

**EFFECT OF INTERNATIONAL FINANCIAL REPORTING STANDARDS
ADOPTION ON EARNINGS QUALITY OF LISTED CONGLOMERATE
FIRMS IN NIGERIA**

BY

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**BEING A PROJECT SUBMITTED TO DEPARTMENT OF ACCOUNTANCY,
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DECLARATION

I declare that the work in this dissertation entitled EFFECT OF IFRS ADOPTION ON EARNINGS QUALITY OF LISTED CONGLOMERATE FIRMSIN NIGERIA has been carried out by me in the Department of Accounting Kaduna Polytechnic, Kaduna. The information derived from the literature has been duly acknowledged in the text and a list of references provided. No part of this dissertation was previously presented for another degree or diploma at this or any other institution.

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CERTIFICATION

This dissertation entitled EFFECT OF IFRS ADOPTION ON EARNINGS QUALITY OF LISTED CONGLOMERATE FIRMS IN NIGERIA by ALIYU ADAM with Reg. no KPT/CBMS/19/51817 and has been prepared in accordance with the appropriate norms, procedure, rules and regulations governing the preparation and presentation of project in Kaduna Polytechnic, Kaduna.

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DEDICATION

This project is dedicated to Almighty Allah (S.W.T), who gave me the grace to finish this course successfully.

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My immeasurable appreciation goes to Allah (S.W.T) for His protection and support directly and indirectly throughout my life. I fully acknowledged and believed that without Allah's (S.W.T) mercy and support, I would not achieve what I have already achieved now.

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ABSTRACT

As the debate on the impact of global IFRS adoption continues, little is known about the outcome in Nigeria despite mandatory IFRS adoption, creating a gap. This study examined the effect of IFRS adoption on earnings quality of listed conglomerate firms in Nigeria. The study adopted a correlational and ex-post facto research designs and used data collected from annual reports and accounts of all conglomerate firms listed on the Nigerian Stock Exchange (NSE) as at 2020; examining differences in earnings quality between NGAAP and IFRS reporting years (2013-2011 pre IFRS and 2012-2020 IFRS regulation). This research finds that under IFRS, increase in earnings quality due to increase in persistency of earnings. However, it also finds that, decrease in earnings quality due to decrease in predictability of cash flow and increase in earnings management. Overall, the findings were mixed with two out of the three metrics of the quantitative results indicating that quality has marginally decreased while one indicated that quality improved thus, leading to the conclusion that accounting quality has remained almost the same. Based on the findings, the study recommends that to enhance maximum benefits of IFRS adoption in Nigeria, regulators, standard-setters, top management, external auditors and other policy makers being the key players in standards, need to re-evaluate and work together to tighten compliance and enforce consistency in Nigerian firms so that the impact of IFRS could be felt more, also ensure that the actors in the capital market comply fully with all standards and rules that have been set.

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CHAPTER ONE INTRODUCTION

1.1 Background to the Study

Globalization of the world's capital markets has brought to the forefront the increasing need for comparable and reliable financial information to support the varied transactions and operations of these markets. Transparency and relevance are attributes of financial reporting. Accounting information that meets these attributes increases investors' confidence, leading to enhanced capital flow. The recent financial crisis has been partly blamed on the erosion of investors' confidence, owing to perceived lack of transparency in financial markets. Devalle, Onali, and Magarini (2010) posit that opaque markets aggravate the problem of information asymmetry between insiders and outsiders, which could impede the efficient allocation of resources. The International Accounting Standards Board's (IASB) has equally acknowledged the need to improve reporting quality globally. Consequently, the IASB promotes the application of a common set of financial reporting standards as a solution.

Further, extant literature suggests that applying diverse accounting standards around the world often results in the use of different criteria for resources accounting (IASB, 2019; Lorichir, 2015). Analysts view that this creates inconsistencies in the investment information employed by global investors; a gap that is expected to be narrowed by global application of IFRS. In this regard, complying with IFRS is expected to facilitate informed trading and reduce adverse selection in the market. Information asymmetry puts small investors, who are less likely than their sophisticated counterparts to generate financial information from alternative sources at a disadvantage in the market (Ball, 2016). The notion behind the promotion of a common set of high-quality standards globally is that the risk and cost of processing financial information to investors is reduced. Hassan (2015) opined that in Nigeria, the information disclosure

requirements in the financial statements under Nigerian generally accepted accounting principles (NGAAP) were grossly inadequate to effectively bridge the information asymmetry between companies and the users of the financial statements. Shehu (2011) posit that financial information quality in Nigeria remains weak compared too many advanced jurisdictions. This resulted in the hampering of the growth of efficient equity markets. A common complaint among investors in Nigeria is that financial information on company performance is either unavailable or, if provided, lacks reliability. Hence, he conceived that companies will disclose more of their financial information with the transition to IFRS.

The adoption of IFRS definitely affects many aspects of accounting. For instance, the introduction of fair value principle, which is regarded as the most important implication of IFRS, motivates more debate on the adoption of the standards. More clearly, IFRS required the use of fair value contrary to the book value as used by Nigerian GAAP. It is believed that fair value provides up-to-date information about assets as it reflects their real value. However, impairment test is carried out on goodwill under IFRS, while it expected to be amortized under NGAAP. Adeyemi (2016) is of the opinion that managers have more flexibility under IFRS and may intend to use their accounting decisions to manipulate impairment test of goodwill which could affect the quality of reported earnings. Likewise, NGAAP allows convertible debt to be recorded as long-term debt, while the IFRS records convertible bonds separately into the equity component and the debt components. IFRS which is a principle-based accounting method give managers significant flexibility and discretion and leave more room for earnings manipulation than rule-based accounting standards NGAAP (Adeyemi, 2016).

Furthermore, Delloite (2013) reported that the inception of IFRS has led to the use of a variety of definitions for elements of financial statements like assets, liabilities, equity, income and

expenses. It has also resulted in the use of different criteria for the recognition and measurement of items in the financial statements. In addition, Galaen and Stenheim (2010) recognised that the shift to IFRS represents substantial change in recognition and measurement of accounting numbers and it is reasonable to believe that adoption of IFRS will affect the quality of accounting numbers. Application of the IFRS is expected to produce higher quality financial information because the International standards are characterised by features that facilitate reporting of quality accounting information (Barth et al, 2018).

Earning quality is defined in SFAC No.1 (2018) as earning of higher quality that provides more information about the feature of a firm's financial performance that is relevant to a specific decision made by a specific decision maker. The quality of accounting information is often determined by the quality of the reported earnings (Schipper, 2013). Researchers use different methods in determining the quality of reported earnings, and so, there is no universal approach on how to determine quality of the reported earnings. Schipper and Vincent (2013) consider three earnings quality constructs: persistence, predictive ability, and the time-series variance of earnings as measures of earnings quality. These constructs are consistent with the Conceptual Framework which suggests that earnings quality might be assessed by some combination of persistence, predictive ability, and variability of earnings.

Earnings being one of the most significant economic variables in financial statements serve as a decision base for different users of financial information. The IASB's campaign on the global adoption of IFRS has recorded considerable achievements and over 120 countries have adopted or officially allowed IFRS (PWC, 2014). Other countries are establishing timelines to adopt the IFRS. However, the perception that adoption of IFRS is likely to increase quality in reporting earnings and usefulness of financial statements globally has generated considerable

debate. Studies (Lorchir, 2015; Barth, & Schipper, 2018; Atwood, Drake, Myers, & Myers, 2011; Agostino, Drago, & Silipo, 2011) have analysed the impact of IFRS adoption on earnings quality. Different perspectives are followed, targeting various countries and continents.

There are two conflicting views regarding the influence of IFRS adoption on accounting quality. Some studies show that IFRS implementation improves earnings' quality. In particular, proponents such as Agostino et al, (2011); Lorchir (2015) argued that firms reporting under IFRS provide more decision-useful accounting numbers, for investment and lending purposes relative to firms reporting under domestic accounting standards. The decision usefulness of IFRS-compliant accounting numbers from a theoretical standpoint has also been established. Furthermore, others such as Carmone and Trombetta (2018) and Barth and Schipper (2018) argued that the principles' orientation underpinning the conceptual framework of IFRS is likely to discourage fraud.

