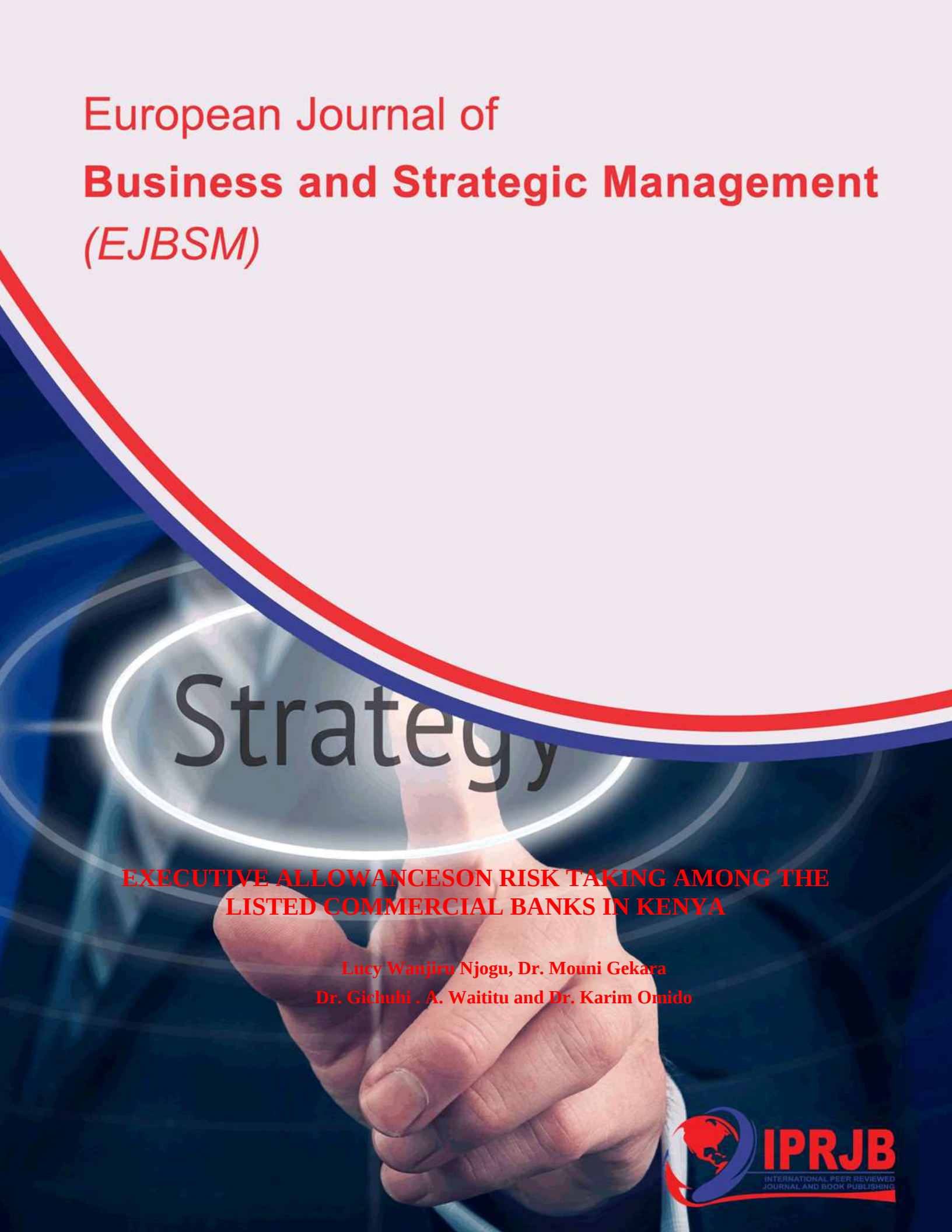


European Journal of Business and Strategic Management (EJBSM)



Strategy

**EXECUTIVE ALLOWANCES ON RISK TAKING AMONG THE
LISTED COMMERCIAL BANKS IN KENYA**

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Abstract

Purpose: The purpose of this study was to determine the effect of executive allowances on risk taking among the listed commercial banks in Kenya.

Methodology: The study used an Epistemology research philosophy, causal research design was adopted whereby panel data approach was used. The target population for this study were the 11 listed banks on the NSE. Secondary Data for the year 2010 to 2015 was collected from the NSE handbook. Data collected was analyzed using descriptive statistics which included means and standard deviations. Inferential statistics such as Pearson correlation and panel regression was also used. The results were presented in form of tables, figures, charts, graphs and trend lines.

Results: The study findings revealed that Executive Allowances and risk taking were negatively and significantly related.

Policy recommendation: The study recommended that banks should entice their staff with huge allowances as this will decrease risk.

Keywords: *executive allowances, risk taking*

1.1 INTRODUCTION

Executive compensation is presently one of the most interesting and innovative fields of research in the finance area. It was only in the 1990s, with the growth of the world economy, that shareholders felt the need to contract executives and give them incentives to make firms' stock market growth increasingly faster each year. Academics and researchers started searching for the best form of compensation to motivate these executives. It was not only the values that mattered, but also the way in which executives were paid: with more short term compensation (salary or bonus) or more long term compensation (stock options, restricted stocks, long-term incentives plans) or even with other forms of compensation like perks, and the impact of these compensation policies on all the fields of finance (Paolo, 2008).

Risk is a natural element of business and community life. It is a condition that raises the chance of losses/gains and the uncertain potential events which could manipulate the success of financial institutions (Crowe *et al*, 2009). Excessive risk-taking is viewed as a contributing factor to the market turmoil that erupted in the United States around mid-2007. Among the most frequently debated channels that have propagated the accumulation of risky exposures are ill-designed compensation policies, capital regulation, originate-to-distribute business model, low short-term interest rates, and others.

1.2 Statement of the Problem

A major criticism of executive pay packages has been that they incentivize excessive risk-taking which contribute to the financial turmoil. To respond to these concerns, governments and regulators have taken steps to restrict executive pay arrangements in regulated industries. However, there is still ongoing debate in the financial literature and among policymakers regarding how has executive pay contributed to bringing about the 2008 financial crisis, how to fix compensation structure and if pay structures should be reformed, what role if any should the government play in bringing about such reforms (Alon&Yoram,(2010).

