# GOVERNANCE COST, PAY DISPARITY AND FINANCIAL FIRMS' EFFICIENCY IN NIGERIA

# OZORDI, EMMANUEL EBUBECHUKWU (16PAA01294)

# **AUGUST, 2022**

### GOVERNANCE COST, PAY DISPARITY AND FINANCIAL FIRMS' EFFICIENCY IN NIGERIA

BY

### OZORDI, EMMANUEL EBUBECHUKWU (16PAA01294) B.Sc Accounting, Landmark University, Omu-Aran M.Sc Accounting, Covenant University, Ota

### A THESIS SUBMITTED TO THE SCHOOL OF POSTGRADUATE STUDIES IN PARTIAL FULFILMENT OF THE REQUIREMENTS FOR THE AWARD OF DOCTOR OF PHILOSOPHY (Ph.D) DEGREE IN ACCOUNTING, IN THE DEPARTMENT OF ACCOUNTING, COLLEGE OF MANAGEMENT AND SOCIAL SCIENCES, COVENANT UNIVERSITY, OTA, OGUN STATE, NIGERIA

### **AUGUST**, 2022

### ACCEPTANCE

This is to attest that this Thesis is accepted in partial fulfilment of the requirements for the award of the degree of Doctor of Philosophy in Accounting degree in the Department of Accounting, College of Management and Social Sciences, Covenant University Ota, Ogun State, Nigeria.

Mr. Taiwo B. Erewunmi (Secretary, School of Postgraduate Studies)

**Signature and Date** 

Prof. Akan B. Williams (Dean, School of Postgraduate Studies)

**Signature and Date** 

### DECLARATION

I, **OZORDI, EMMANUEL EBUBECHUKWU** (**16PAA01294**), declare that this research work was carried out by me under the supervision of Prof. Olubukunola R. Uwuigbe, of the Department of Accounting, College of Management and Social Sciences, Covenant University, Ota, Ogun State and Dr. Stephen A. Ojeka, of the Department of Accounting, College of Management and Social Sciences, Covenant University, Ota, Ogun State. I attest that the Thesis has not been presented either wholly or partially for the award of any degree elsewhere. All sources of data and scholarly information used in this thesis are duly acknowledged.

### **OZORDI, EMMANUEL EBUBECHUKWU**

**Signature and Date** 

### CERTIFICATION

We certify that this Thesis titled "GOVERNANCE COST, PAY DISPARITY AND FINANCIAL FIRMS' EFFICIENCY IN NIGERIA" is an original research work carried out by OZORDI EMMANUEL EBUBECHUKWU (16PAA01294), in the Department of Accounting, College of Management and Social Sciences, Covenant University, Ota, Ogun State, Nigeria under the supervision of Prof. Olubukunola R. Uwuigbe and Dr. Stephen Ojeka. We have examined and found this work acceptable as part of the requirements for the award of the degree of Doctor of Philosophy (Ph.D) in Accounting.

Prof. Olubukunola R. Uwuigbe (Supervisor)

Dr. Stephen A. Ojeka (Co-Supervisor)

**Prof. Francis O. Iyoha** (Head, Department of Accounting)

Prof. Akintola A. Owolabi (External Examiner)

Prof. Akan B. Williams (Dean, School of Postgraduate Studies) **Signature and Date** 

### **DEDICATION**

This Thesis is dedicated to God, who has given me the strength, grace, wisdom, and inspiration to complete this study successfully. Unto thy name, O Lord, be all the Glory.

#### ACKNOWLEDGEMENTS

Any accomplishment in life requires the effort of many people and this work is no different. My special gratitude goes to Almighty God, who made everything possible in His own time because His mercy is without bounds. Lord, may your Name alone be glorified. This research project's success is due to numerous giants who have offered their shoulders as the platforms for its successful completion. This is the unique opportunity I have to express my profound gratitude to all.

My appreciation goes to the Chancellor of Covenant University, Dr David O. Oyedepo for his insight and for always finding time to push us to reach our full potential. I pray that God continues to strengthen him and bestow more grace unto him. AMEN!

