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Abstract

The study sought to examine the effect of environmental dynamism on the relationship between organizational ambidexterity and performance of large manufacturing firms (LMFs) in Kenya. The studies linking ambidexterity to organizational performance are scanty and with mixed findings. The research was founded on dynamic capabilities and contingency theories. Based on the literature review, a conceptual model and hypotheses were formulated to guide the study. Positivism philosophy provided foundation for the research. The population of the study comprised all the 107 large manufacturing firms in Kenya. A census survey was adopted. Data was collected across the large manufacturing firms in Kenya. A structured Likert type questionnaire was used to collect the primary data in respect of predictor variables. The respondents were the senior managers of the large manufacturing firms in Kenva: namely Chief **Executive** Officers/Managing Directors(CEOs/MDs or General Managers(GMs), or Heads of departments(HODs). Data was analyzed using descriptive statistics, correlations analyses, and regression models. The research results revealed no significant moderating effect of environmental dynamism on the influence of organizational ambidexterity on the performance of large manufacturing firms in Kenya.

Keywords: Organizational ambidexterity, Moderating effect, Environmental Dynamism, Performance, Large Manufacturing firms in Kenya

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Introduction

The consensus is increasing among scholars organizational ambidexterity important for business sustainability but it is not easily achievable (O'Reilly & Tushman, 2008). The exploitative and explorative activities in ambidexterity exhibit opposing features, and require diverse structural designs and supportive organizational contexts (Raisch Birkinshaw, 2008). The resultant tensions and potential intra-organizational conflict may require trade-offs, often resulting in organizations favouring one activity at the expense of the other, thus making organizational ambidexterity difficult (Ghemawat & Costa, 1993). Further, the contingency perspective recognizes that organizational ambidexterity influence on performance is subject to external factors, including environmental dynamism (Lawrence & Lorsch, 1967). Although has conducted research been organizational ambidexterity moderators, researchers have not adequately confirmed the nature of environmental dynamism effect on the performance of organizations (Tamayo -Torres, Roehrich & Lewis, 2017).

The Kenyan manufacturing sector has great prospects for spurring growth in other sectors, including export and is one of the government's "Big Four agenda" pillars towards the attainment of Vision 2030 (GOK, 2018). However, the manufacturing sector GDP contribution declined from 10% in 2014 to 7.8% in 2018, while its growth is erratic; 2.5% in 2014, 3.6% in 2015, 3.1% in 2016, 0.7% in 2017 and 4.3% in 2018 (KNBS, 2019). The declining and erratic manufacturing firms' performance compounded by a fast-changing business environment curtails their ability to maximize current business potential and keep pace with environmental changes through innovation, thus threatening their survival. The declining performance also suggests that the strategies deployed have not been effective in enhancing performance.

The environmental changes and competition in the sector may require organizational ability to be ambidextrous. This suggests that the manufacturing sector's performance may be influenced by its capacity for ambidexterity. However, it is not clear whether and how organizational ambidexterity influences the performance of Kenya's large manufacturing firms (LMFs). Also, there are limited studies conducted on organizational ambidexterity in the Kenyan manufacturing sector.

Despite the theoretical ambidexterityorganizational performance nexus, empirical studies testing this relationship are scanty and have yielded inconsistent results (Junni, Sarala, Taras & Tarba, 2013). Whereas some studies (Tamayo-Torres, et al., 2017) reported positive ambidexterity organizational performance relationship, Venkatraman, Lee and Lyer (2007) did not find a direct relationship. Popadic, Cerne & Milohnic (2015) reported negative effects. This inconsistency in the findings suggests that there may be other factors mediating or moderating the relationship.

Studies on environmental dynamism moderating effect on the organizational ambidexterity-performance relationship reported inconsistent have findings. Whereas some studies (Tamayo-Torres et al., 2017; Girod & Whittington, 2017; and Halevi, Carmeli & Brueller, 2015) reported positive environmental dynamism moderating effect, Mwazumbo (2016) reported negative moderating effects. The above empirical studies have reported inconsistent results on the organizational ambidexterity, environmental dynamism, organizational performance and relationships. Overall, there thus exist conceptual, contextual, and methodological gaps. Therefore, this study seeks to answer the question; what is the effect of environmental dynamism in the relationship between organizational ambidexterity performance and of organizations?