Many studies when attempting to find causal relationships between CEO pay and risk taking find mixed evidence (Spitz-Oener, 2006). Mueller and Spitz-Oener (2006) examine 356 German financial service firms and find a link between pay and company risks in that a higher percentage of managerial ownership shares correlate positively with increases in firm risks. Lam and Chng (2006) find that managerial stock options correlate positively with firm risks. There are other studies (Sloan, 1993; Carpenter & Sanders, 2002; and Kerr & Bettis, 1987) that find a strong relationship between risk measures and executive compensation. Chesney *et al* (2012) find a strong negative relationship between the abnormal CEO compensation and excessive risk taking for the group of banks that do not report their Tier 1 ratio (predominantly, investment banks) Palia and Porter (2004) examine data for U.S. holding companies and find that the increases in salary and bonus components of managerial compensation were associated with lower risk. Duru (2005) demonstrate that the earning-based cash bonuses help to reduce risk-taking incentives of managers, whereas Hagendorff, *et al* (2015) find an empirical support to this idea, showing that higher bonuses entail a lower default risk.

Most studies in Kenya have concentrated on Executive Compensation and Ownership structure and Bank performance and not on the risk taking component. Such studies include Aduda (2011)

who did a study on the relationship between executive compensation and firm performance in the Kenyan banking sector. Asala (2012) did a study on the determinants of executive compensation in Kenya for firms listed on the Nairobi Securities Exchange. Mululu (2005) did a study on the relationship between board activity and firm performance of firms quoted on the Nairobi Stock Exchange.

This study intends to delve into how executive compensation influences the systematic risk among listed commercial banks in Kenya by evaluating how various compensation types; such as share ownership, fixed salary, allowances and annual bonuses affects the riskiness in the banks stocks.

1.3 Objectives of the study

In addressing the general objective, this study pursued the following specific objectives;

- i. To determine the effect of other executive allowances on risk taking among the listed commercial banks in Kenya

2.0 LITERATURE REVIEW

2.1 Theoretical review

2.2.1 Principal Agent Theory

The principal-agent problem was first written about in the 1970s by theorists from the fields of economics and institutional theory. Michael Jensen of Harvard's Business School and William Meckling of the University of Rochester published a paper in 1976 outlining a theory of ownership structure that would be designed in such a way as to avoid what they defined as agency cost and its relationship to the issue of separation and control. These issues are central to the principal-agent problem. The separation of control occurs when a principal hires an agent, and the costs that the principal incurs while dealing with an agent can be defines as agency costs. These agency costs can come from setting up monetary or moral incentives set up to encourage the agent to act in a particular way.

A more widespread acceptance of the concept of agency costs and principal agent theory, formalized by Jensen and Meckling (1976) can be seen as the starting point for the modern executive compensation research. In short the agency theory identifies the separation between ownership (shareholders) and control (management) as the main reason to why executive compensation systems need to be designed such that they achieve an alignment of interests between the owners and the management of the firm. Related to this the following is argued; "The principal can limit divergences from his interest by establishing appropriate incentives for the agent" (Jensen and Meckling, 1976. p. 308). The principal agent theory has a strong focus on so-called agency costs, which can be seen as the driving factor for how the executive compensation system should be structured from a theoretical point of view. According to this theory the executive compensation system should be structured such that the agency costs that the shareholders have to bear, originating from differences in interests between the agents, are minimized.

2.2 Conceptual framework

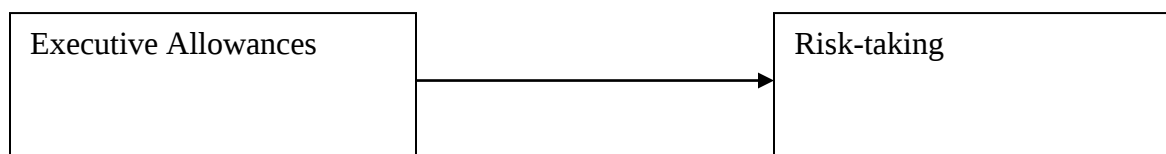


Figure One: Conceptual framework

3.0 METHODOLOGY

The study used an Epistemology research philosophy, causal research design was adopted whereby panel data approach was used. The target population for this study were the 11 listed banks on the NSE. Secondary Data for the year 2010 to 2015 was collected from the NSE handbook. Data collected was analyzed using descriptive statistics which included means and standard deviations. Inferential statistics such as Pearson correlation and panel regression was also used. The results were presented in form of tables, figures, charts, graphs and trend lines.

4.0 RESULTS FINDINGS

4.1 Diagnostic tests

4.1.1 Multicollinearity Test

According to Field (2009) VIF values in excess of 10 is an indication of the presence of Multicollinearity. The results in Table 4.2 present variance inflation factors results and were established to be 1.26 which is less than 10 and thus according to Field (2009) indicates that there is no Multicollinearity.

Table 1: Multicollinearity Test

Variable	VIF	1/VIF
Executive Allowances	1.42	0.702867
Mean VIF		1.26

4.1.2 Panel Unit Root Tests

Most economic variables are usually non-stationary in nature and prior to running a regression analysis. Unit root tests were thus conducted using the LLC test to establish whether the variables were stationary or non-stationary. The purpose of this is to avoid spurious regression results being obtained by using non-stationary series. Results in Table 4.3 indicated that all variables are stationary (i.e.absence of unit roots) at 5% level of significance.

Table 2: Unit Root

Variable Name	Statistic(Adjusted)	P-Value	Comment
Risk Taking	-6.51485	0.000	Stationary
Executive Allowances	-1.66840	0.0476	Stationary

4.3.3 Heteroskedasticity Test

Modified wald test was used to test for heteroskedasticity. The null hypothesis in the test is that error terms have a constant variance (i.e. should be Homoskedastic). The results in the Table 4.4 below indicate that the error terms are homoscedastic, given that the p-value is more than the 5% (0.07).

Table 3: Heteroskedastic Test

Modified Wald test for group wise heteroskedasticity in fixed effect regression model	
H0: $\sigma(i)^2 = \sigma^2$ for all i	
chi2 (11) =	323.76
Prob>chi2 =	0.07

4.3.4 Normality Tests

The test for normality was first investigated using the graphical method as indicated in figure 2. The results in the figure indicate that the residuals are normally distributed.