My appreciation goes to the Vice-Chancellor of Covenant University, Prof. Adebayo H. Abiodun, the Acting Registrar Mr. Emmanuel K. Igban, the Dean, School of Postgraduate Studies, Prof. Akan B. Williams, Sub-Dean School of Postgraduate Studies, Dr. Emmanuel O. Amoo. I want also appreciate the Dean College of Management and Social Sciences (CMSS), Prof. Abiola A. Babajide, and the Immediate-past Dean of CMSS, Prof. Uwuigbe Uwalomwa, for their commitment towards the successful completion of my Doctor of Philosophy Degree programme. I am most grateful. I wish to thank the Head of Department, Prof. Francis O. Iyoha, for his leadership, drive and commitment to progress, which has immensely contributed to this work and the programme.

I wish to sincerely express my profound gratitude to my supervisor, Prof. Olubukunola R. Uwuigbe, who has been very concerned with the success of this research. I appreciate her mentoring throughout these years. Thank you for the access granted at all times while supervising this work. Thank you for your support, encouragement, feedback, and creative ideas. It is worthy to state that your questions and observations challenged, inspired, encouraged, and helped me discover the joy of writing a Ph.D thesis. Also, your immense contributions greatly enhanced this work's quality, coupled with a gentle approach, observations, sound criticisms, suggestions, and constant availability. Also, there is no volume of words that is enough to express my appreciation for my Co-Supervisor, Dr. Stephen A. Ojeka. Thank you for creating time out of your busy schedule to offer necessary guidance. I

appreciate your patience and meticulous attention while going through the work. I acknowledge your motivation and inspiration that triggered me for the thesis.

I humbly and wholeheartedly thank my Head of Department- Prof. Francis O. Iyoha, for his outstanding and focused leadership. I cannot but mention your remarkable availability and quick response to all the challenges during this research. I appreciate your prayers and concern for the success of this research. Also, I give a profound thank you to my Postgraduate Representatives and College Examiners, Internal and External Assessors. They assessed and examined this work for the Doctor of Philosophy Degree in Accounting award. May God Almighty reward and bless them abundantly. I thank the Centre for Learning Resources (CLR) for making the library available for studying.

I appreciate all Faculty and Staff in the Department of Accounting, Covenant University, whose diverse comments and unique contributions make this research work successful. These include; Prof. Uwalomwa Uwuigbe, Dr. Dorcas T. Adetula, Dr. Kingsley A. Adeyemo, Dr. Stephen A. Ojeka, Dr. Sylvester O. Eriabie, Dr. Obiamaka Nwobu, Dr. Cordelia O. Omodero, Dr. Omotola A. Ezenwoke, Dr. Peace O. Okougbo, Dr. Olamide A. Olusanmi, Dr. Folashade O. Owolabi, Dr. Sharon O. Oluseyi, Dr. Osariemen N. Asiriuwa, Mr. Simon O. Ilogho, Mr. Opeyemi O. Ajetunmobi, and Mr. Alex T. Adegboye. To the wonderful administrative staff of the Department of Accounting. Thank you sincerely for always being there for me in need of the hour and providing the help and facilities required to complete my thesis work. My gratitude would be incomplete without appreciating my colleagues, Obarakpo Teddy, Kalu Tony Ogechi, Ayenomoh Emmanuel, Ametefe George, Eluyela Damilola, Henshaw Cydellia Esq., Osuma Osagie, for their contributions towards this work.

I owe a debt of indescribable magnitude to my parents, Mr. and Mrs. Ozordi, for all words of encouragement, advice, and prayers they have been investing, in making me understand and appreciate the value of qualitative education. I am indeed blessed to be a product of your loins. God bless you, and may you live long in sound health and mind to enjoy your labours' bountiful fruits, Amen. To my amazing sisters, you all represent the gift of God to me, thank you for always praying for me. I deeply appreciate you all. God bless you. You are the best siblings anyone could ask for. Finally, I earnestly appreciate other colleagues, classmates, and friends for their input pertaining to this work. May God bless them all. Amen.