Conversely, opponents of global application of IFRS question the notion that uniformity of standards has significant impact on earnings quality, given that preparers' incentives remain predominantly divergent and largely out of IASB's control (Ball et al, 2013). Others (Van der Meulen et al. 2017; Taylor, 2019; Soderstrom & Sun, 2017; JeanJean & Stolowy, 2018) provide empirical evidence to show that IFRS accounting numbers are not of higher quality than Domestic accounting standards in relation to improving earnings quality (Ahmed, Neel, & Wang, 2013). They hold the general view, that propagating an agenda for the adoption of IFRS globally in order to improve earnings quality may be misleading. Additional explanations for the inability of IFRS to improve earnings quality are built on the diversification of country-specific institutional factors which potentially affect enforcement of IFRS even if they were of higher quality. Under this line of argument, relevant research observes that the IASB would be unable

to influence institutional factors that strongly affect operational outcomes of firms within jurisdictions (Hung &Subramanyam,2017). The World Bank's (2015) review of government policies and institutions in Africa shows that half of the region's countries posted relatively weak governance quality. The fact that Nigeria is adopting IFRS under relatively weak governance quality makes Nigerian conglomerate firms a useful setting to test the effect of IFRS on earnings quality in such jurisdictions.

Conglomerate firms in Nigeria are involved in nearly every sector of the economy as well as every chain of production. For the Six listed conglomerates, their interests span the whole spectrum of the economy from manufacturing to automobile, real estate, hotel, general trade and merchandise, power, agriculture and services, among other sectors. Either within a conglomerate or the large sectorial group, an investor will find any sector he wishes to invest in; they all have nothing less than eight business lines that run through the entire sector of the economy (Taofik Salako, 2013).

The general consensus in prior research is that accounting earnings are a premier source of firm-specific information, which shows that investors rely on earnings more than on any other summary measure of performance. Given that conglomerate firms engage in series of unrelated business activities make them to be prone to financial and business risk which continues to erode their earnings. Thus, earnings quality of conglomerate firms becomes paramount because of its continued improved contribution to economic growth. It has also been found that Nigeria has enormous prospects for investment and growth with rich deposits of natural and human resources, which will potentially attract the interest of international investors, particularly at this era of "Change and diversification", economic recovery and growth plan faced by the country.

Expectedly, financial reporting quality of Nigerian firms has become an issue of interest to the international investing community.

1.2 Statement of the Problem

Earnings could be used to tell the truth and in cheating or misleading. The difference between true earnings and reported earnings impacts on earnings quality, which is described by the capital markets as a summary indicator of financial reporting quality (Francis, Olsson & Schipper 2018). Corporate scandals like Enron, WorldCom, Parmalat and, more specifically, Afribank Nigeria PLC, Cadbury Nigeria PLC and other corporate fraud in Nigeria have continued to raise questions about earnings quality in Nigeria and the world at large.

As the debate on the impact of global IFRS adoption continues, little is known about the outcome in Nigeria despite IFRS adoption, creating a gap. Studies (See Ashbaugh & Pincus, 2010; Ball et al. 2013; Leuz et al. 2013; Tendeloo & Vanstraelen, 2015; Daske, 2016; Bartov, 2015; Ball, 2016; Callao et al. 2017; Hung & Subramanyam, 2017; Van der Meulen et al. 2017; Soderstrom & Sun, 2017; JeanJean & Stolowy, 2018; Barth et al. 2018; Chen et al. 2010; Devalle et al, 2010; Agostino et al, 2011; Christensen et al. 2015;) have continued to submit empirical evidence supporting and refuting the capability of IFRS to enhance earnings quality. However, until date, a consensus is yet to be reached on the efficacy of mandatory IFRS adoption impact on earnings quality in developing countries. This realisation suggests that the debate remains unsettled, and there is a need for further empirical evidence on different jurisdictions to enrich the debate (Bruggemann et al. 2013). Specifically, current studies have not looked at Africa closely in this area of accounting research, even as African countries have adopted the IFRS and set timelines for mandatory adoption (PWC, 2014).

This study is apt given that most of the studies mentioned above were carried out in developed countries and to the best of our knowledge there exist scanty empirical works carried out on IFRS adoption and Quality of accounting information in Nigeria. Very few studies in this area in Africa include the study of Elbannan (2010) from Egypt, Outa (2011) from Kenya, Ames (2013), Yeboah and Yeboah (2015) both from South Africa and Lorcher (2015) from Nigeria. Other Nigerian studies have focused mainly on value relevance attributes of earnings quality and banking sector as domain (See for example, Tanko, 2012; Akindele, 2012; Akpaka, 2014; Sanni et al 2014; Madawaki 2014; Adaramola & Oyerinde, 2014; Abdul-Bakki et al., 2014; Adebimpe & Ekwere, 2015; Yahaya et al., 2015; Abata, 2015; Hassan, 2015; Umoren & Enang, 2015; Adereti & Sanni, 2016; Ogenjuwa, 2016; Olugbenga, 2016; Nnadi & Nwobu, 2016; Agir, 2017; Uwuibge et al, 2017;) ignoring other metrics of accounting quality and other sector.

The only study that covered several earnings quality measures is the study by Lorcher (2015) focusing exclusively on eight countries in Africa. The study also incorporated 53 firms in Nigeria to test the impact of mandatory IFRS adoption on earnings quality. However, the findings could not be relied upon in this domain, given that Nigeria adopted IFRS in 2012 and the study only covers 2003-2020, unlike South Africa, Kenya and Egypt that adopted IFRS between 1997 and 2015.

Accounting studies worldwide in line with signaling and prospect theories proposition, have found the variable earnings management towards small positive target (SPEAR) very important measure of earnings quality, because managers intend to signal higher quality accounting and investor react negatively to small losses therefore managers act to avoid negative reaction from investors by manipulating earnings upwards to avoid small losses and maintain

investors" confidence. However, to the best of our knowledge; no empirical studies on earnings quality and IFRS in Nigeria used this earnings management measure.

Therefore, from the foregoing, it can be acknowledged that while studies have focused on examining IFRS adoption and the implications on earnings quality in other countries, little is known in Nigeria. This research gap exists even though Nigeria has already mandatorily adopted the IFRS.

1.3 Research Questions

The study is guided by the following questions:

- i. How does IFRS adoption affect earnings persistence in the listed conglomerate firms in Nigeria?
- ii. What is the effect of IFRS adoption on earnings predictability of listed conglomerate firms in Nigeria?
- iii. To what extent does IFRS adoption affect earnings management towards small profits of listed conglomerate firms in Nigeria?

1.4 Objectives of the Study

The broad objective of this study is to determine whether IFRS adoption leads to higher quality accounting numbers following the switch from NGAAP to IFRS regulation in Nigeria conglomerates firms. The specific objectives are to:

- i. Examine the effect of IFRS adoption on earnings persistence in the listed conglomerate firms in Nigeria.

- ii. Investigate the effect of IFRS adoption on earnings predictability of listed conglomerate firms in Nigeria.
- iii. Assess the effect of IFRS adoption on earnings management towards small profits of listed conglomerate firms in Nigeria.

1.5 Statement of Research Hypotheses

In line with the objectives, the following null hypotheses were formulated and tested:

- H0₁:** IFRS adoption has no significant effect on earnings persistence of listed conglomerate firms in Nigeria.
- H0₂:** IFRS adoption has no significant effect on earnings predictability of listed conglomerates firms in Nigeria.
- H0₃:** IFRS adoption has no significant effect on earnings managements towards small profits of listed conglomerate firms in Nigeria.

1.6 Scope of the Study

The study focused on all conglomerate firms listed on the Nigerian Stock Exchange (NSE) as at 31st December, 2020. The research seeks to determine whether adoption of IFRS has a significant effect on the quality of earnings of Conglomerates firms in Nigerian by examining differences in earnings quality between mandatory IFRS and NGAAP reporting years. The research covered Nine (9) years period from 2003-2012 pre IFRS and 2012-2020 post IFRS regulation). This has been a period where several economic policies and regulations were made in Nigeria. It is also within this period that the world experienced another fold of global economic crisis and recession which exact significant pressure on the earnings of many

conglomerate firms in Nigeria. The independent variable for the study is IFRS Adoption while the dependent variable is Earnings Quality represented by Earnings Persistence, Earnings Predictability (Cash flows Predictability) and Earnings Management toward small profits (SPEAR).

1.7 Significance of the Study

The result of this study would be of immense benefits. Investors will find this study of particular interest to discover whether IFRS regulation grants a better performance measurement quality than local GAAP, they are also interested in present and expected future earnings as well as stability of these earnings. Investors can rely on the information drawn from this research to assess the possibility of how earnings quality variables herein studied may have marred the reliability of reported earnings.

Additionally, it provides policy makers with empirical answers which may support future decisions regarding financial statement reforms. More specifically, this empirical evidence would be of interest to the standard setters in complying fully with IFRS requirements.

This study would contribute to a better understanding of the role of accounting standards in financial reporting quality, which enable managers of listed conglomerates and other firms, knows how IFRS norms affect earnings and aid them in their financial control, planning and decision making. Lastly, this study contributes to the growing literature by providing another framework that analyzes the impact of IFRS adoption on earnings quality in Nigeria.