Literature Review

Organizational Ambidexterity

Duncan (1976) pioneered the concept of organizational ambidexterity, defining it as the capability of an organization to be simultaneously aligned and adaptive. In this study, the definition adopted is the capacity of the organization to simultaneously exploit and explore (Patel, Messersmith & Lepak, 2013). Organizational ambidexterity is critical for enduring organizational success and survival, but also difficult to attain (Ghemawat & Costa, 1993).

In addition, empirically tested research findings on organizational ambidexterity and performance relationship are scanty and inconclusive (Junni et al., 2013). Some studies; Hill and Birkinshaw (2014), Fu, Flood, and Morris (2016), and Tamayo-Torres et al. (2017) reported positive organizational ambidexterity effect on organizational performance. On the other hand, there were also studies that organizational established negative ambidexterity influence on performance. These include studies by Popadic et al. (2015) and Ebben and Johnson (2005). Further, studies by Venkatraman et al. (2007) established no relationship between organizational ambidexterity performance. These mixed findings implies that other factors mediate or moderate the relationship. However, empirical studies on environmental dynamism moderating effect on the ambidexterity - performance relationship have reported mixed results (Tushman & O'Reilly, 1996).

Environmental Dynamism

Among the broadly studied strategic management concepts is environmental dynamism. It denotes the extent and instability of variation of the organization's macro- environment, characterized by the environment's volatility and unpredictability (Dess & Beard, 1984). Accordingly, organizations can be located on an environmental scale from stable to dynamic, with stable environments depicted by infrequent changes, while highly dynamic environments have rapid and discontinuous changes (Zhou & Wu, 2010).

The construct is important due to its influence on relations among several firmlevel concepts; for example organization's structural design (Lawrence & Lorsch, 1967), strategic management process (Prajogo, 2016), and performance outcomes (Keats & Hitt, 1988). The increased uncertainty, unclear relationships, inappreciable future constrain effectiveness and timeliness in decision making; hence performance (Eisenhardt, Strategy scholars 1989). recognize environmental dynamism significance and hold that no single strategy is appropriate to all situations, hence organizations have to embrace diverse plans to align to the dynamic business environment (Mintzberg, 1979). According to Raisch and Birkinshaw exploitative (2008)and explorative activities in ambidexterity exhibit opposing supportive features, and require including organizational contexts, environmental dynamism. This study seeks to establish environmental dynamism effect organizational ambidexterity performance relationship.

Organizational Ambidexterity, Environmental Dynamism, and Performance

Environmental dynamism an environmental characteristic and denotes the degree and volatility of variation in an entity's macro - environment (Dess & Beard, 1984), with attributes such as technological fluctuations. consumer preferences, and inputs supply (Jansen, Tempelaar, Van den Bosch & Volberda, 2009). The implication is that it determines certainty and predictability, which affect decision making and performance. These relationship suggest a between dynamism environmental and organizational performance (Volberda & Lewin, 2003).

Researchers have reported mixed findings ambidexterity environmental dynamism relationship and therefore performance. In their study, Halevi et al. (2015) found significant environmental dynamism moderating effect on Top Management Team (TMT) behavioural integration influence on ambidexterity. However, findings generalization is limited due to methodological challenges of common method bias. Empirical study findings by Ebben and Johnson (2005) suggest positive ambidexterity - firm performance relationship environmental dynamism conditions. Girod Whittington (2017) study reconfiguration and restructuring, dynamic capabilities and environmental dynamism roles on firm performance found a positive environmental dynamism moderating effect on reconfiguration - firm performance and negative environmental dynamism effect on restructuring firm performance relationships. However, the study used economic performance measures only.