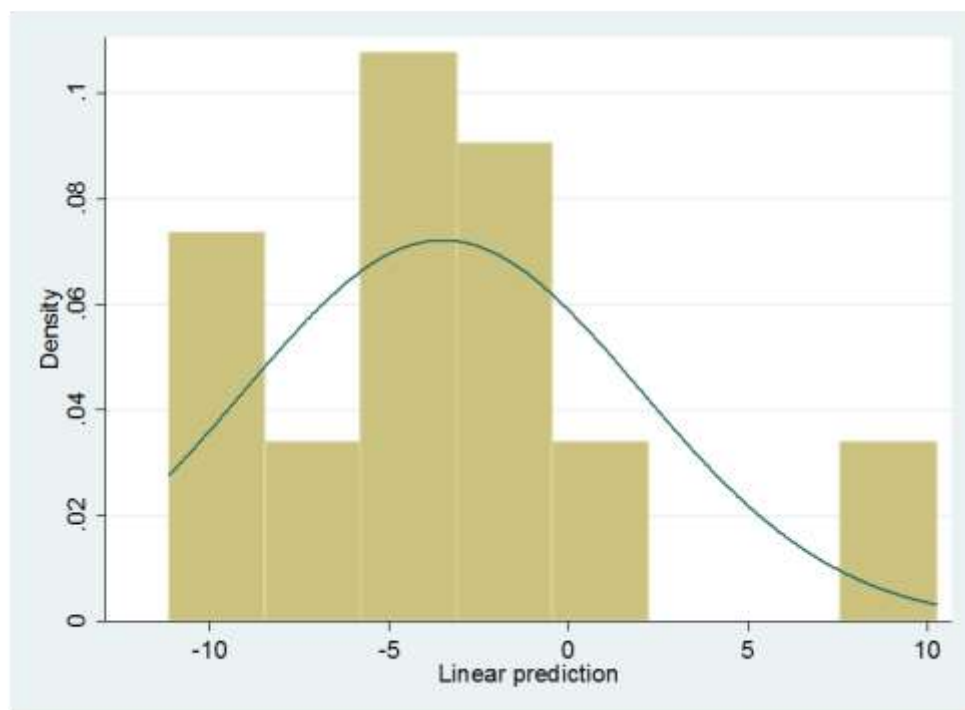


Figure 2: Normality Distribution

To further verify the above results, Jarque-Bera test which is a more conclusive test than the graphical method was conducted. The results are as presented in table 4. The null hypothesis under this test is that the disturbances are not normally distributed. If the p-value is less than 0.05, the null of normality at the 5% level will be rejected. Given that the p-value is less than 5% for the residual, the null hypothesis is rejected and thus the conclusion that the residuals are normally distributed.

Table 4: Jarque-Bera test

	Risk taking	Exe.Share ownership	Exe Fixed salary	Executive allowances	Exe Annual bonuses
Jarque-Bera	7.870817	6.853443	5.349707	0.555680	3.180141
Probability	0.019538	0.032493	0.068917	0.757418	0.203911
Observations	61	61	61	61	61

4.3.5 Autocorrelation

To establish whether or not the residual is serially correlated over time, Wooldridge test for autocorrelation was conducted. The null hypothesis is that no first order serial /auto correlation exists. The results are as indicated in Table 4.6 below and therefore the null hypothesis of no autocorrelation is accepted and therefore residuals are not auto correlated (p-value=0.1010).

Table 5: Autocorrelation Tests

Wooldridge test for autocorrelation in panel data

H0: no first-order autocorrelation

$$F(1, 30) = 2.864$$

Prob> F = 0.1010

4.2 Exploratory Data analysis

Data analysis began with the exploration of the study data. Exploration study analysis examined heterogeneity across the firms and over time. Exploratory data analysis was done using graphs to examine the trend of risk taking within and across the firms. Figure 2 shows the empirical growth of risk taking over the 5 years. The empirical growth plot reveal that for most firm's risk taking trend has been on the fluctuating over time this could be attributed to environmental factors and the changing regulatory environment over this period.

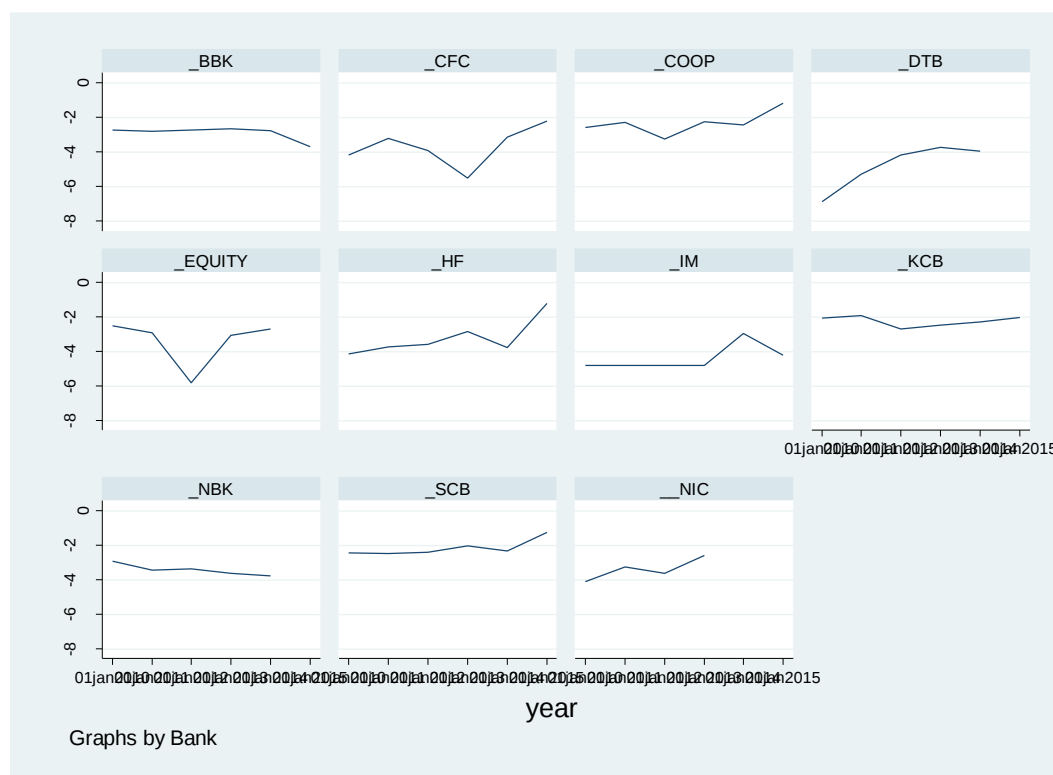


Figure 2 Exploratory Data Analysis

4.3 Correlation Analysis

Correlation coefficient values ranging between -1 and 1 measures the degree to which two variables are linearly related with the higher magnitude indicating higher degree of association between two variables. Adejimi, Oyediran and Ogunsanmi (2011) observed that that a

correlation coefficient of magnitude 0.3–0.5 shows a medium linear dependence between two variables while 0.5 to 1.0 shows a strong linear dependence.