CHAPTER TWO

LITERATURE REVIEW

2.1 Introduction

This chapter focuses on conceptual issues and undertakes review of empirical studies related to the research. The chapter further reviewed the concept of earnings quality, IFRS, Nigeria and IFRS Adoption, and the earnings quality. Also, the chapter discusses the theoretical framework that underpins the study.

2.2 The Concept of Earnings Quality

Earnings are the amount of profit that a company produces during a specific period, usually a year. Earnings are studied because they represent a direct link to company performance. There are various views for the term earnings by many scholars. Dechow (2014) define earnings as the summary measure of a firm's performance over a particular period which a range of users rely on to make economic decisions. Some uses of earnings are in: executive compensation contracts, debt covenants; initial public offerings; stock market investment and many other investment decisions (Schipper & Vincent, 2013). The theoretical underpinning that profits (earnings) facilitate accumulation of wealth and fortify the entrepreneur's commercial empire could be linked to the theory of firm growth, which closely associates profits to firm growth (Penrose, 1995). In general, the importance of profits to the volume of wealth of the entrepreneur lends credence to expectations of profitable business operations. This insight also justifies the various contract arrangements that the owners explore, to align management's interest with theirs, given that the payoff is the owner's ultimate interest (Scott, 2019). In addition to manager compensation, contracts could relate among others, to debt agreements, and accounting is an integral part of these contracts (Watts & Zimmerman, 1986). The Positive

accounting theory explains the importance of earnings quality and factors that determine manager choices.

Because earnings are generated from the financial reporting process and are based on applicable standards, standard setters view earnings quality as an indirect indicator of the quality of financial reporting and financial reporting standards (Elias, 2012). The conceptual framework for IFRS is developed to enhance credible financial statements that produce useful information for economic decisions. The framework promotes the general notion that this singular financial statements metric is the most popular information item among users (IASB, 2019). Schipper and Vincent (2013) discuss the need for high quality earnings for effective decision-making, concluding that contractual decisions, based on substandard earnings quality, induce inappropriate wealth transfers. Managers who overstate earnings present unreliable performance information to owners and other market users, who unknowingly over compensate them and/or overprice the firm's shares.

Sloan (1996), as cited in Lorchir (2015) document that managers manipulate earnings figures and succeed in misleading the capital market; with the latter overestimating the persistence of accrual components of earnings and overpricing the prospects of the firm (Collins and Hribar, 2000). The idea is that if capital markets are building pricing decisions on misleading earnings figures, it is unlikely that investors would formulate optimal forecast models. The consequence of using unreliable information would include the misapplication of investment resources between investment projects (Schipper & Vincent, 2013).

In the word of Schipper and Vincent, (2013) earnings quality is the degree to which reported earnings of entity truly reflect the Hicksian income. The quality of earnings is therefore determined by how close it is to the Hicksian income. Although, there is no single definition of

earnings quality from a broader perspective, it is a multidimensional concept. However, a consensus largely exists on the characteristics of high-quality earnings, under the decision usefulness hypothesis (Schipper & Vincent, 2013). In this regard, accountants identify investors as major users of accounting information. The underlying notion is that while users generally view fraudulent reporting as low quality, conclusions on high earnings quality must be linked to the relevant decision (Dechow et al. 2010).

Dechow and Schrand's (2014) define earnings to be of high quality when the earnings number accurately annuitizes the intrinsic value of the firm. Their definition of earnings quality, adopts the financial analysts' perspective, and views higher earnings quality as that which is more predictable, easier to forecast and maps better into intrinsic value. This definition is built on the objectives of financial analysts, which is to forecast earnings and make stock recommendations. Similarly, Penman and Zhang (2012) define high-quality earnings as "reported earnings before extraordinary items that are a good indicator of future earnings" (p.237). They argue that high-quality earnings must be sustainable rather than predictable, such that they should be highly persistent, less transitory and less volatile. Persistent earnings are observed through the positive association between current and future earnings. Also, Penman (2010) defines persistent earnings as earnings that are indicative of a firm's long-run earnings ability. Earnings persistence as an attribute of high earnings quality is explained by the Clean Surplus Theory (CST). CST shows that market value is a function of fundamental financial statements components, assuming ideal conditions in the capital market (Scott, 2019). Under the predictions of the CST, the more persistent current earnings are, the greater the impact of accounting earnings on firm value. The justification of CST is anchored on the understanding that persistent earnings increase the earnings response coefficient (Scott, 2019). Persistence of

earnings is a useful concept in analysing earnings quality from the perspective of firm valuation and may be largely influenced by accounting policies built on accounting standards.

Measurement of Earnings Quality

Literature has put forward several earnings quality approaches and models. Here, we discuss the models that are most related to this study specifically, studies that have empirically assessed earnings persistence, earnings predictability (association of current earnings and future cash-flow) and the prevalence of earnings management towards small profits targets.

2.2.1 Earnings persistence

Investors are interested in knowing future value generation prospects of earnings because shareholders' investment grows through growth in residual income, which is dependent largely on the return on common equity (ROCE). Thus, from a valuation perspective, earnings information is deemed decision-useful by analysts if future prospects of the firm can be deduced from current earnings effectively (Penman, 2010). Persistence is measured by the association between current and future earnings in a regression of future earnings on current earnings (Sloan, 1996; Hanlon, 2015). A high correlation between future and current earnings (coefficient value closer to 1), is deemed to indicate higher quality earnings.

To measure earnings persistence, studies apply some approaches. One method is to regress future (current) earnings on current (past) earnings and observe the sign of the coefficient against the independent earnings variable (Dechow et al. 2010). A strong correlation between current (past) and future (current) earnings is usually desirable for positive earnings (Ewert & Wagenhofer, 2019; Dechow et al, 2010). Another method decomposes earnings into its profit and loss components (Atwood et al. 2011). This approach assumes that persistence may differ for gains and losses, because there is likelihood that earnings informativeness differs between profit

and losses. Hayn (1995) hypothesize and find consistent results that the informativeness of earnings, about earnings persistence differs between losses and profits. The study demonstrates that stock price movements are more strongly correlated with current period earnings, when profits only are built into a returns-earnings model. Hayne (1995) also find that inclusion of only losses in the model does not show any significant correlation between the earnings variable and contemporaneous price movements.

From the literature arguments, it follows logically that the inclusion of earnings without separation into its loss and profit components in a returns-earnings model weakens the returns-earnings relationship. However, Collins et al. (2019) describe the negative correlation between losses and stock returns as „anomalous“ and argue that it arises as a result of misspecification of the original model, due to omission of a correlated variable, the book value of equity. Collins et al. (2019) maintain that book value of equity is an econometrically value relevant variable in its rights. They argue consistent with the theoretical prediction, that book value of equity is a proxy for expected future normal earnings (Ohlson, 1995); and adaptation or abandonment value (Burgstahler and Dichev, 1997). Abandonment value is related to a value obtained from liquidating the entity; while adaptation value relates to the firm’s net resources when applied in their “next best alternative use” (Lorchir, 2015). They further submit that omitting book value of equity in the earnings- price or returns model will induce a negative bias in the coefficient on earnings for loss firms, and positive bias for-profit firms.

Atwood (2011) extends this argument regarding the dissimilar in informativeness about future prospects of earnings between losses and profits to their earnings persistence model. Consequently, they include both negative and profit earnings to observe any divergent association between these earnings components and future earnings under different accounting standards. In this study, however, lack of sufficient data for both negative and positive earnings

does not permit a separation of earnings into its loss and profit components. This study will therefore adopt the (Dechow et al 2010; Lorchir, 2015).

2.2.2 Earnings Predictability

Atwood et al, (2011) define earnings predictability as the ability of past earnings to forecast future cashflow, that is, the more useful current earnings are in predicting future cashflow, the higher the quality. The association of current earnings with future cash flows has been used in the literature as an indicator of earnings predictability and quality (Lorchir, 2015 & Atwood et al. 2011). The role of earnings to reflect cash flow forecasts is assumed to induce a strong association between current earnings and future cash flows (Dechow et al. 1998). Consistent with this expectation, users analyse earnings information to enable them assess the cash generating ability of firms and future prospects, and standard setters are aware of this information demand (Atwood et al. 2011). The IASB acknowledges this expectation and states in the conceptual framework for the IFRS:

“Information about cash flows of an entity is useful in providing users of financial statements with a basis to assess the ability of the entity to generate cash and cash equivalents....The decisions that are taken by users require an evaluation of the ability of an entity to generate cash and cash equivalents and the timing and certainty of their generation” (IASB, 2019).