Tamayo-Torres et al. (2017) studied environmental dynamism and organizational ambidexterity effect on manufacturing performance and reported manufacturing performancestronger organizational ambidexterity association in relatively dynamic environments, compared to that in steady and very dynamic environments. where association was weaker. However, the study used operational parameters of quality, speed, and cost in performance measurement. Mwazumbo (2016)"Organizational resources. dynamic capabilities, environmental dynamism, and performance of large manufacturing companies in Kenya" research reported environmental dynamism does significantly influence organizational resources-dynamic capabilities relationship. However, the study used organizational resources as independent variable and not ambidexterity as used in the current study. In aggregate, these studies suggest an external environment contingency impact on the ambidexterity effect on firm performance. Further, these suggests environmental dvnamism moderating effect on performance. The research assesses current how environmental dynamism moderates the ambidexterity effectiveness.

Dynamic Capabilities Theory

Dynamic Capabilities Theory (DCT) was proposed by Teece, Pisano, and Shuen (1997) and extends Resource-Based View and focuses on capabilities deployed by firms for competitive advantages by enhancing the firm's sensing effectiveness and external environment dynamics adaptation seizing capability. Dynamic capabilities theory places emphasis on competitive survival in reaction to business environmental dynamism through dynamic

capabilities deployment (Eisenhardt & Martin, 2000). Dynamic capabilities entail an organization's integration, building internal and external competencies, reconfiguration capabilities and include business practices, molded by organization's asset base support, and growth cycle (Helfat & Peteraf, 2003). They are typically the managerial activities of sensing, seizing and reconfiguring, that can make a capability dynamic (Teece, 2007).

Sensing entails the environmental scanning capability of an organization (Teece, 2007) from which opportunities are recognized, and competitive threats identified (Helfat & Peteraf, 2015). Seizing on the other hand refers to formulation and execution of appropriate organizational strategies for the exploitation of opportunities and eluding any threats, in line with its strengths and weaknesses (Teece, 2007). Strategic renewal will require organizational design reconfiguration (Teece, 2007).

Organization's capacity to concurrently undertake exploration and exploitation activities is organizational ambidexterity (O'Reilly & Tushman, 2008). Exploration relates to activities such as novelty, search, discover and change; which is similar to sensing, which is characterized increased research activities. Exploitation in the contrary entails organizational processes, including production through-put enhancement, implementation and monitoring; similar to seizing. Organizational ambidexterity is linked to better performance, therefore, makes the concept part of the dynamic capabilities.

Scholars have questioned what constitutes dynamic capabilities and their source(s) (Easterby-Smith, Lyles & Peteraf, 2009). Lacking also is clarity on industry-specific dynamic capability building processes (Gregory & Pemberton, 2011). Further, a

consensus is lacking among researchers on its conceptualizations, measurements, and interpretation (Peteraf, Di Stefano, & Verona, 2013). Varied perspectives have consequently been advanced and there exists no universal definition (Zollo & Winter, 2002). This, therefore, calls for further theoretical work to show how firms get to improve (Teece, et al., 1997). This will be clarified through the organizational ambidexterity- performance influence.

Contingency Theory

Contingency theory is an outgrowth of systems design; the so-called universal approach. Based on the open systems view, Donaldson (2001) the proposer of the theory stresses a no "one-fits-all" approach in strategizing. Instead, the optimal strategy is dependent upon the internal and external situation, with emphasis on striking an optimal balance in adapting to external environment changes and satisfying the needs in its internal processes, through alignments and optimal fits. The theory thus concept supports the of external environment (Lawrence & Lorsch, 1967), and its pertinent characteristics, including environmental dynamism (Dess & Beard, 1984).

The theory demonstrates the need to align organizational internal elements (such as strategy) different organizational circumstances (Venkatraman & Prescott, 1990). Organizational-environmental alignment determines performance (Prajogo, 2016). Contingency theory argues that outcomes are subject to certain variables. It is therefore relevant as the research aimed to determine environmental dynamism effect on the organizational ambidexterity influence on organizational performance.

