## SELECTED MACROECONOMIC VARIABLES AND STOCK PRICE MOVEMENT IN

### NIGERIA

(1985-2014)

BY

## SENIBI, ESTHER JOHNSON

## 08AG06802

M. Sc. Banking and Finance

Being a Research Project submitted to the Department of Banking and Finance, Covenant University Ota, Ogun State, Nigeria in Partial Fulfilment for the Requirement of the Award of the Masters of Science (Honours) Degree in Banking and Finance.

JUNE 2015

### CERTIFICATION

I hereby, certify that this research project written by SENIBI, ESTHER JOHNSON titled "SELECTED MACROECONOMIC VARIABLES AND STOCKPRICE MOVEMENT IN NIGERIA" was supervised and submitted to the Department of Banking and Finance, Covenant University Ota, Ogun State.

-----

-----

-----

-----

Date

Date

Dr. Omankhanlen Alex Ehimare

(Project Supervisor)

-----

Dr. O.A. Ikpefan

Head of Department (H.O.D)

-----

External Examiner

Date

### DECLARATION

It is hereby declared that this research project titled "SELECTED MACROECONOMIC VARIABLES AND STOCKPRICE MOVEMENT IN NIGERIA was undertaken by SENIBI, Esther Johnson and it is based on her original study in the Department of Banking and Finance, Covenant University under the supervision of Dr. Omankhanlen Alex Ehimare. This Research work duly expressed and acknowledged the view of other Researchers.

.....

.....

### SENIBI, ESTHER JOHNSON

Date

(Student Signature)

### DEDICATION

This Research Project is dedicated to God Almighty for his unconditional love, favour, grace, mercy, strength and wisdom showered on me in all my academic pursuits.

I also dedicate this project to my loving parents Engr. Johnson Folorunsho Senibi and Mrs Elizabeth Ajayi Senibi for their prayers and support to see me throughout my academic pursuit to excellence in life.

#### ACKNOWLEDGEMENT

The success of this research project has been made possible by the only wise God in whom there is no shadow of turning and his mercies endures forever towards me. I give God thanks for keeping me alive to complete this research work, to him alone is all the glory for ever amen.

I appreciate the Chancellor, Bishop David Oyedepo, Prof. C. K. Ayo (the Vice Chancellor), Prof. C. Ogbulogo (the Dean School of Post Graduate Studies), Prof. Ogunrinola (the Dean, College of Developmental Studies), for allowing themselves to be used by God to nurture the vision of raising a new generation of leaders for our generation, may the good Lord reward them all.

I want to specifically thank my Supervisor, Dr Omankhanlen Alex Ehimare for the fatherly role he played in supervising my project, I am so grateful Sir, and God bless you immensely. I also thank Dr O. A. Ikpefan (H.O.D. Banking and Finance Department) for all his efforts I making the M.Sc. program a success, God bless you greatly. To the coordinator, Dr. K. Adetiloye for his listening ears, patience heart and guiding hands throughout the programme, may you and your family receive unending favour from the lord. I also want to thank Dr Babajide, Dr Olokoyo, Dr Adebuyi, Dr Okoye, Mr Oni and a host of others.

My special gratitude are to my parents for loving and supporting my aspirations and goals, only God can truly crown your efforts, you will both by God's grace reap the fruits of your labour.

Most importantly I want to say a big thanks to my sisters and brothers Ruth Senibi, Victoria Senibi, James Senibi and John Senibi; I love you immensely. To my sweetheart, Ekalo Peter thanks for all the support, strength and encouragement, I love you dearly. To my colleagues and friends Ajibade Damilola Daniel, Mr John, Tochukwu Okafor, Damilola Aderohunmu, Mr Patrick, Omolayo, Aderonke and Titilayo; I love you all, thanks for your significant contributions.