Thus, to the extent that earnings incorporate information about future cash flows as noted in literature, where accruals function to adjust transitory changes in operating cash flows (Ball & Shivakumar, 2016), a strong association between current earnings and future cash flows is expected to indicate that earnings are of high quality. This method of assessing earnings quality is closely related to the persistence model with the only noticeable difference being that the dependent variable is cash flows from operating activities. Lorchir(2015) use this earnings quality test to examine the difference in earning quality measured under the IFRS and DAS. This

current study will also use this earnings quality measure in addition to others to test earnings quality differences between IFRS and NGAAP. As in the earnings persistence model, the study builds on the assumption that earnings association with future operating cash flows is higher under IFRS. To establish the predictability of cash flows from past period earnings empirically, the study uses a version of the model in Atwood et al. (2011). Earnings quality is established in the stronger association between lagged earnings and current operating cash flows as measured.

2.2.3 Earnings Management towards Small Profits Targets

Lang et al. (2013) document that managers engage in earnings management to avoid small losses and achieve small positive profits. Kahneman and Tversky (1979) explain the human choice process and preference for small gains rather than losses with the prospect theory. The prospects theory posits that the rate at which investor utility decreases for small losses is greater than the rate at which it increases for small gains. In other words, losing a resource already owned creates a larger utility loss (convex curve) than the utility one may gain (concave curve) by acquiring a resource of similar value, suggesting loss aversion (Scott, 2019). In general, people dislike bad news, and may react more harshly to the realisation of an adverse market result than they would to good news, even when the loss is small (Lorchir, 2015).

Consistent with the predictions of prospect theory which suggests that investors are likely to react negatively to small losses. Thus, managers act to avoid the negative reaction from investors, by manipulating earnings upwards to avoid small losses and win or maintain investor confidence (Scott, 2019). Also, to prevent negative reaction from investors, managers may target to meet or beat external earnings forecast by analysts. For example, managers could reclassify items in the income statement; repurchase stock and sell fixed assets or marketable securities (Herrmann et al, 2013).

Besides the predictions of prospect theory, debt-contracting covenants may prescribe sanctions for losses and managers in an attempt to avoid violation would be motivated to manage earnings upwards and avoid losses (Burgstahler & Dichev, 1997). Managers aim to avoid these consequences when possible and may opt for managing earnings to achieve the small profits target, avoid small losses, and evade these implications (Scott, 2019). While managers have incentives to avoid losses and manage earnings towards positive gains, their reporting discretion latitude is limited to manipulating towards avoiding small losses and achieving small profits. In presenting this notion, Scott, (2019) argue that as losses increase, it becomes harder to manage earnings hugely and avoid large losses. By the underlying objectives of financial reporting however, manipulating earnings aggressively to achieve the targeted results reduces the quality of earnings information, irrespective of the reasons for managers' abhorrence for small losses and targeting of small gains. Based on the arguments these are some of the measurement approaches. Most predominantly, the model in Healy (1985) and Burgstahler and Dichev (1997) where they identify a "kink" in the shape of earnings distribution at the adjacent intervals around zero, revealing an unusually high (low) number of observations immediately to the right (left) of zero. They interpret the shape of the distribution as an indication of earnings management towards achieving small profits and avoiding small losses (Lorchir, 2015).

Secondly, Burgstahler and Dichev (1997) use a non-parametric test in their study in the U.S. They employ a broad cross-section of U.S. firm-year observations (64,466) from 1976 to 1994 to provide empirical evidence that earnings decreases are frequently managed. They document an unusually low frequency of reported small decreases in earnings and small losses but the relatively high frequency of small increases in earnings and small positive earnings.

Durtschi and Easton (2015) however contend the research conclusion, which attributes the kink around zero wholly to earnings management and introduce the scaling factor. Similarly,

Beaver et al. (2017) note that the perception of small profit target or small loss avoidance as a proxy for earnings management may not be necessarily correct. They argue that the earnings „kink“ around zero could be explained by differences in taxes and not necessarily managerial opportunism. These conclusions are consistent with Dechow et al. (2012) who show that discretionary accruals of small profit firms and small loss firms are not significantly different, suggesting that the kink is not exclusively indicative of earnings management. Lorchir (2015) studies present an alternative perspective on the irregularity of earnings distribution around the zero regions, but does not exclude the possibility of accruals manipulation to achieve small profits and avoid small losses. Despite the contrary research opinion regarding the explanation of earnings distribution kink however, studies continue to apply the measure (Barth et al, 2018). This study corroborates the findings in Burgstahler and Dichev (1997), by explaining the discontinuities around the zero regions on earnings management; in addition to the preceding approaches to establishing earnings management towards small targets. For the purpose of this study, the model by Healy (1985) and Burgstahler and Dichev (1997) as adopted by Lorchir (2015) will be used in estimating earnings management. The basic linear probability model (LPM) for assessing earnings management towards small profits (Lorchir, 2015; Lang et al. 2013; Barth et al. 2018; Chen et al. 2010) is presented below:

$$SPEAR_{it} = \delta_0 + \delta_1 EVAR_{it} + \sum \delta_k CONTROLS_{it} + \varepsilon_{it}$$

2.3 Review of Empirical Studies

This section provides a critical review of related studies conducted on the relationship and effect of IFRS adoption on earnings quality.

2.3.1 IFRS Adoption and Earnings Persistence

Van der Meulen et al. (2017) in their study, compare the quality of US-GAAP and IFRS using a sample consisting of German new market firms for the period between 1997 through 2019. They find that the quality of US-GAAP prepared financial statements and IFRS information is overall very comparable, based on several earning quality attributes such as accrual quality, value relevance, persistency and timeliness. They found US-GAAP to be significantly more persistent than IFRS. Their results had a serious influence on research in this area most especially for United States that is yet to adopt IFRS, but conclusion from the study may not apply to Nigeria because of differences in institutional structure and legal system.

In a similar study, Sun et al. (2011) examine the impact of IFRS implementation on earnings' quality of firms cross-listed in the United States that are domiciled in countries that have adopted IFRS on a mandatory basis. They find no difference in the change in earnings' quality from the pre- to post-IFRS period for the cross-listed firms and the matched United State firms in terms of discretionary accruals and timely loss recognition. Furthermore, they get evidence of improved earnings' quality for the cross-listed firms based on small positive earnings and earnings persistence. Their study further the study of Beijerink (2018) but suffers similar limitation

In a similar multi-country study, Atwood et al (2011) use data from 33 countries covering 2012 through 2017 to test whether earnings under IFRS are more persistent and have higher association with future cash flows above other national GAAP earnings. They provide evidence that persistence of positive earnings is not significantly different between IFRS and US-GAAP, but IFRS losses are less persistent than US-GAAP losses. Also, they find that future cash flows association with current earnings is stronger under US-GAAP relative to IFRS, and that IFRS earnings exhibit no significant differences from other national GAAP across the relevant measures. The major strength of this study is the larger sample size and period but conclusion

from the study may not apply to Nigeria.

In the same vein, Jaweher and Mounira (2014) examined the impact and consequences of mandatory IFRS adoption on earnings quality, focusing on value relevance, predictability, persistence, timeliness, timely loss recognition, smoothing, earnings toward target and accruals quality for listed companies in 17 countries from Australia and Europe. Covering 1,901 firms from 2010 to 2010, it found a mixed evidence of an increase in earnings quality; it got evidence supporting that „ceteris paribus“, the mandatory IAS/IFRS adoption improves the predictability of cash flows and future earnings, the persistence and the timeliness. As well, the results suggested that net income is less manipulated toward target and less smoothing under IAS/IFRS regulation. Nevertheless, it also found that net income is better associated with the market value of equity under local GAAP regulation and evidence from the pre-IFRS and post-IFRS periods suggest that IFRS earnings are not more conservative than earnings based on local GAAP regulation.

2.3.2 IFRS Adoption and Earnings Predictability

Van der Meulen et al. (2016) in their study using data from 128 different companies sample consisting of 321 firm year observations and covering the period 2000-2013, the study documents that US GAAP and IFRS earnings perform equally well on value relevance, timeliness and accruals quality but with regard to predictive ability the results revealed US GAAP superiority i.e. US GAAP earnings are typically better indicators of future firm performance. Just as the previous U.S studies the findings are mixed for different earnings attributes and its conclusion may not be applicable to developing countries especially for Nigerian firms.

Akindele (2012) in his study, focused on the implementation of IFRS by reporting entities in Nigeria, examining the impact of adoption on the quality of financial reports,

operational costs, and operational efficiencies of management. Data from 520 respondents analysed using logistic regression reveal an improvement in the quality of financial reporting and managerial efficiency and that the cost and benefit of implementing IFRS had no significant relationship with managerial efficiency. Just like other perception studies, findings from the study cannot be free from bias and the total of 46 questionnaires on which the study generalised was too small another major setback of the study was that it adopted a documentary review of financial statements.