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Despite its demonstrated usefulness in research, there are theoretical and empirical challenges to it. The contingency theory has been criticized as being too mechanical in the study of the organizational design (Galunic & Eisenhardt, 1994). Its practical application is doubtful as critics have questioned the organizations contingencies fit rationale (Donaldson, 2001). Also, the consensus is lacking in contingency - fit conceptualization, with some scholars adopting configuration logic (Hill & Birkinshaw, 2008), while others adopt a Cartesian approach (Meyer, Allen & Smith, 1993). These will be clarified proposed environmental through the dynamism moderating effect on organizational ambidexterity organizational performance relationship.

Conceptual Framework

The relationship between the three variables under study is shown in Figure 2.1 (conceptual model) below. The variables organizational ambidexterity, are environmental dynamism, and performance manufacturing of large firms. Organizational ambidexterity and performance are the independent and dependent variables, respectively. Environmental dynamism is conceptualized to moderate because the organization operates within an open environmental system.

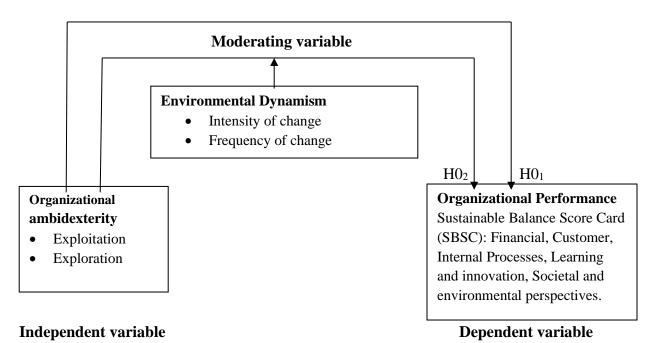


FIGURE 2.1: CONCEPTUAL MODEL

Source: Researcher (2019)

Operationalization of the Study Variables

study's independent variable, The organizational ambidexterity was measured exploration and exploitation using variables. A combined perspective was applied, in which the two activities are considered orthogonal, but complementary, based on which ambidexterity was studied as the summed-up outcome (Blindenbach-Driessen & Ende, 2014). The measure predicts ambidexterity reliably the synergistic effect and was adapted from Hill and Birkinshaw (2014) in whose similar operational approach it was used.

Environmental dynamism which is the moderating variable was operationalized and measured in terms of the perceived intensity and frequency of change; as evidenced by changes such as, product demand/profitability, and technology (Miller, 1987; Zhou & Wu, 2010). The dependent variable organizational performance, which was measured by adopting measures of performance from sustainable balanced scorecard(SBSC) by Hubbard (2009) that considers indicators of performance; financial, internal processes, customer satisfaction, learning, and innovation, societal and environmental perspectives, using Likertscale instrument adopted with modifications from Hubbard (2009).

Research Hypothesis

The following is the hypothesis (stated in null):

H0₂: Environmental dynamism has no significant moderating effect on the influence of organizational ambidexterity on the performance of manufacturing firms in Kenya.

Study model

The hypothesis testing was guided by the following model:

Moderating effect of environmental dynamism on the influence of organizational ambidexterity on organizational performance using Stepwise regression analysis (3-Step):

Based on Organizational performance as a composite of the SBSC perspectives:

Equations:

$$\begin{split} OP &= \beta 0_1 + \, \beta 1 OA + \, \epsilon M_0 \,(1) \\ OP &= \beta 0_2 + \, \beta_1 OA + \, \beta_2 X ED + \epsilon M_1 \,(2) \\ OP &= \beta 0_3 + \beta_1 OA + \beta_2 ED + \, \beta_3 \, \left(OA^*ED \right) + \\ \epsilon M_2 \,(3) \end{split}$$

Where:

OP = Aggregate mean score (composite) of Organizational Performance perspectives

 $\beta 0_1...$ $\beta 0_3$; $\beta_1...$ β_3 are regression coefficients

OA = Aggregate mean of the combined individual Organizational Ambidexterity indicators

ED =Aggregate mean of the combined individual Environmental Dynamism indicators

OA*ED = Interaction term

 $\varepsilon M_0 \dots \varepsilon M_2 = \varepsilon_{rror} term.$

Research Methodology

The person conducting the research in the study was independent of the research objects, hence the study's adoption of the deductive approach. Moreover, the researcher concentrated on facts. The study also had predefined hypotheses and it was for theory testing. The study was therefore grounded on the positivist philosophy. The spot-on information obtained informed the

research problem conclusions, thus the cross-sectional survey suitability. This design helps in the outcomes generalization to a bigger population of organizations rather than the few that participated in the study.

