda, Hasan Sakti Siregar, Isfenti Sadalia, Gerry Chandra. "The effect of Lerner Index and income diversification on the general bank stability in Indonesia", Banks and Bank	<1%

Systems, 2017

Publication

51

Submitted to DISTED College

Student Paper

<1%

52

Jihene Ghorbel. "A Study of Contingency Factors of Accounting Information System Design in Tunisian SMI", Journal of the Knowledge Economy, 2017

Publication

<1%

Exclude quotes On

Exclude matches Off

Exclude bibliography On