In the same vein, Jaweher and Mounira (2014) examined the impact and consequences of mandatory IFRS adoption on earnings quality, focusing on value relevance, predictability, persistence, timeliness, timely loss recognition, smoothing, earnings toward target and accruals quality for listed companies in 17 countries from Australia and Europe. Covering 1,901 firms from 2010 to 2010, it found a mixed evidence of an increase in earnings quality; it got evidence supporting that „ceteris paribus“, the mandatory IAS/IFRS adoption improves the predictability of cash flows and future earnings, the persistence and the timeliness. As well, the results suggested that net income is less manipulated toward target and less smoothing under IAS/IFRS regulation. Nevertheless, it also found that net income is better associated with the market value of equity under local GAAP regulation and evidence from the pre-IFRS and post-IFRS periods suggest that IFRS earnings are not more conservative than earnings based on local GAAP regulation. The major strength of the study is the large sample comprising many countries in Europe and Australia and as such the results could applied to developing nations in Africa.

2.3.3 IFRS Adoption and Earnings Management t

Hope et al (2016) build their argument on the bonding theory of Coffee (2012) which predicts that countries more likely to receive benefits from a high-quality set of accounting

standards are more likely to adopt IFRS. Their argument is that both countries and firms benefit from bonding to IFRS, but the costs of compliance with IFRS lie with the firm. This argument is similar to Tarca (2014) who used Spencer's (1973) signalling theory, to explain why firms are likely to improve financial reporting quality with adoption of high-quality accounting standards. Houque et al. (2012) submit evidence that earnings quality increases only for countries that mandate IFRS reporting under strong investor protection. Contrarily, Houque et al. (2014) using data from 2013 to 2011 conclude that the impact of IFRS on information quality is rather higher in countries with low investor protection. Several studies argued that manager incentives and investor's protection strength dominate the determination of earnings quality and not accounting standards. Landsman et al. (2012) similarly find an increase in information quality in 16 countries during mandatory IFRS adoption, but with a stronger effect in countries with strong legal enforcement. Ahmed et al. (2013) instead submit that earnings quality does not increase after mandatory IFRS adoption even in countries with strong investor protection, using data from 20 countries.

Christensen et al. (2019) noted that the IFRS adoption may not improve the earnings quality. The authors concluded that the mandatory IFRS adoption does not benefit all firms in a uniform way but results in relative winners and losers. IFRS which has been regarded as a principle-based reporting standard are not sufficient condition to reduce the level of earnings manipulation. The adoption of IFRS gives manager more and less opportunity to manipulate earnings and this is evidenced through the application of fair value principle that is based on the estimation made by managers who can use their discretion to opportunistically manipulate earnings to suit their desires.

In a related study, Chua et al. (2012) study earnings quality in Australia using data from 2010 to 2018 during the pre and post mandatory IFRS adoption in Australia. They find evidence

that in the post-IFRS adoption period, earnings management reduced, timely loss recognition improved along with value relevance of earnings, but target beating increased. Similarly, Barth et al. (2018) employed data from 21 countries covering 1994 to 2013 and compared earnings quality between voluntary adopting IAS firms and non-IAS firms. They find reduced earnings smoothing, and target beating along with increased timely loss recognition and value relevance in the IAS relative to the non-IAS sample. The findings from this study can hardly be generalized to other domain most especially developing nations, because of difference in governance mechanism and regulatory framework.

Using Nigerian Data, Tanko (2012) investigated the effect of IFRS adoption on the performance of some selected Nigerian banks that are quoted on the Nigerian stock market. He defines the change in performance based on two parameters. First, change in Accounting Quality of the firms, for which he used such variables as; earnings management, and timely loss recognition. Secondly it measure the performance of the firms based on changes on identified financial ratios of the firms. Using logit regression and t-test, he finds that there was low variability in earnings in the post adoption period; also, it finds LNEG to be positive which signifies that IFRS firms recognize losses more frequently in the post adoption period than they do in the pre adoption period, and therefore recommends that comprehensive implementation of the standard to its totality by firms should be encouraged and regulatory authorities such as the Securities and Exchange Commission, and external auditors should monitor strict compliance with the adoption and provisions of the standards. The major limitation of the study was in the sample period (2017-2010), the study ends in 2010. Thus, it was difficult to conclude on the result obtained by this study.

2.4 Theoretical Framework

This section discusses three theories related to the study and how it underpins the present study. These are signaling, stewardship and prospect theories each of which is discussed hereunder:

2.7.1. Signalling Theory

Signaling theory posits that firms with good performance tend to make voluntary disclosures more readily, as doing so is regarded as an easy means of distinguishing themselves from others in the market place. Hence, its conjecture that voluntary disclosure is positively related to firm performance (earnings) and quality. Lang and Lundholm (1993) provide empirical support for this supposition. It was developed by Micheal Spence in 1973. The theory is fundamentally concerned with minimising information asymmetry between parties with an interest and may occur at different levels. Spence (2012) explains the notion behind signalling theory with the analogy of the job market illustrating how high-quality potential employees provide a signal to employers. Such employees reportedly acquire higher education and communicate full information about them to target employers.

From the perspective of accounting information, countries that are enthusiastic to communicate their commitment to improving accounting quality, may mandatorily adopt the IFRS. The primary reason identified is that such countries hope to attract favorable attention from cross border investors; thus, adopting the IFRS which are considered globally to be higher quality accounting standards. Subsequently, countries mandatorily adopting the IFRS may set up special regulatory institutions whose responsibilities would include monitoring strictly and ensuring compliance with the IFRS by companies required to comply. For example, ahead of the mandatory IFRS adoption in Nigeria, the Financial Reporting Council (FRC) was established by the Financial Reporting Council of Nigeria Act, No. 6, 2011. The primary responsibility of the

Council was to promote and ensure high-quality financial reporting for fostering investment among other reasons. Thus, countries that are motivated to attract and protect investments particularly foreign direct investments (FDI), may adopt IFRS mandatorily, and make effort through asymmetric regulation to ensure compliance with the IFRS as a signal of higher quality accounting to investors.

CHAPTER THREE RESEARCH METHODOLOGY

3.1 Introduction

This chapter discusses the methodology of this study. Specifically, the chapter presents the research design of the study, population, methods of data collection. It also presents the techniques of data analysis employed. It provides a description of the study variables and their measurements and specifies the model used in the study.

3.2 Research Design

The study employs correlational and ex-post facto research design in examining IFRS adoption and quality of financial information of listed conglomerates in Nigeria. The choice of this design is predicated upon the fact that it is the most suitable for this type of research and it's structured to help us understand our research problem and solved them. A correlational design is used to examine the statistical relationship between or amongst two or more variables and making prediction regarding the expected relationship. While the Ex-post factor Design help to investigate possible cause and effect relationship by first identifying some existing consequence and searching back by analyzing causal factors. The design was informed by the positivist research paradigm, which uses quantitative and deductive frameworks to test hypotheses. Given that this study aims to examine the effects of IFRS adoption on earnings quality of listed conglomerate firms in Nigeria, correlational design was deemed appropriate.

3.3 Population and Sample of the Study

The population of the study consists of all the 6 (six) conglomerate firms listed on the Nigerian Stock Exchange as at 31st December, 2020. The data covered a period of ten years

2012-2020. The study adopts census approach that is using the entire elements of the population.

The conglomerate firms that form the study population and sample are presented below:

Table 3.1: Population and Sample of the Study

S/NO	FIRM NAME	Year of Listing
1	A.G Leventis Nig. Plc	1978
2	Chellarams Plc	1977
3	John Holt Plc	1974
4	UAC of Nigeria Plc	1974
5	SCOA Nig. Plc	1977
6	Transnational Corporation of Nig. Plc	2016

Source: Compiled by Author, 2022.

3.4 Source and Method of Data Collection

The study used secondary source of data collection. The use of secondary data is considered appropriate because it makes available all the data needed for this type of research and are most suitable for empirical finding on IFRS and earnings quality. Historical data of earnings were collected from published annual report and accounts of the firms for the period of the study.

3.5 Techniques of Data Analysis

The techniques of analysis used include the descriptive statistic and the correlation matrix. The descriptive statistics include the mean, standard deviation, maximum and minimum. The Pearson correlation was also used to show the relationship among all the study variables, which is between IFRS Adoption and earnings quality and among its components.