The study was a census, with the population all the 107 Kenyan manufacturing firms (LMFs). KAM (2018) classifies manufacturing companies with 50 and above employees and annual sales turnover of Kshs 1Billion and above as large. The study collected primary and secondary data. Questionnaires were adapted from strategic management studies. These were modified to align with the current study objectives. The questionnaire was delivered to the respondents, that is either Managing Directors/Chief Executive Officers (MDs/CEOs) or General Managers (GMs) or Heads of department (HODs) of Finance, Sales and Marketing, Human Resources production. and The administration questionnaire was by dropping and picking or sending by e-mail in cases where firms' e-mail addresses had been provided in the Kenya Association of Manufacturers (KAM) directory or in accordance with the preference of the respondents.

Validity tests were done to confirm that the questionnaire measured what it purported to measure and thus the accuracy of the inferences, while reliability tests ensured the consistency of the results yield from the instrument's repeated trials and the measurement (Cooper & Schindler, 2014). The study used the Likert-type scale where the participants were required to respond by choosing one option from statements usually given in five degrees of agreement or disagreement.

Data Analysis and Results

Response Rate

The study used a cross-sectional design, with population including all the 107 LMFs in Kenya (KAM, 2018). Out of the 107 firms, five (5) firms were used for the pilot study. The five (5) pilot study firms were excluded in the final questionnaire participation, therefore 102 questionnaires were sent out for the final study. Out of the 102 questionnaires completed and returned, four (4) questionnaires were incomplete and therefore rejected for analysis, leaving 98 questionnaires used for analysis. This is a 96 percent response from the target population of 102 LMFs. Awino and Gituro (2011) recommended that in similar studies, a questionnaire feedback rate of above 65 percent is satisfactory. This study therefore considers the 96% response rate adequate. A high response rate is satisfactory as these vield results can be better inferred to a population.

Test of Hypothesis

The general objective of this research was to establish the role of environmental dynamism in the organizational ambidexterity - performance relationship of LMFs in Kenya. This was actualized by testing the hypothesis (stated in null form) that: Environmental dynamism has no significant moderating effect on the influence of organizational ambidexterity on performance of large manufacturing firms in Kenya.

Step - wise (3-step) regression analysis (Baron & Kenny, 1986) was applied in the hypothesis testing. The first step entailed testing the influence of organizational ambidexterity on organizational performance. Step two involved testing the effect of both organizational ambidexterity (predictor variable) and moderating

variable (environmental dynamism) on the criterion variable (organizational performance). An interaction variable was introduced and tested for its significance on criterion variable (organizational performance, in step three. The interaction term is computed as the product of

standardized values of the independent variable (organizational ambidexterity) and moderator variable (environmental dynamism). The test was done on performance measured as a composite of the SBSC perspectives. The findings are presented in Table 4.1.

TABLE 4.1: REGRESSION RESULTS FOR THE MODERATING EFFECT OF ORGANIZATIONAL AMBIDEXTERITY IN THE RELATIONSHIP BETWEEN ORGANIZATIONAL AMBIDEXTERITY AND PERFORMANCE OF LARGE MANUFACTURING FIRMS IN KENYA