The correlation results in Table 6 above indicate that Executive allowances were negatively associated to risk taking ($r = -0.238$, $p = 0.063$).

Table 6 : Correlation

Correlation					
Probability	Risk Taking	Share Ownership	Fixed Salary	Allowances	Annual Bonuses
Risk Taking	1.000000				

	0.4569	0.0109	-----		
Exe.Allowances	-0.238903	-0.270677	-0.495063	1.000000	
	0.0637	0.0349	0.0000	-----	

4.4 Test for Fixed and Random Effects

When performing panel data analysis, one has to determine whether to run a fixed effects model or a random effects model. Whereas the fixed effect model assumes firm specific intercepts and captures effects of those variables which are specific to each firm and constant over time, the random effect model assumes that there is a single common intercept and it varies from firm to firm in a random manner (Baltagi, 2005). To determine which of these two models is appropriate, coefficients were estimated by both fixed and random effects. Hausmann's specification test (1978) was used to determine whether fixed or random effect should be used. Depending on the nature of α_i , two models can be distinguished, first is the Random Effect Model which assumes that α_i are random variables uncorrelated with v_{it} . The second model is the Fixed Effects Model which assumes that the α_i are individual fixed parameters. The results of both the random and fixed effects model are presented in the table 7 and table 8 respectively.

Table 7: Random Effects Model

Variable	Coefficient	Std. Error	t-Statistic	Prob.
Exe.Fixed Allowances	-0.340626	0.163437	-2.084148	0.0434
LN_X3(-1)	-0.208777	0.204147	-1.022680	0.3125
C	-10.79776	1.831242	-5.896413	0.0000
Effects Specification				
			S.D.	Rho

Cross-section random	0.262373	0.1012
Idiosyncratic random	0.781886	0.8988

Weighted Statistics

R-squared	0.400993	Mean dependent var	-2.572490
Adjusted R-squared	0.284114	S.D. dependent var	0.969457
S.E. of regression	0.807351	Sum squared resid	26.72446
F-statistic	3.430833	Durbin-Watson stat	1.885004
Prob(F-statistic)	0.004140		

Unweighted Statistics

R-squared	0.472655	Mean dependent var	-3.165766
Sum squared resid	28.70348	Durbin-Watson stat	1.755039

Table 8: Fixed Effects Model

Variable	Coefficient	Std. Error	t-Statistic	Prob.
Exe.Fixed Allowances	-0.298443	0.198314	-1.504902	0.1425
Ln_X3(-1)	0.055183	0.282628	0.195248	0.8465
C	-5.878363	14.22044	-0.413374	0.6822

Effects Specification

Cross-section fixed (dummy variables)

R-squared	0.651816	Mean dependent var	-3.165766
Adjusted R-squared	0.449645	S.D. dependent var	1.053954
S.E. of regression	0.781886	Akaike info criterion	2.627748
Sum squared resid	18.95171	Schwarz criterion	3.354317
Log likelihood	-46.69370	Hannan-Quinn criter.	2.904430
F-statistic	3.224078	Durbin-Watson stat	2.226267
Prob(F-statistic)	0.002056		

4.4.1 The Hausmann Test for Model Effect Estimation

The Hausman test was employed to determine the most suitable model for this study. The null hypothesis is that the fixed effect model is appropriate and the alternative hypothesis is that Random effect estimation models is suitable tested at 5% significance level. The Chi-square test statistic is 10.703576 with an insignificant probability of 0.2191 which means that the null hypothesis is rejected in favor of the Random effects model. Therefore, we accept the random effects model as suitable for this study. The Hausmann test results were presented in table 9

Table 9: Hausmann test

Correlated Random Effects - Hausman Test

Test cross-section random effects			
Test Summary	Chi-Sq. Statistic	Chi-Sq. d.f.	Prob.
Cross-section random	10.703576	8	0.2191

4.5 Panel Regression Analysis

The regression model helps to explain the magnitude and direction of relationship between the variables of the study through the use of coefficients like the beta coefficient and the level of significance.

The results presented in table 9 presented the fitness of model used of the regression model in explaining the study phenomena. Share ownership, executive fixed salary, executive allowance and executive annual bonuses were found to be satisfactory variables in explaining risk taking. This is supported by coefficient of determination also known as the R square of 40 %. This means that Share ownership, executive fixed salary, executive allowance and executive annual bonuses explain 40 % of the variations in the dependent variable which is risk taking. This results further means that the model applied to link the relationship of the variables was satisfactory.

In statistics significance testing the p-value indicates the level of relation of the independent variable to the dependent variable. If the significance number found is less than the critical value also known as the probability value (p) which is statistically set at 0.05, then the conclusion would be that the model is significant in explaining the relationship; else the model would be regarded as non-significant.

Table 9 provides the results on the analysis of the variance (ANOVA). The results indicate that the overall model was statistically significant. Further, the results imply that the independent variables are good predictors of performance. This was supported by a F-statistic Of 3.430 and a p value (0.004) which was less than the conventional probability of 0.05 significance level.

The constant C had a coefficient of -10.8 with a significant probability value of 0.0000 which is significant at 1 percent level of significance. This therefore means that the independent variables jointly have a negative slope with beta.

4.5.1 Executive Allowances and risk taking

Table 10 provides Regression of coefficients results .Executive Allowances and risk taking were negatively and significantly related ($r = -0.340626$, $p = 0.0434$), thus an increase in one unit of executive allowances led to a decrease of risk taking by 0.340626 units.

This mirrors Massa and Patgiri, (2009) whose Empirical evidence on fund performance suggests that higher incentives correlate with riskier investment strategies as well as with superior performance (Agarwalet al., 2009; Massa and Patgiri, 2009).

Garen (1994) disagrees with our results in that firms with higher levels of risk (as measured by betas from a regression of firms' return on the market return) paid their executives more in salary and less in incentive payments.