Other technique of data analysis employed by the study is panel regression analysis. Ordinary least square technique was employed to analyse the data based on fixed effect model and random effect model. Various robustness tests were conducted ranging from multi-collinearity test, normality test, heteroscedasticity test, Hausman test, this helps to determine the choice between fixed and random effect regressions. The justification for using panel regression

is based on the fact that the study involves the use of both time series and cross sectional data and it is adjudged to be more informative. For the model (SPEAR) with a binary variable as the dependent variable, the linear probability model (LPM) is applied. LPM specifies the conditional expectation of the dependent variable given that a particular condition exists (Gujarati, 2012).

3.6 Model Specification and Variable Measurement

This section present the measures in which the study variables were measured as well as the justification for the measurement.

3.6.1 Earnings Persistence under IFRS and NGAAP.

Following Barth et al (2018); Dechow et al (2010); Atwood et al (2011); and Lorcher (2015), earnings persistence is define as the ability of earnings to predict future earnings i.e. to regress future (current) earnings on current (past) earnings and observe the sign of the coefficient against the independent earnings variable. Mathematically expressed as follows:

$$EARN_{it+1} = \beta_1 EARN_{it} + \epsilon_{it} \quad (i)$$

Where, *EARN* is net income before extraordinary items consistent with prior studies (Atwood et al, 2011), scaled by total assets, consistent with Barth et al (2018); *IFRS* is an indicator variable assigned the value of 1 for all firms-year observations reported under IFRS and zero otherwise; the subscripts *i*, *t* and *t+1* represent firm, current year and subsequent year respectively.

Incorporating the effect of IFRS adoption and control variable, the model is restated as:

$$EARN_{it+1} = \beta_0 + \beta_1 EARN_{it} + \beta_2 IFRS_{it} + \beta_3 IFRS_{it} \times EARN_{it} + \beta_4 SIZE_{it} + \epsilon_{it} \quad (ii)$$

In line with prior studies (Atwood et al, 2011; and Lorchir, 2015), earnings persistence was measured as beta coefficient of the regression equation from model I, which is obtained by taking the coefficient of c.

The model for testing the research hypothesis (H1) is as follows:

$$\mathbf{EPers}_{it} = \beta_0 + \beta_1 \mathbf{EARN}_{it} + \beta_2 \mathbf{IFRS}_{it} + \beta_3 \mathbf{IFRS}_{it} \times \mathbf{EARN}_{it} + \beta_4 \mathbf{SIZE}_{it} + \varepsilon_{it} \quad (\text{iii})$$

The coefficient of interest which generates evidence to test H1 in the equation is β_3 which shows the differential persistence of current earnings into next period earnings under IFRS. Thus, a β_1 that is significantly different from zero, and β_3 that is also significantly different from zero, confirm the alternative hypothesis that earnings quality may differs between NGAAP (β_1) and IFRS (β_3) reporting years. Also, **SIZE** is the control variable represented by Firm size and is calculated as the natural logarithm Scaled by total asset at year end.

3.6.2 Earnings Predictability under IFRS and NGAAP.

Following Sloan (2019); Barth et al (2018); Atwood et al (2011); Chua et al. (2012); and Lorchir (2015), the association of current earnings with future cash flows has also been used in the literature as an indicator of earnings predictability and quality. Here, ability of earnings to predict future operating cash flows is seen as a strong association between current earnings and future cash flows which is expected to indicate that earnings are of high quality. Statistically:

$$\mathbf{CFO}_{it+1} = \gamma_0 + \gamma_1 \mathbf{EARN}_{it} + \varepsilon_{it} \quad (\text{iv})$$

Where **CFO** is cash flows from operating activities scaled by total assets, consistent with prior studies (Barth et al., 2018; Chua et al., 2012). Other variables are as defined in equation above.

Incorporating the effect of IFRS adoption and control variable, the model is restated as:

$$CFO_{it+1} = \gamma_0 + \gamma_1 EARN_{it} + \gamma_2 IFRS_{it} + \gamma_3 IFRS_{it} * EARN_{it} + \gamma_4 SIZE_{it} + \epsilon_{it} \quad (v)$$

In line with prior studies (Atwood et al, 2011 and Lorchir, 2015), earnings predictability was measured as beta coefficient of the regression equation from model iv, which is obtained by taking the coefficient of the portion of current earnings that persist into the future cash flows.

To test hypothesis number two (H_2) the model is expressed as follows:

$$EPred_{it} = \beta_0 + \beta_1 EARN_{it} + \beta_2 IFRS_{it} + \beta_3 IFRS_{it} * EARN_{it} + \beta_4 SIZE_{it} + \epsilon_{it} \quad (vi)$$

The coefficient of interest which generates evidence to test H_2 is the incremental association under IFRS reporting (γ_3). Thus, an γ_1 that is significantly different from zero, and γ_3 that is also significantly different from zero, confirm the alternative hypothesis that earnings quality under this measure may differ between NGAAP (γ_1) and IFRS (γ_3) reporting years.

3.6.3 Earnings Management under IFRS and NGAAP.

Following Burgstahler and Dichev (1997); Lang et al (2013) and Lorchir (2015), earnings management is observed through earnings management with accruals to avoid losses and earnings decreases, that is the possibility of earnings manipulation to achieve small profits and avoid small losses. Mathematically expressed as follows:

$$SPEAR_{it} = \delta_0 + \delta_1 EVAR_{it} + \delta_2 CONTROLS_{it} + \epsilon_{it} \quad (vii)$$

Where $SPEAR$ is a dummy variable assigned the value of 1 if the value of net income before extraordinary items scaled by end of year total assets lies between 0 and 0.01 and zero otherwise. (Lang et al. 2013 and Lorchir, 2015).

Incorporating the effect of IFRS adoption and control variable, the model is restated as:

$$SPEAR_{it} = \delta_0 + \delta_1 IFRS_t + \delta_2 DISSUE_{it} + \delta_3 SIZE_{it} + \delta_4 GROWTH_{it} + \delta_5 CFO_{it} + \epsilon_{it} \quad (viii)$$

Where, $DISSUE_{it}$ represents debt issue calculated as percentage change in total liabilities; $GROWTH_{it}$ represents growth in revenue and is calculated as percentage change in revenues from time $t-1$ to time t . Other variables as defined above. In line with prior studies (Lang et al. 2013 and Lorchir, 2015), earnings management measured the possibility of earnings manipulation to achieve small profits and avoid small losses i.e. the prevalence of earnings management towards small positive profits during IFRS and NGAAP reporting periods.

The model for testing the research hypothesis (H3) is as follows:

$$EMSPEAR_{it} = \delta_0 + \delta_1 IFRS_t + \delta_2 DISSUE_{it} + \delta_3 SIZE_{it} + \delta_4 GROWTH_{it} + \delta_5 CFO_{it} + \epsilon_{it} \quad (ix)$$

The coefficient of interest, which generates evidence to test $H3$ is δ_1 , which indicates the decrease (increase) in the probability of managing earnings towards small profits when firms report under IFRS relative to NGAAP. Thus, a δ_1 that is statistically significantly different from zero confirms the alternative hypothesis that earnings management towards small profits may differ between the two reporting regimes.

Where:

EPers = Earnings Persistence

EPred = Earnings Predictability

EMSPEAR = Earnings Management (SPEAR = Small Positive Earnings)

$\beta_0, \gamma_0, \delta_0, 0$ = Intercepts or constant

$\beta_1 - \beta_4, \gamma_1 - \gamma_4, \delta_1 - \delta_5$ = Coefficients of the independent variables

ϵ_{it} = Standard error.

3.7 Variables Measurement

This study investigates the effect of IFRS adoption on earnings quality in the listed Conglomerates in Nigerian. The independent variable for the study is IFRS Adoption representing Accounting standards (1 if company adopt IFRS, 0 otherwise), while the dependent variables are Earnings Quality represented by Earnings Persistence, Earnings predictability and Earnings Management toward small profits. Firm Size, DISSUE and GROWTH were introduced as control variables. The measurement of these variables areas presented in table 3.2 below:

Table 3.2 Variables and their Measurement

Variable	Nature of variable	Proxy(ies)	Measurement	Source
Earnings Persistency	Dependent Variables	EPers	Measured as beta coefficient of the regression equation from model II, which is the portion of the current earnings that persist into the future earnings	Dechow et al, 2010
Earnings Predictability		EPred	Measured as beta coefficient of the regression equation from the model V, which is the portion of the current earnings that persist into the future cash-flow	Atwood et al, 2011.
Earnings Management towards small profits		EM-SPEAR	An indicator variable, assigned 1 for values of assets-scaled net profit before extraordinary items that lie between 0.00 to 0.01, and 0 otherwise. i.e. the possibility of earnings manipulation to achieve small profits and avoid small losses	Lorchir, 2015.
IFRS Adoption	Independent Variable	IFRS	Measured as dummy variable which is equal “1” if a firm uses IFRS between 2016 to 2016, and “0” otherwise.	Lorchir, 2015.
Firm Size	Control Variables	SIZE	Natural Logarithms of total assets at year end.	Lorchir, 2015.
Debt Issue		DISSUE	Previous year’s total liabilities minus current year’s divide by previous years.	Lorchir, 2015.
Growth in Revenue		GROWTH	Previous year’s sales Revenue minus current year’s divide by previous years.	Lorchir, 2015.
Cash Flow		CFO	Measured as Net Cash flow from Operating Activities scaled by total Assets	Atwood et al, 2011.
Interaction Effect		IFRS*EARN		

Source: Compiled by Author, 2022.