		Mode	el Summary	I		
Model	R	R Square	Adjusted R Square			Std. Error of the Estimate
1	.589ª	.347	.341			.16877
2	.589ª	.347	.334			.16965
3	.592ª	.351	.330			.17014
		A	NOVA ^a		<u> </u>	<u> </u>
Model		Sum of Squares	Df	Mean Square	F	Sig.
1	Regression	1.455	1	1.455	51.100	.000 ^b
	Residual	2.734	96	.028		
	Total	4.190	97			
2	Regression	1.455	2	.728	25.284	.000 ^b
	Residual	2.734	95	.029		
	Total	4.190	97			
3	Regression	1.469	3	.490	16.910	.000 ^b
	Residual	2.721	94	.029		
	Total	4.190	97			
		Coe	efficients ^a	l	ı	
Model			Unstandardized Coefficients		Т	Sig.
		В	Std. Error	Beta		

1	(Constant)	1.994	.265		7.537	.000
	Organizational Ambidexterity	.494	.069	.589	7.148	.000
2	(Constant)	1.993	.396		5.038	.000
	Organizational Ambidexterity	.494	.070	.589	7.071	.000
	Environmental Dynamism	.000	.070	.000	.002	.999
3	(Constant)	4.817	4.213		1.143	.256
	Organizational Ambidexterity	231	1.079	276	214	.831
	Environmental Dynamism	753	1.121	897	672	.503
	Organizational Ambidexterity, Environmental Dynamism Interaction	.193	.287	1.180	.673	.503

Model 1: Predictors (Constant), Organizational Ambidexterity.

Model 2: Predictors (Constant), Organizational Ambidexterity, Environmental Dynamism.

Model 3: Predictors (Constant), Organizational Ambidexterity, Environmental Dynamism and Interaction term.

Criterion Variable: Organizational Performance.

Source: Research Data (2019)

In step one organizational ambidexterity regressed organizational was on performance. The results in Table 4.1 indicate R² of 0.347, meaning that 34.70 per cent of organizational performance is explained by organizational ambidexterity, the rest (65.30 percentage) is accounted for variables not in the current study's scope. The F-value (F= 51.100) significance (p<0.05) indicates the model attainment of the desired robustness and fit, therefore suitability for use in the data analysis for this study. Further, the beta coefficient was

statistically significant (β =0.589, t=7.148, p<0.05) and therefore the significance of the model predictive power. The results of step one are significant

The step two in evaluating the moderating effect involves entry of the moderating variable in the regression. The results of entering environmental dynamism in the regression model are shown in Table 4.1. When the moderator variable was introduced in step two, there was no significant improvement in the organizational ambidexterity influence on organizational performance which

remained the same R²=0.347 meaning that 34.70 cent of organizational per performance is explained by organizational ambidexterity and environmental dynamism together, the rest (65.30 per cent) is accounted for by variables outside the current study's scope. Also the overall model was statistically significant (F=25.284, p<0.05). The change in F-value from 51.100 to 25.284 with the introduction of environmental dynamism (moderator variable) was significant. Similarly, the beta coefficients were statistically significant t=7.071, p < 0.05) $(\beta=0.589,$ organizational ambidexterity effect with the introduction of environmental dynamism whose effect was insignificant (β =0.000, t=0.002, p>0.05).

The third and final step of the moderation effect testing entails the interaction term entry in the regression model. The product organizational ambidexterity environmental dynamism (organizational ambidexterity * environmental dynamism) is the interaction term. All the variables (independent variable, moderating and the interaction term) are entered into the regression model, one after the other. Multiple regression analysis was used in the interaction outcome evaluation. Table 4.1 presents the output of entering interaction term in the regression model. The step three overall model outcome indicates that the interaction statistically significant (F=16.910, p<0.05), an indication of the models robustness and fit, therefore usefulness in the analysis of data for this study. The results revealed a minimal R² improvement of 0.004(that is from $R^2=0.347$ in step two to $R^2=0.351$ in step three). The minimal R² change of 0.40 per cent implies that there was no significant influence on organizational performance (dependent variable) from the organizational ambidexterity (independent

variable) interaction with environmental dynamism (moderating variable). The beta coefficients revealed no improvement. The results indicate (β =0.589, t=7.071, p>0.05) before introduction of the interaction term to (β =-0.276, t=-0.214, p>0.05) with the interaction term inclusion in the regression model. The results therefore did not provide evidence to justify the null hypothesis rejection. Therefore, the study concludes that environmental dynamism has no significant moderating effect on the organizational ambidexterity influence on the performance of Kenyan LMFs.