Table 4.11: Random Effects Model

Variable	Coefficient	Std. Error	t-Statistic	Prob.
Exe.Fixed Allowances	-0.340626	0.163437	-2.084148	0.0434
C	-10.79776	1.831242	-5.896413	0.0000
Effects Specification				
			S.D.	Rho
Cross-section random			0.262373	0.1012
Idiosyncratic random			0.781886	0.8988
Weighted Statistics				
R-squared	0.400993	Mean dependent var		-2.572490
Adjusted R-squared	0.284114	S.D. dependent var		0.969457
S.E. of regression	0.807351	Sum squared resid		26.72446
F-statistic	3.430833	Durbin-Watson stat		1.885004
Prob(F-statistic)	0.004140			
Unweighted Statistics				
R-squared	0.472655	Mean dependent var		-3.165766
Sum squared resid	28.70348	Durbin-Watson stat		1.755039

$$Y = \alpha + \beta_1 X_1 - \beta_2 X_2 - \beta_3 X_3 - \beta_4 X_4 + \varepsilon$$

Where: Y = risk taking

α = the Y intercept;

X_1 = executive allowances

ε = error term which is assumed to be normal in distribution with mean zero and variance (6)

Overall model will be

$Y = -10.79776 - 0.340626 \text{ executive allowance}$

5.0 SUMMARY OF FINDINGS, CONCLUSIONS AND RECOMMENDATIONS

5.1 Summary of Findings

5.1.1 Executive Allowances

The third objective of the study was to determine the effect of other executive allowances on risk taking among the listed commercial banks in Kenya.

Regression analysis indicated that Executive Allowances and risk taking were negatively and significantly related. The hypothesis results indicated that there is a significant relationship between other executive allowances on risk taking among the listed commercial banks in Kenya.

5.2 Conclusion of the Summary

Banks might also be advised to increase the executive allowances of their executive staff as results show that executive allowances have a negative but significant effect on risk taking. Banks thus should entice their staff with huge allowances expecting a decrease in risk.

5.4 Recommendations of the Study

The study recommendations are in line with the objectives, findings and conclusions of the study.

5.4.3 Executive Allowances

The study recommended that banks should entice their staff with huge allowances as this will decrease risk.

5.5 Suggested Areas for Further Study

The study sought to assess the effect of executive allowances on risk taking among listed commercial banks in Kenya therefore, another area for further studies could consider the effect of executive compensation on risk taking among other sectors.

REFERENCE

Adams, J. S. (1963) toward an understanding of inequity. *Journal of Abnormal and Social Psychology*, 67, 422-436.

- Adams, R. (2009), 'Governance and the financial crisis', in Thomsen, S., Rose, C. and Risager, O. (Eds.), *Understanding the Financial Crisis: Investment, Risk and Governance* (pp. 156-175) Copenhagen, Denmark: SimCorp Strategy Lab.
- Aduda, J. (2011). The relationship between executive compensation and firm performance in the Kenyan banking sector. *Journal of Accounting and Taxation* Vol. 3(6), pp. 130-139.
- Agarwal, V., Daniel, N. D., and Naik, N. Y. (2009). Role of Managerial Incentives and Discretion in Hedge Fund Performance. *Journal of Finance*, 64(5), 2221-2256
- Aggarwal, R and Samwick, A. (1999), 'The Other Side if the Trade-off: The Impact of Risk on Executive Compensation', *Journal of Political Economy*, 107, 65-104.
- Aktar, S., Sachu, M.K., & Ali, M.E., (2012) The Impact of Rewards on Employee Performance in Commercial Banks of Bangladesh: An Empirical Study. *Journal of Business and Management*, Vol. 6 No. 2, pp. 9-15
- Alon, R. and Yoram, L. (2010). The 2007-2009 *Financial Crisis and Executive Compensation: An Analysis and a Proposal for a Novel Structure*. Brandeis University – International Business School. Hebrew University of Jerusalem – Department of Finance and Banking; New York University (NYU) - Leonard N. Stern School of Business
<http://ssrn.com/abstract=1420991>
- Anderson, R. C., & Fraser, D. R. (2000). Corporate control, bank risk taking, and the health of the banking industry. *Journal of Banking & Finance*, 24(8), 1383-1398.
- Armstrong, C. S., & Vashishtha, R. (2012). Executive stock options, differential risk-taking incentives, and firm value. *Journal of Financial Economics*, 104(1), 70-88.
- Armstrong, M., & Taylor, S., (2014) *Armstrong's Handbook of Human Resources Practise* (13th Ed.), Kogan Page Limited.
- Asala, J. U. (2012). Determinants of executive compensation in Kenya. A case of listed firms on the Nairobi Stock Exchange. *Unpublished MBA thesis*. Kenyatta University, Kenya

Ashforth, B. E., & Gibbs, B. W. (1990). The double-edge of organizational legitimation. *Organization science*, 1(2), 177-194.

Associated Press (Sunday, August 29, 1999). *NY bank fires executive in money laundering plot*.

Azul, R. (2011). US banks involved in money laundering operation for Mexican mafia. Published by the *International Committee of the Fourth International (ICFI)*. Retrieved from <http://www.wsws.org/articles/2011/may2011/mexi-m20.shtml> on 15 May 2012

Baltagi, B. H., Bratberg, E., & Holmås, T. H. (2005). A panel data study of physicians' labor supply: the case of Norway. *Health Economics*, 14(10), 1035-1045.

Barako, D.G. Hancock, P. Izan, H.Y (2006). Relationship between Corporate Governance Attributes and Voluntary Disclosures in Annual Reports: The Kenyan Experience, *Working Paper*, Graduate School of Management, University of Western Australia.

Bartkus, B. R., Morris, S. A., & Seifert, B. (2002). Governance and Corporate Philanthropy Restraining Robin Hood. *Business & Society*, 41(3), 319-344.

Bebchuk, L. A. Cohen, A. & Spamann, H. (2010). The wages of failure: Executive compensation at Bear Stearns and Lehman 2000–2008. *Yale Journal on Regulation*.

Belsley, D. A., Kuh, E., & Welsch, R. E. (1980). Regression diagnostics. J.

Benito, A., & Conyon, M. J. (1999). The governance of directors' pay: Evidence from UK companies. *Journal of Management and Governance*, 3(2), 117-136.

Bhattacharyya, N., Mawani, A., & Morrill, C. (2008). Dividend payout and executive compensation: theory and evidence. *Accounting & Finance*, 48(4), 521-541.