## TABLE OF CONTENTS.

| Cover<br>Pages.  | Page |
|------------------|------|
| Title Page       | i    |
| Certification    |      |
| Declaration      | iv   |
| Dedication       | V    |
| Acknowledgement  | vi   |
| Abstract         | vii  |
| Table of Content | viii |

# **CHAPTER ONE: INTRODUCTION**

| 1.1 | Background to the Study          | .1 |
|-----|----------------------------------|----|
| 1.2 | Statement of Research problem    | 3  |
|     | Research Questions               |    |
| 1.4 | Objectives of the Study          | .8 |
|     | Statement of Research Hypotheses |    |
| 1.6 | Significance of the Study        | .9 |
| 1.7 | Scope of the Study               | .9 |
|     | Plan of the Study                |    |

## CHAPTER TWO: LITERATURE REVIEW.

| 2.0 Introduction  |    |
|---|----|
| 2.1 Conceptual Framework  | 12 |
| 2.1.1 Economic Implication of Variations in Economic Aggregates on Stock Prices | 13 |
| 2.2 Brief Description of Variables  | 14 |
| 2.13 Investment and Growth  | 16 |
| 2.2 Theoretical Review of the Literature  | 16 |
| 2.2.1 Neoclassical Growth Model   | 16 |
| 2.2.2 Harrod-Domar Growth Model   | 18 |
| 2.2.3 Accelerat   |    |
| 2.4 Empirical Review  | 28 |
|   |    |

## CHAPTER THREE: RESEARCH METHODOLOGY.

| 3.1 Introduction                          | 34 |
|---|----|
| 3.2 Theoretical Framework                 | 34 |
| 3.2.1 Arbitrage Pricing Model             | 34 |
| 3.3 Review of previous Models and Methods |    |
| 3.4 Model Specification                   |    |
| 3.5.0 Estimation Techniques               |    |
| 3.5.1 Unit Root Test                      |    |
| 3.5.2 Johansen Co-integration Techniques  |    |
| 3.5.3 Vector Error Correction Mechanism   | 40 |
| 3.5.4 Granger Casualty Test               | 40 |
| 3.6 Description of Variables              | 41 |
| 3.7 Data Description                      | 42 |

## CHAPTER FOUR: DATA PRESENTATION AND ANALYSIS.

| 4.0 Introduction                               | .43 |
|--|-----|
| 4.1 Data Analysis and Interpretation of Result | .43 |
| 4.2 Unit Root Test                             | .43 |
| 4.2.2 Co-integration Test                      | .45 |
| 4.2.3 Vector Error Correction Mechanism        | .48 |
| 4.2.4 Granger Casualty Test                    | .49 |
| 4.3. Testing of Hypothesis                     | 50  |
| 4.4 Discussion of Results                      | .51 |

# CHAPTER FIVE: SUMMARY, CONCLUSION AND RECOMMENDATION.

| 5.1 Summary              | 54    |
|--------------------------|-------|
| 5.2 Findings             | 55-56 |
| 5.2.2 Empirical Findings | 57-58 |

| 5.3 Policy Implication and Recommendations | .59 |
|--|-----|
| 5.4 Suggestions for Further Studies        | 60  |
| 5.5 Conclusion                             | 60  |

#### ABSTRACT

This study assesses the relevance of selected macroeconomic variables in predicting the trends of stock prices by employing evidences from the Nigerian economy. Estimation techniques such as Vector Error Correction Technique, Phillip Peron's unit root test, Johansen Co-integration techniques were employed to investigate both the long run and short run relationship of macroeconomic variables on stock prices (Share Index), Granger Casualty Test was carried out to determine the casual effect macroeconomic variables have on share prices. Data were collated from the CBN bulletin. The empirical results demonstrated that only changes in oil price, inflation and exchange rate can exact significant influence on share prices while others showed no significant influence, although inflation and oil price had an insignificant relationship with share price. The Granger Casualty test showed o casual effect between macroeconomic variables and share prices. Therefore, the study recommends based on conclusion that movements in macroeconomic variables is significant to dictate activities of stock prices in Nigeria.