Discussion of Findings and Conclusion

The study aimed to evaluate the environmental dynamism influence in the organizational ambidexterity - performance relationship of LMFs in Kenya. The results indicate that environmental dynamism has no significant moderating effect on the influence of large manufacturing firms in Kenya.

The study findings affirm earlier studies that reported no significant moderating of environmental effect dvnamism. Tamayo-Torres et al. (2017) studied environmental dvnamism and organizational ambidexterity effect on manufacturing performance and reported stronger manufacturing performance organizational ambidexterity association in relatively dynamic environments, compared to that in steady and very dynamic environments, where the association was weaker. Girod and Whittington (2017) study of restructuring, dynamic capabilities and environmental dynamism roles on firm performance reported negative environmental dynamism moderating effect on restructuring - firm performance relationships. In the study on organizational resources, dynamic capabilities, environmental dynamism and

performance of Kenyan large manufacturing companies, Mwazumbo (2016) reported environmental dynamism does not significantly influence organizational resources-dynamic capabilities relationship.

The findings of this study contrast previous empirical findings by similar studies, which reported significant environmental dynamism moderating effect organizational ambidexterity - performance association. In their study, Halevi et al. (2015), found significant environmental dynamism moderating effect on Top Management Team (TMT) behavioural integration on ambidexterity. Also, positive environmental dynamism moderating effect on reconfiguration – firm performance was established in the study of reconfiguration, dynamic capabilities and environmental dynamism roles on firm performance by Girod and Whittington (2017). The current study reported that environmental dynamism has no significant moderating effect on the influence of organizational ambidexterity on performance of LMFs in Kenya. This suggests that consensus is still lacking among researchers environmental dynamism effect on various firm-level factors.

Conclusion and Recommendations

The study concludes that organizational ambidexterity influence on organizational performance is not significantly affected by environmental dynamism. The study also concludes that organizational ambidexterity positive impact organizational on performance affected is not by environmental dynamism. Further, this leads another conclusion that organizational ambidexterity is desirable if an organization is to attain enhanced performance, even in dynamic environments.

The study enhances the literature on the association between environmental dynamism and other factors on the performance of organizations, by exploring the moderating impact on the Kenyan LMFs' organizational ambidexterity performance relationship. This is a contribution in addressing the assertion that researchers have not adequately affirmed the nature of environmental dynamism effect on the organizational ambidexterity environmental alignment (Tamayo -Torres et al., 2017). The results indicate no significant moderating effect of environmental dynamism on the influence organizational ambidexterity performance of LMFs in Kenya.

Suggested Areas for Further Study

The data in this research was collected from a single source. One senior manager (General Manager or Head of department) provided the data by responding to the questionnaire which covered the various variables of the research. Relying on a response from one person in a big organization may have some limitations; such as single source and social desirability bias. Future researchers should involve more people across the management hierarchy and in different settings such as focus groups.

The variables in the research may be operationalized and measured differently diverse researchers given bv significance of the condition at hand. Environmental dynamism may be tested as mediating variable having been found to have no significant moderating effect in the organizational association between ambidexterity and firm performance. Also, there is need to test empirically what would be the combined effect if environmental dynamism is an independent variable rather than moderating variable. Studies can also

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be done but considering other contingent environmental factors beyond the dynamism. Future research should consider research specific components organizational ambidexterity, environmental dynamism organizational performance, as this may provide more distinct results in terms of specific variables that should be given more

This study was based on Kenyan LMFs. Future researchers should consider replication in other African countries to determine the similarities or differences. Also, research should be conducted in Kenyan small and medium manufacturing enterprises. Further, a comparative study, replicating this study in a big population covering many industries should be considered. Such large population would be a useful extension of this study and would further enrich the current findings.

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