CHAPTER FOUR

DATA PRESENTATION, ANALYSIS AND INTERPRETATION

4.1 Introduction

This chapter deals with presentation, analysis and interpretation of the data used in this study. The descriptive statistics are presented using tables, showing number of observations, mean, standard deviation, minimum, maximum, skewness and kurtosis of the variables of the study. Correlation matrix as well as the robustness tests and regression results are also presented and discussed. The results of the study were interpreted and inferences were drawn. The study analysed data with the aid of Stata 15.

4.2 Descriptive Statistics

The descriptive statistics is presented in Table 4.1 which shows the mean, standard deviation, minimum, maximum, skewness and kurtosis of the data for the variables used in the study are described. This is done in order to have good understanding of the data and suggest the possible consequences of the nature of the data.

Table 4.1 Descriptive Statistics of the Variables

Variable	Obs	Mean	Std.Dev	Min	Max	Skewness	Kurtosis
EARN _t	60	0.038	0.072	-0.180	0.234	-0.379	4.642
EPerst	60	0.005	0.015	-0.031	0.027	-1.269	5.042
EPred	60	0.062	0.107	-0.165	0.527	1.803	9.103
EM-spear	60	0.850	0.360	0	1	-1.960	4.843
IFRS	60	0.550	0.502	0	1	-0.201	1.040
IFRS*EARN	60	0.006	0.048	-0.160	0.110	1.384	7.185
CFO _t	60	0.176	0.326	-0.597	1.408	0.899	6.931
SIZE	60	7.372	0.626	6.134	9.052	0.410	2.691
DISSUE	60	0.295	0.798	-0.844	4.745	3.945	20.863
GROWTH	60	0.209	0.833	-0.534	6.213	6.369	46.469

Source: STATA Output, 2022

Table 4.1 reveal the descriptive statistics for the variables of the study. The result shows that profit before tax and exceptional item (earnings) has an average value of 0.038 which indicates that the listed conglomerates firms in Nigeria have attained, on average, a profit of 4% over the period of the study. The minimum and maximum earnings of listed conglomerates firms in Nigeria are -0.18 and 0.23 respectively. This implies that the least profitable conglomerates firm incurred a loss of 18% for each single (₦ 1) naira invested in the asset of the firms. On the other hand, the most profitable conglomerate firm earned 23% profit before tax and exceptional item (earnings) for each naira invested in its asset.

Earnings Persistence (Epers) has a mean of 0.5% with minimum and maximum value of -3.1% and 2.7% respectively. This implies that conglomerates with earnings persistence below 0.5% will be seen as lowly persistent. The maximum value of 0.027 indicates that the most profitable conglomerates firms in Nigeria earned 2.7% in the subsequent year, which shows that the earnings is sustainable. The standard deviation of 0.015 implies that the deviation from the average earnings within the activities of listed conglomerates firms in Nigeria was 1.5%. Earnings Predictability (Epred) on the other hand averages 6.2% with a standard deviation of 10.7% indicating that there is wide dispersion on how current earnings predicts future cashflow of the firms. The maximum value of 53% within the firms attest to the fact that and also indicates that some of the firms are financially healthy given that they have consistently generated a positive cash-flow from operations year upon year which indicates that the firm's liquid assets are increasing, enabling it to settle debts, reinvest, pay dividend, pay expenses and save for the future and a sign that there is a strong association between future cash-flow and current earnings. Earnings management (EMspear) has a mean of 0.85 with a standard deviation of 0.360. This implies that most of the conglomerates firms practice earnings management to achieve

small positive earnings because most of the firms earnings are below the mean and it signifies understatement of their earnings. Also, about 55% of the conglomerates firms complied with IFRS regulation during the period under review. While IFRS earnings interaction (IFRS*EARN) show a mean of 0.006 with a standard deviation of 0.05. This variable has a minimum of 0 because its dichotomous variable effect on data and the mean difference of the interaction variable and its standard deviation suggests that the data are positively skewed.

For the control variables, the statistics further shows that cash flow from operation (CFOt) is 0.18 and the standard deviation is 0.33. The minimum and maximum values are -0.597 and 1.408 respectively. Corroborating our earlier assertion that some of the listed firms are financially healthier than others, this is confirmed by the wide dispersion between the minimum of -60% against 141% for the maximum. The table also shows that DISSUE representing debt issue, that is, change in total liabilities of listed conglomerates firms in Nigeria has a mean of 0.295. This implies that, on average, total liabilities of listed conglomerates firms in Nigeria increases by 30% with standard deviation of 0.798. This implies that the data is widely dispersed from the mean. The minimum and maximum value of -0.844 and 4.745 respectively also indicates that the minimum debt financing within the listed conglomerates in Nigeria is 84.4% with maximum of 342%. The relatively higher range between the minimum and maximum value thus confirm that some firms are doing far better than the others.

Growth in revenue of listed conglomerates firms in Nigeria has a minimum and maximum value of -0.534 and 6.213 respectively. This implies that the minimum negative growth in revenue within the listed conglomerates in Nigeria is 53.4% with a maximum of 621% positive. The relatively higher range between the minimum and maximum value implies that the most efficient conglomerates have a quite substantial revenue growth advantage compared to the

least efficient conglomerates firms. On the average, listed conglomerate firms in Nigeria witnessed growth rate of 21% with standard deviation of 83%. This implies that the data is widely dispersed from the mean. Overall, the skewness and kurtosis results indicate that the dataset is averagely normally distributed. Because, with the exception of DISSUE & GROWTH, all other variables for skewness and are close to zero which signifies that the dataset is well distributed also all the variables for kurtosis are moderately platykurtic.

4.3 Correlation Analysis

Pearson correlation computed shows the degree of relationship between the dependent variable and the independent variables of the study.

Table 4.2: Correlation Matrix of Dependent and Independent Variables

Variables	Earn	Epers	Emspear	IFRS	IFRS*Earn	CFO	Size	Disuse	Growth
Earn	1.000								
Epers	0.4011	1.000							
Epred	0.6250	0.1986	1.000						
Emspear	0.6042	0.2411	0.1655	1.000					
IFRS	-0.1724	-0.2499	-0.2475	0.0748	1.000				
IFRS*Earn	0.3033	0.6649	0.1684	0.1655	0.1195	1.000			
CFO	0.1628	0.2257	0.2460	0.2026	-0.1491	0.0316	1.000		
Size	-0.0261	0.1407	-0.1104	-0.1646	0.2626	0.3385	0.1030	1.000	
Disuse	-0.0924	-0.1037	0.0349	-0.1828	0.1111	-0.0119	0.0730	0.0428	1.000
Growth	-0.0758	-0.1245	0.1397	-0.2607	-0.1585	-0.0267	0.2840	0.1420	0.7320

Source: STATA Output, 2022.

Table 4.2 shows the result of the correlation matrix where the relationship between future earnings (**EPERS**) and current year earnings (**EARN_t**) are significantly and positively correlated at 1%. This shows that current earnings recur in future for listed conglomerates in Nigeria. In the same vein, there is positive association between **IFRS*EARN** and **EPERS** with a correlation coefficient of 0.6649. This demonstrates an interesting relationship between IFRS adoption and Earning Persistence that is for listed conglomerates in Nigeria current earnings recur in the future. Similarly, the relationship between **EPERS** and **SIZE** are significantly and positively correlated at 1%. This postulates that if Firm Size increases, earnings of listed conglomerates in Nigeria increases and recur. On the contrary, IFRS have an inverse relationship with earnings persistence showing that an increase in the variable, holding other factor constant, will lead to a fall in earnings persistence for the firms. The result also shows the correlation among the explanatory variable of the study reveals that there is significant and positive correlation between **IFRS*EARN** and **EARN_t**, **IFRS*EARN** and **SIZE**, **IFRS*EARN** and **IFRS**, **EARN_t** and **SIZE**, and also **IFRS** and **SIZE**. This means those large firms have more resources and earn higher profit. Also, it signifies positive, stable and sustainable earnings for large firms that adopt IFRS.