# **TABLE OF CONTENTS**

CONTENT COVER PAGE TITLE PAGE ACCEPTANCE DECLARATION CERTIFICATION DEDICATION ACKNOWLEDGEMENTS TABLE OF CONTENTS LIST OF FIGURES LIST OF ABBREVIATIONS ABSTRACT	PAGES i ii iii iv v v vi vii ix xiii xiv xvi
CHAPTER ONE	1
INTRODUCTION	1
<ol> <li>Background to the Study</li> <li>Statement of the Research Problem</li> <li>Research Questions</li> <li>Objectives of the Study</li> <li>Research Hypotheses</li> <li>Scope of the Study</li> <li>Significance of the Study</li> <li>Operational Definition of Terms</li> </ol>	1 5 7 7 8 8 9 9
CHAPTER TWO	12
LITERATURE REVIEW	12
<ul> <li>2.1 Preamble</li> <li>2.2 Conceptual Framework</li> <li>2.2.1 Conceptual Model</li> <li>2.2.2 Corporate Governance</li> <li>2.2.2.1 Corporate Governance Principles</li> <li>2.2.2.2 Chief Executive Officer (CEO) Compensation</li> <li>2.2.3 Director Remuneration</li> <li>2.2.4 Employee Pay</li> <li>2.2.3 Pay Disparity</li> <li>2.2.3.1 Arguments for High Pay Disparity</li> <li>2.2.3.2 Arguments for Low Pay Disparity</li> <li>2.2.4 The Concept of Corporate Efficiency</li> <li>2.2.4.1 Technical Efficiency</li> <li>2.2.4.2 Economic Efficiency</li> <li>2.2.4.2 Dynamic Efficiency</li> <li>2.2.4.2 Allocative Efficiency</li> <li>2.2.4.2 Allocative Efficiency</li> </ul>	12 12 12 13 14 14 15 17 18 19 20 21 22 22 22 22 22 22 22 22 22
2.2.4.2.3 Allocative Efficiency 2.2.5 Engineering Efficiency	23 23

2.2.6	The Efficiency Trap	23
2.2.7	The Firm's Lifecycle	24
2.2.8	The Dynamics of Governance Cost and the Stages of a Firm's Lifecycle.	24
2.2.8.1	Introduction Stage	25
2.2.8.2	Growth Stage	25
2.2.8.3	Maturity Stage	27
2.2.8.4	Shake-Out Stage	27
2.2.8.5	Decline Stage	28
2.2.9	Statement of Cash Flow	28
2.2.9.1	Operating Activities	28
2.2.9.2	Investing Activities	29
2.2.9.3	Financing Activities	29
2.3 The	eoretical Review	30
2.3.1	Agency Theory	30
2.3.2	Equity Theory	31
2.3.3	Stakeholder Theory	32
2.3.4	Efficiency Structure Theory	34
2.3.4 (a)	X- efficiency Hypothesis	35
	) Scale-efficiency Hypothesis	35
2.3.5	Theoretical Discussion and Justification	35
2.4 Em	pirical Review	36
2.4.1	Chief Executive Officer (CEO) Compensation and Firm Performance	36
2.4.2	Director Remuneration and Firm Performance	37
2.4.3	Auditor Remuneration and Firm Performance	39
2.4.4	Pay Disparity and Firm Performance	40
2.4.5	Firm lifecycle and Firm Performance	41
2.4.6	Summary of Empirical Review of Literature	42
2.4.7	Summary of Literature Review	43
2.5 Gap	os in Literature	78

CHA	PTER	THR	EE
-----	------	-----	----

### 79

METHODOLOGY	
3.1 Preamble	79
3.2 Research Design	79
3.2.1 Population of the Study	79
3.2.2 Sample Size Determination	80
3.2.3 Sampling Technique	81
3.3 Method of Data Analysis	81
3.3.1 Descriptive Statistics	82
3.3.2 Correlation Matrix	82
3.4 Model Specification	82
3.5 A Priori Expectations	83
3.6 Sources of Data	84
3.6.1 Data Description	84
3.6.2 Measurement of Variables	85
3.6.2.1 Dependent Variables	85
3.6.2.2 Independent Variables	86