Biegelman, M.T., & Bartow, J.T., (2012) *Executive Roadmap to Fraud Prevention and Internal Control: Creating a Culture of Compliance*. (2nd Ed.), John Wiley & Sons Inc.

- Boivie, S., Bednar, M. K., & Barker, S. B. (2015). Social comparison and reciprocity in director compensation. *Journal of Management*, 41(6), 1578-1603.
- Bolton, P. Scheinkman, & W. Xiong.(2006) Executive Compensation and Short-Termist Behaviour in Speculative Markets.” *Review of Economic Studies* 73, no. 3 (July 2006): 577-610.
- Boyd, B. (1990). "Corporate Linkages and Organizational Environment: A Test of the Resource Dependence Model." *Strategic Management Journal* 11(6): 419-430.
- Brealey, R. A., & Myers, S. C. (2003). *Capital investment and valuation*. McGraw Hill Professional.
- Bruce, A. Buck, T. & Main, B.G. (2005). Top executive remuneration: A view from Europe. *Journal of Management Studies*, 42(7): 1493–1506.
- Bruce, A., Skovoroda, R., Fattorusso, J., & Buck, T. (2007). Executive bonus and firm performance in the UK. *Long Range Planning*, 40(3), 280-294.
- Buck, T., Bruce, A., Main, B. G., & Udueni, H. (2003). Long term incentive plans, executive pay and UK company performance. *Journal of Management Studies*, 40(7), 1709-1727.
- Burnison, G. (2009). The Looming Compensation Crisis.(Electronic) Korn/Ferry Institute, 15 th Sept. Bushee, B. J., Core, J. E., Guay, W., & Hamm, S. J. (2010). The role of the business press as an information intermediary. *Journal of Accounting Research*, 48(1), 1-19.
- Cain, M. D., McKeon, S. B., & Davidoff Solomon, S. (2015). Do takeover laws matter? Evidence from five decades of hostile takeovers. Evidence from Five Decades of Hostile Takeovers (July 21, 2015). AFA.
- Carney, M., Gedajlovic, E., & Sur, S. (2011). Corporate governance and stakeholder conflict. *Journal of Management & Governance*, 15(3), 483-507.
- Carpenter, J. N. (2000). Does option compensation increase managerial risk appetite? *The journal of finance*, 55(5), 2311-2331.

- Carrell, M. R., &Dittrich, J. E. (1978). Equity theory: The recent literature, methodological considerations, and new directions. *Academy of Management Review*, 3(2), 202-210.
- Cascarino, R.E., (2013) *Corporate Fraud and Internal Control: A Framework for prevention*. John Wiley & Sons Inc
- Chen, C.R. Steiner, T.L. & A.M. Whyte, (2006). Stock option-based manager compensation induces risk-taking. An analysis of the banking industry,' *Journal of Banking and Finance* 30, 915–945.
- Chen, D., &Zheng, Y. (2014). CEO tenure and risk-taking. *Global Business and Finance Review*, 19(1), p1-27.
- Chesney, M., Stromberg, J., & Wagner, A. F. (2012). Risk-taking incentives and losses in the financial crisis. *Research Paper*, 10-18.
- Chibuike, U. U. (2012). Money Laundering: A View from a Developing Country. Department Of Banking and Finance, University Of Nigeria
- Christensen, P. O., Feltham, G. A., &Şabac, F. (2005). A contracting perspective on earnings quality. *Journal of Accounting and Economics*, 39(2), 265-294.
- Christensen, P.O., Feltham, J.A., (2005). *Economics of Information*, (Volume II:) Performance Evaluation. LLC, Springer-Verlag New York
- Christensen, P.O., Feltham, J.A., 2005. *Economics of Information*, Volume II: Performance Evaluation. LLC, Springer-Verlag New York.
- Coles, J.L. Daniel, N.D. & Naveen, L.(2006). Manager Incentives and Risk-taking, *Journal of Financial Economics* 79(2), 431–468.
- Conyon, M and Murphy, K. (2000), 'The Prince and the Pauper? CEO Pay in The Compensation in the United Kingdom', *Economic Journal*, 105, 704-714.

- Canyon, M. (1997), 'Corporate Governance and Executive Compensation', *International Journal of Industrial Organization*, 15, 493-509.
- Canyon, M. J., & He, L. (2016). Executive compensation and corporate fraud in China. *Journal of Business Ethics*, 134(4), 669-691.
- Canyon, M., Gregg, P., & Machin, S. (1995). Taking care of business: Executive compensation in the United Kingdom. *The Economic Journal*, 105(430), 704-714.
- Canyon, M.J., & He, L., (2013) Executive Compensation and Corporate Fraud in China. *Working Paper* Presented to Wharton School.
- Canyon, M.J., N. Fernandes, M. A. Ferreira, P. Matos and K.J. Murphy (2010), 'The Executive Compensation Controversy: A Transatlantic Analysis', *redraft of Annual FRDB conference paper*.
- Core, J., and D. Larcker (1999), 'Corporate Governance, chief executive officer compensation, and firm performance', *Journal of Financial Economics*, 51(3), 371-406. Crisis (Russell Sage Foundation).
- Creswell, J. W., Plano Clark, V. L., Gutmann, M. L., & Hanson, W. E. (2003). Advanced mixed methods research designs. *Handbook of mixed methods in social and behavioral research*, 209-240.
- Crowe, C. W., Ostry, M. J. D., Kim, M. J. I., Chamon, M. M., & Ghosh, M. A. R. (2009). *Coping with the crisis: policy options for emerging market countries*. International Monetary Fund.
- Crumley, C. (2008). A study of the relationship between firm performance and CEO compensation in the U.S. commercial banking industry. *Journal of Applied Management and Entrepreneurship*, 13, 26-46.
- Davis, G. F. and J. A. Cobb (2010) "Resource dependence theory: Past and future." Stanford's organization theory renaissance, 1970-2000: 21-42. Bingley, NY: Emerald Group.