CHAPTER FOUR	92
RESULTS AND DISCUSSION	
4.1 Preamble	92
4.2 Data Presentation and Analysis	92
4.2.1 Descriptive Statistics	92
4.2.1.1 Descriptive Statistics for Banks	92
4.2.1.2 Descriptive Statistics for Insurance Firms	95
4.2.1.3 Descriptive Statistics for Investment Firms	97 98
<ul><li>4.2.2 Correlation analysis</li><li>4.2.3 Analysis of Efficiency</li></ul>	103
4.2.3 Analysis of Efficiencies (Annual Estimates)	103
4.2.4 Discrimination of Inefficient Banks	112
<ul><li>4.2.5 Regression Analysis of Governance Cost, Pay Disparity and Efficiency</li></ul>	114
4.4 Discussion of Results	131
4.4.1 Discussion of Results from Descriptive Statistics	132
4.4.2 Discussion of Results from Efficiency Analysis	134
4.4.3 Discussion of Result from Hypothesis One	135
4.4.4 Discussion of Result from Hypothesis Two	138
4.4.5 Discussion of Results from Hypothesis Three	140
CHAPTER FIVE	141
CONCLUSION AND RECOMMENDATIONS	141
5.1 Preamble	141
5.2 Summary	141
5.2.1 Summary of Theoretical Findings	143
5.3.2 Summary of Empirical Findings	146
5.4 Contribution to the knowledge	148
5.5 Policy Implications	148
5.6 Limitations of the study	149
5.7 Conclusion	149
5.8 Recommendations	150
5.9 Suggestions for further studies	151
REFERENCES	152
APPENDIX I: Output for Table 4.4	171
APPENDIX II: Output for Table 4.8	171
APPENDIX III: Output for Table 4.10	172
APPENDIX IV: Output for Table 4.12	172
<b>APPENDIX V: Output for Table 4.16</b>	173
APPENDIX VI: Output for Table 4.17	175
APPENDIX VII: Output for Table 4.18	177
APPENDIX VIII: Output for Table 4.19	180
APPENDIX IX: Output for Table 4.20	182
APPENDIX X: Output for Table 4.21	184
APPENDIX XI: Output for Table 4.22	186

# LIST OF TABLES

### TABLES

# TITLE

### PAGES

2 1: The Life cycle stages of a firm using the cash flow pattern	30
2.2: Summary of Empirical Review of Literature on Governance Cost and Firm Performance	43
2.3 Summary of Empirical Review of Literature on Governance Cost and Firm Efficiency	70
2.4 Summary of Empirical Review of Literature on Pay Disparity and Firm Efficiency	74
3.1: Population of the Study	80
3.2: Sample of the Financial Sector	81
3.3: Definition of Variables	89
4.1: Descriptive Statistics for Banks	94
4.2: Descriptive Statistics for Insurance Firms	96
4.3: Descriptive Statistics for Investment Companies	98
4 4: Correlation Matrix	100
4.5: Correlation Matric for all Variables, Banks	101
4.6: Correlation Matric for all Variables, Insurance firms	102
4.7: Correlation Matric for all Variables, Investment companies	103
4.8: Analysis of Efficiency for Insurance Companies	105
4.9: Inefficient Scores for Insurance Companies	107
4.10: Efficiency Scores of Banks	108
4.11: Inefficiency Scores for Banks	109
4.12: Analysis of Efficiency for Investment Companies Error! Bookmark not de	fined.
4.13: Descriptive statistics for the Technical Efficiency Scores	111
4.14: Number of Efficient Companies Per Year	112
4.15: Classification of Inefficient Companies	115
4.16: Tobit Results for Aggregate Datasets	118
4.17: FGLS Results for Aggregate Datasets	120
4.18: Results of Insurance Firms from the Tobit Estimates	123
4.19: Results of Insurance firms from FGLS estimates	125
4.20: Results of banking firms from the Tobit estimates	127
4.21: Results of Banking firms from FGLS estimates	128
4.22: Results of Investment banking firms from the Tobit estimates	130
4.23: Results of Investment banking firms from the Tobit estimates	130

# LIST OF FIGURES

FIGURES TITLE		PAGES
2.1	Conceptual Model	13
2.2	Stakeholder Structure Source	34
3.1	Schematic representation of the relationship between governance cost and firm	l
efficie	ency when the stages of the firm's life cycle are considered	88
4.1	Histogram for Efficiency Measures	112
4.2	Annual efficiency scores for insurance companies	113
4.3	Annual Efficiency Scores for Banks	114
4.4	Annual efficiency scores for investment companies	114

# LIST OF ABBREVIATIONS

AGM	Annual General Meeting
AMCON	Asset Management Company of Nigeria
BOFIA	Banking and Other Financial Institution Act
CAC	Corporate Affairs Commission
CAMA	Company and Allied Matters Act
CBN	Central Bank of Nigeria
CEO	Chief Executive Officer
CRS	Constant Return to Scale
DEA	Data Envelopment Analysis
DMU	Decision-Making Units
EPS	Earnings Per Share
FGLS	Feasible Generalised Least Squares
FLC	Firm Life Cycle
GC	Governance Cost
IARS	International Accounting and Reporting Standards
IASB	International Accounting Standard Board
IFRS	International Financial Reporting Standard
LTIPs	Long-term Incentives Plans
NAICOM	The National Insurance Commission
NSE	Nigerian Stock Exchange
OECD	Organisation for Economic Corporation and Development
OLS	Ordinary Least Square
PCA	Principal Component Analysis
PE	Performance Efficiency
PENCOM	Pension Commission
PPF	Production Possibility Frontier
PTRA	Panel Tobit Regression Analysis
ROA	Return on Asset
ROE	Return on Equity
RNOA	Return on Net Operating Assets
SDGs	Sustainable Development Goals
SE	Scale Efficiency
	viv

SEC	Security and Exchange Commission
SFA	Stochastic Frontier Analysis
SFP	Statement of Financial Position
TE	Technical Efficiency
TMT	Top Management Team
UNDESA	United Nations Department of Economic and Social Affairs
VRS	Variable Return to Scale
WBG	World Bank Group

### ABSTRACT

Organisation must factor in governance costs as they aspire to build a sustainable business. The consistent agency problems need attention within the financial firm operations in this sensitive era. Therefore, this study examined the impact of governance cost and pay disparity on financial firms' efficiency. The study selected 40 out of the 50 financial firms on the Nigeria stock market. The study employed Saunders, Lewis and Thornhill, (2019) sampling technique formula because it ensured an adequate representation and selection process of the firms within its sub-sector. The study adopted an *ex-post-facto* research design. Data was collected using secondary sources from the firms' annual reports for nine years (2012-2020). The efficiency scores were measured using the Data Envelopment Analysis (DEA), factoring two input variables (Total Assets and Total Equity) and Output variables (Gross premium, Net premium, underwriting losses or gains). Consequently, firms with an efficiency score of (1) served as the benchmark for an efficient firm operation in which other similar firms could emulate. The study found that Banks and Investment firms approached the threshold on the efficiency scores while insurance firms operated below the average benchmark score point in aggregate. The outcome suggests that insurance firms are not performing optimally. Additionally, the study utilised the Panel Tobit regression to test the hypotheses and found a significant influence amidst the constructs. The findings from the study showed that the current governance cost positively influences the efficiency of the sampled firms. In the same vein, pay disparity had a positive influence on the sampled firms' efficiency. The study found a widen pay gap between directors pay packages and other staffs pay packages on an average. Despite these wide ratios the sampled firms performed optimally. Furthermore, governance cost across corporate life cycle exhibited an adverse influence on financial firm's efficiency which suggest that raising the cost of governance without factoring the corporate life cycle will be detriment to the efficiency than improving it. Therefore, the study concluded that governance cost and pay disparity significantly influence financial firms' efficiency and recommended that the current budgetary provision on financial firms' governance costs is sufficient to drive efficiency. However, an increase won't affect the firms' efficiency, but the consistent increase without paying attention to the corporate life cycle of the firm will affect the firms' efficiency negatively. Hence, Managers should consider a periodic and structural approach this will help moderate the increment with the corporate life cycle pathway per time. The study recommends that the current pay structure should be managed to ensure that all segments contribute to efficiency over time.

Keywords: Corporate lifecycle, Data Envelopment Analysis, Governance Cost, Pay Disparity, Performance Efficiency