- Demski, J. (1994). *Managerial Uses of Accounting Information*. Kluwer, Boston.
- Diamond, D.W. & Raghuram, G. Rajan, (2009). The credit crisis: Conjectures about causes and remedies. *American Economic Review: Papers & Proceedings* 99:2, 606-610
- Donaldson, L. (1990). A rational basis for criticism of organizational economics: a reply to Barney. *Academy of Management Review*, Vol. 15, pp. 394-401., ISSN: 0363-7425
- Donaldson, L., & Davis, J. H. 1991. Stewardship Theory or Agency Theory: CEO governance and shareholder returns. *Australian Journal of Management*, 16: 49-65.
- Donaldson, L., Davis, J. H. 1993. The Need for Theoretical Coherence and Intellectual Rigour in Corporate Governance Research: Reply to Critics of Donaldson and Davis. *Australian*
- Field, A. (2009). *Discovering statistics using SPSS*. Sage publications.
- Filatotchev, I. & Allcock, D. (2010). Corporate governance and executive remuneration: A contingency framework. *Academy of Management Perspectives*, 24(1): 20–33.
- Financial Services Authority (2009a), Reforming remuneration practices in financial services, *Consultation Paper*, 09/10 March.
- Financial Services Authority (2009b). Reforming remuneration practices in financial services: Feedback on CP09/10 and final rules, *Policy Statement* 09/15, August.
- Finkelstein S., Boyd B. (1998) ‘How much does the CEO matter? The role of managerial discretion in the setting of CEO compensation’ *Academy of Management Journal*. Vol. 41(2) Pp 179-200.
- Finkelstein S., Boyd B. (1998) ‘How much does the CEO matter? The role of managerial discretion in the setting of CEO compensation’ *Academy of Management Journal*. Vol. 41(2) Pp 179-200.

- Firth, M., Fung, P. M. Y., & Rui, O. M. (2007). How ownership and corporate governance influence chief executive pay in China's listed firms. *Journal of Business Research*, 60, 776-785.
- Gao, P. & Shrieves, R.E. (2002). Earnings Management and Executive Compensation: A Case of Overdose of Option and Underdose of Salary? *Working Paper*. University of nessee.
- Gao, P., and Shrieves, R., (2002). Earnings management and executive compensation: A case of overdose of option and under dose of salary? *Unpublished working paper*. University of Tennessee, Knoxville.
- Garen, J. E. (1994). Executive compensation and principal-agent theory. *Journal of political economy*, 1175-1199.
- Garvey, G., & Milbourn, T. (2003). Incentive compensation when executives can hedge the market: Evidence of relative performance evaluation in the cross section. *The Journal of Finance*, 58(4), 1557-1582.
- Gathua, P.K., Ngumi, P., & Kiragu, D.N., (2013) The Relationship between Executive Compensation and Risk Among Commercial Banks in Kenya. *Prime Journal of Social Sciences*, Vol. 2 (2), pp. 204-212
- Gomez-Mejia, L. & Wiseman, R. M. (1997). Reframing executive compensation: An assessment and outlook. *Journal of Management*, 23(3): 291–374.
- Gomez-Mejia, L. R., Larraza-Kintana, M., & Makri, M. (2003). The determinants of executive compensation in family-controlled public corporations. *Academy of management journal*, 46(2), 226-237.
- Greckhamer, T. (2011). Cross-cultural differences in compensation level and inequality across occupations: A set-theoretic analysis. *Organization Studies*, 32 (1), 85-115.
- Greckhamer, T., & Mossholder, K. W. (2011). Qualitative comparative analysis and strategic management research: Current state and future prospects. *Building Methodological Bridges (Research Methodology in Strategy and Management, (Volume 6)*, 259-88.

- Greenberg, J., & Baron, R. A. (2003). Behavior in organizations: *Understanding and managing the human side of work*. Pearson College Division.
- Gujarati, D. N. (2003). Basic Econometrics. (4th edition). New York: McGraw-Hill.
- Hagendorff, J., Saunders, A., Steffen, S., & Vallascas, F. (2015). The wolves of Wall Street? How Bank Executives Affect Bank Risk Taking (September 8, 2015).
- Hoskisson, R.E. Castleton, M.W. & Withers, M.C. (2009). Complementarity in monitoring and bonding: More monitoring leads to higher executive compensation. *Academy of Management Perspectives*, 23(2): 57–74.
- Houston, J. F., & James, C. (1995). CEO compensation and bank risk is compensation in banking structured to promote risk taking? *Journal of Monetary Economics*, 36(2), 405-431.
- Huseman, R.C., Hatfield, J.D. & Miles, E.W. (1987). A New Perspective on Equity Theory: The Equity Sensitivity Construct. *The Academy of Management Review*. 12;2: 222-234.
- Jensen, M. C., and Meckling, W. H. (1976), Theory of the firm: managerial behavior, agency costs, and ownership structure, *Journal of Financial Economics* 3, 305-360.
- Jensen, M., and K.J. Murphy (1990), 'Performance pay and top management incentives', *Journal of Political Economy*, 98, 225-264.
- Jian, C., Kent, C. and Todd, M. (2010). Compensation and Risk Incentives in Banking and Finance. *Economic Commentary*.
- Jin, L. (2002). CEO compensation, diversification and incentives. *Journal of Financial Economics*. 66, 29–63.
- John, K., Litov, L., and Yeung, B. (2008). Corporate governance and risk-taking. *Journal of Finance*, 63:1979–1728.

- Jones, R., & Wu, Y.W., (2010) Executive Compensation, Earnings Management and Shareholder Litigation. *Review of Qualitative Financial Accounting*, 35, 1-20 *Journal of Banking and Finance* 48, 139–151.
- Kang, S. H., Kumar, P., & Lee, H. (2006). Agency and corporate investment: the role of executive compensation and corporate governance. *The Journal of Business*, 79(3), 1127-1147.
- Kempf, A., Ruenzi, S., & Thiele, T. (2009). Employment risk, compensation incentives, and managerial risk taking: Evidence from mutual fund industry. *Journal of Financial Economics*. 92, 92-108
- Kerr, J., & Bettis, R. A. (1987). Boards of directors, top management compensation, and shareholder returns. *Academy of Management journal*, 30(4), 645-664.
- Kithinji, A., & Ngugi, W..(2005). Stock market performance before and after general elections—a case study of the Nairobi stock exchange.
- Laeven, L. and Levine, L. (2007). Is there a diversification discount in financial conglomerates? *Journal of Financial Economics*, 85:331–367.
- Lam, S. S., & Chng, B. F. (2006). Do executive stock option grants have value implications for firm performance?. *Review of Quantitative Finance and Accounting*, 26(3), 249-274.
- Landy, F.J. & Conte, J.M. (2010). *Work in the 21st Century: An introduction to industrial and organizational psychology*, (3rd ed). McGraw Hill
- Leisen, D. (2014). Does Bonus Deferral Reduce Risk Taking?. Available at SSRN 1662555.
- Leisen, D. P. (2015). Dynamic risk taking with bonus schemes. *Quantitative Finance*, 15(9), 1583-1596.
- Levine, R., (2012) The Governance of Financial Regulations: Reform Lessons from the Recent Crisis. *International Review of Finance*, 12:1, 39-56

- Low, A. (2009). Manager risk-taking behavior and equity-based compensation, *Journal of Financial Economics*, 92: 470-490.
- Maijor, S. J., & Vanstraelen, A. (2006). Earnings management within Europe: the effects of member state audit environment, audit firm quality and international capital markets. *Accounting and business research*, 36(1), 33-52.
- Main, B.G.M., A. Bruce, and T. Buck (1996), 'Total Board Remuneration and Company Performance', *Economic Journal*, 106, 1627-1644.
- Nyaoga, R.B., Basweti, A.K., & Tarus, K.E., (2014) The Relationship between Executive Compensation and Financial Performance of Insurance Companies in Kenya. *Research Journal of Finance and Accounting*, Vol. 5 No. 1, 114-122
- Ongore, V.O. (2011) The relationship between ownership structure and firm performance: An empirical analysis of listed companies in Kenya. *African Journal of Business Management*, 5(6),
- Ozkan N. (2007) CEO 'Compensation and Firm Performance: An Empirical Investigation of UK Panel Data' *Journal of Economic Literature*
- Palia, D., & Porter, R. (2004). The impact of capital requirements and managerial compensation on bank charter value. *Review of Quantitative Finance and Accounting*, 23(3), 191-206.
- Palmon, D., Santoro, M.A., & Straus, R., (2009) Pay Now, Lose Later: The Role of Bonuses and Non-Equity Incentives in the Financial Meltdown of 2007-2009. *Open Ethics Journal*, 3: 76-80
- Paolo, C. (2008). Executive Compensation: The Fallacy of Disclosure. Available at: <http://works.bepress.com/paolocioppa/1>
- Pathan, S. (2009). Strong boards, CEO power and bank risk-taking. *Journal of Banking & Finance*, 33(7), 1340-1350.

- Peng, M. W., & Jiang, Y. (2010). Institutions behind family ownership and control in large firms. *Journal of management Studies*, 47(2), 253-273.
- Pfeffer, J. (1982). *Organizations and Organization Theory*. Marshfield, MA, Pitman.
- Pfeffer, J. and G. R. Salancik (1978). *The External Control of Organizations: A Resource Dependence Perspective*. New York, NY, Harper and Row.
- Pinder, C. C. (1984). *Work motivation: Theory, issues, and applications*. Scott Foresman & Co.
- Rajgopal, S. & Shevlin, T. (2002). Empirical evidence on the relation between stock option compensation and risk taking, *Journal of Accounting and Economics*, 33, 145–171.
- Raviv, A., & Landskroner, Y. (2010, May). The 2007-2009 financial crisis and executive compensation: an analysis and a proposal for a novel structure. In Paris December 2010 Finance Meeting EUROFIDAI-AFFI.
- Richards, L. C., Heathfield, L. T., & Jenson, W. R. (2010). A class wide peer-modeling intervention package to increase on-task behavior. *Psychology in the Schools*, 47(6), 551-566.
- Rimberia, C. K. (2001). "A Survey of the Use of Flexible Human Resource Practices by policies, *Journal of Financial and Quantitative Analysis*, forthcoming. Political Economy, 102 (6), 1175-1199.
- Roba, A. (2008). "A Survey to Assess the Extent of Adoption of Strategic Human Resource Management Practices at Teachers Service Commission of Kenya," *Unpublished MBA project university of Nairobi*.
- Robbins, Stephen, P. & Judge, T.A. (2008). *Organizational Behavior*, (13th ed.,) Prentice-Hall.
- Salancik, G. R. (1979). "Inter organizational Dependence and Responsiveness to Affirmative Action: The Case of Women and Defense Contractors." *Academy of Management Journal* 22(2): 375-394.

- Saunders, M. N. (2011). *Research methods for business students*, (5th edition.) Pearson Education India.
- Scholt, H.E., & Smith, A. (2012). Executive remuneration and company performance for South African companies listed on the Alternative Exchange (AltX). *South African Business Review*, 16(1).
- Scott, W. R. (2003). *Organizations: Rational, Natural and Open Systems* (5th edition), Prentice Hall.
- Sharif, S. P. and Yeoh, K. K. (2014). "Independent Directors' Resource Provision Capability in Publicly-listed Companies in Malaysia." *Corporate Ownership and Control* 11(3): 113-121.
- Sharma, K. (2012). Financial sector compensation and excess risk-taking—a consideration of the issues and policy lessons. Retrieved November, 23, 2013.
- Shaw, K. W. & Zhang, M. H. (2010). CEO cash compensation punished for poor firm performance. *The Accounting Review*, 85(3), 1065-1093.
- Sigler K. J. (2011) 'CEO Compensation and Company Performance' *Business and Economics Journal*, Volume-31.
- Sloan, R. G. (1993). Accounting earnings and top executive compensation. *Journal of accounting and Economics*, 16(1-3), 55-100.
- Spitz-Oener, A. (2006). Technical change, job tasks, and rising educational demands: looking outside the wage structure. *Journal of labor economics*, 24(2), 235-270.
- Suchman, M. C. (1995). Managing legitimacy: Strategic and institutional approaches. *Academy of management review*, 20(3), 571-610.
- Taylor, D.B. (2007). *A brief guide to writing a literature review. Writing in the health sciences: a comprehensive guide*, University of Toronto, Toronto, Canada.

Thanassoulis, J. (2012). The case for intervening in bankers' pay. *The Journal of Finance*, 67(3), 849-895.

Thanassoulis, J. (2014). Bank pay caps, bank risk, and macro prudential regulation. *Journal of Banking & Finance*, 48, 139-151.

Tormo, R. J. (2006). Challenges and choices for theoretical research in human resource development. *Human Resource Development Quarterly*, 15, 171-188.

Trochim, W. (2006). *Research methods knowledge base*. Cincinnati, OH, United States: Atomic Dog Publishing United States of America: Wiley & Sons