It can be seen from table 4.2 that none of the variables among the independent variables of the study that has correlation above 0.35. This implies that from the result that there was absence of high correlation among the independent variables of the study. The rule of thumb states that a correlation of 0.8 and above indicates a multicollinearity problem among variables under investigation (Pallant, 2010).

Furthermore, the table shows that there is positive relationship between **EPRED** and **EARN_t** from the correlation coefficient of 0.6250. The result suggests that sustainable earnings in the future will lead to an increase in future net cash-flow from operation of the firms. The

Table also shows that EPRED is inversely correlated with IFRS and SIZE but positively correlated with IFRS*EARN. This contradicts the belief that large firms have more earn higher profit, but suggest that current earnings of conglomerates firms in Nigeria has the ability to forecast future cash-flow for firms that adopt IFRS. The correlation coefficients among the independent variables do not exceed 0.35 which suggests the absence of multi-collinearity. It is however not safe to conclude that there is no multi-collinearity issue unless the variance inflation factor (VIF) and tolerance values confirm it.

Moreso, the table shows that there is positive relationship between EM-SPEAR, IFRS and CFOt from the correlation coefficient of 0.075, 0.203 respectively. The table also shows that EM-SPEAR is negatively correlated with DISSEE, GROWTH, and SIZE from the correlation coefficients of -0.1828, -0.1646 and -0.2607 respectively. Moreover, the correlation coefficients of the independent variables are mild as they do not exceed the threshold of 0.80 that suggests the existence of harmful multicollinearity among the independent variables.

4.4 Robustness tests

In order to improve the validity of all statistical inferences for this study, necessary tests were conducted which include; multicollinearity test, heterokedasticity test and Hausman test, Specification Error Test and Goodness of fit test.

4.4.1 Multicollinearity Test

This test was conducted to check whether there was a high correlation among the independent variables which may mislead the result of the study. In an attempt to prove and substantiate the absence of multicollinearity among the independent variables, the study conducted test using Variance Inflation Factor and Tolerance Value. Table 4.3below presents the results of the tests.

Table 4.3: Variance Inflation Factor and Tolerance value

Variable	VIF	VIF	VIF	1/VIF	1/VIF	1/VIF
IFRS	1.28	1.28	2.34	0.78	0.78	0.43
IFRS*EARN	1.21	1.21		0.82	0.82	
EARN	1.17	1.17		0.87	0.88	
SIZE	1.12	1.12	3.05	0.92	0.92	0.33
GROWTH			2.06			0.38
DISSUE			2.57			0.39
CFOt			1.50			0.67
Mean VIF	1.19	1.19	2.41			

Source: STATA Output, 2022

As observed from Table 4.3, the result reveals that the variables of the study do not pose any problem. This is evident from the values of VIF for all the models (1,2 and 3) being less than 10 and tolerance values being greater than 0.10 as a rule of thumb (Gujarati & Porter, 2019). This is in agreement with the assumption of classical regression model which states that there should not be multicollinearity problem among the independent variables included in the model.

4.4.2 Heteroskedasticity Test

Heteroskedasticity occurs in a situation where the error terms of the model have no constant variances. This problem needs to be addressed so that wrong estimations for the coefficients and sometimes making significant variables appear to be statistically insignificant will be avoided (Gujarati, 1988). In this study, Breusch-pagan/ cook-wersberg test for Heteroskedasticity was conducted for model 1&2 only and the result (see appendix) reveals that for model 1 the chi-square value of 2.13 (0.1447) which is not significant, and thus indicates the absence of heteroscedasticity. Whereas for model 2 the chi-square value of 5.11 (0.023) which is significant at 5%, indicating the violation of homoscedasticity assumption. Consequently, generalized Least Square method of estimation was employed using Fixed Effect and Random Effect method of estimations. This was done in order to take care of the individual differences within the units.

4.4.3 Hausman Specification Test

Hausman specification test was then conducted to decide between the two models, so as to select the preferred one. The result obtained from the test returned a χ^2 value of 31.72 that is statistically significant at 0.000. This shows that the dataset meet the asymptotic assumption of the Hausman specification test. As a result, the fixed effect model was preferred for model 1. As for model 2, the result obtained from the test returned a χ^2 value of 0.20 that is statistically insignificant at 0.99 and thus the Lagrangian Multiplier test was conducted. For model 3, the result returned a chi value of 5.71 that is not significant (p-value of 0.3353). Therefore, the study interpreted a robust logit regression result.

4.4.4 Lagrangian Multiplier Test (Model 2)

The Lagrangian Multiplier test helps in deciding between random effects regression and pooled OLS regression. The test is conducted after running the random effects model to see if there is presence or absence of cross sectional effect in the panel dataset. The rule is that if it is significant, random effect is the preferred model otherwise seemingly unrelated OLS regression suffices. Based on the result of the langrangian multiplier test, the null hypothesis was rejected and it was concluded that a random effect model is appropriate. This is evidenced by $\text{prob} > \chi^2 = 0.1954$. Therefore, the study interpreted a robust OLS regression result for model 2.

4.4.5 Specification Error Test (Model 3)

In a logistic regression model, the outcome binary variable is assumed to be linear combination of the independent variables. To test for this, two things are involved. The first is to confirm if the logistic function is the correct function used. The second is to test whether all the

relevant variables have been included in the model in order to avoid misspecification (Baura, 2013). Since the dependent variable of the study is a binary outcome, the task left is to test for misspecification. Accordingly, specification error test was conducted using “linktest” command for model 3. The “linktest” uses linear predicted value ($\hat{\mu}$) and linear predicted value squared ($\hat{\mu}^2$). The rule is “ $\hat{\mu}$ ” (p-value 0.003) variable should be statistically significant since it is the predicted value from the model while “ $\hat{\mu}^2$ ” (p-value 0.114) should not be significant unless the model is misspecified by omitting relevant variables. From the result of the linktest it can be seen that the model is well specified and no relevant variables was omitted.

4.4.6 Goodness of Fit Test (Model 3)

The log likelihood chi square and pseudo R^2 give a general gauge on how logistic model fits the data. However, scholars have suggested that a separate test for goodness of fit is desirable for logistic regression output. In this study, Hosmer-lemeshow test was used for goodness of fit. The idea in the test is that the predicted frequency and observed frequency should be closely match, the closer they are the better the fit. In Hosmer-lemeshow test, a p-value that is statistically insignificant shows model fitness and vice versa. The model appears to fit well because there is no significant difference between the model and the observed data and the p-value is (0.08) insignificant at 5% (i.e. p-value is above 0.05).

4.5.1 Presentation and Interpretation of Regression Result

The summary of the regression results obtained from the fixed effects model is presented below.

Table 4.4: Fixed Effects Regression Results (Model 1)

Variables	Coefficient	Z Statistics	Z Sig
CONSTANT	0.011	0.71	0.478
EARN	0.011	0.71	0.482
IFRS	-0.007	-3.43	0.001
IFRS*EARN	0.160	6.62	0.000
SIZE	-0.005	-0.24	0.809
R ²	0.551		
Wald Chi2	15.33		
Prob>Chi2	0.000***		

Source: STATA Output. (***, **, * indicate 1%, 5% & 10% level of significance respectively).

The regression equation is restated as follow:

$$EPERS = \alpha_{it} + \beta_1 EARN_{it} + \beta_2 IFRS_t + \beta_3 IFRS * EARN_{it} + \beta_4 SIZE_{it} + \varepsilon_{it}$$

Substituting the computed beta values of the variables of the study in the equation, we have:

$$EPERS = 0.011 + 0.011 EARN_{it} - 0.007 + IFRS + IFRS * EARN_{it} - 0.005 SIZE_{it} + \varepsilon_{it}$$

From the above regression equation it was revealed that holding current year earnings, IFRS, IFRS and earnings interaction, and size constant, earnings persistence of listed conglomerate firms in Nigeria would be at 0.011. The result revealed that there was a positive relationship between EPERS and EARN_t, IFRS*EARN; EPERS and SIZE of conglomerates in Nigeria but a negative relationship between EPERS and IFRS of listed conglomerates in Nigeria.

The Regression results indicate that the independent variables of the study (IFRS*EARN, EARN_t and SIZE) explained around 55% of the variations in the persistence of earnings of listed conglomerates in Nigeria, from the coefficient of determination of R² values of 0.551. The remaining 45% were explained by other factors that affect the sustainability of earnings of listed conglomerates in Nigeria which were not captured in the model of this study. The table also shows that the model is fitted as evident by the F-value of 15.33 which is at 99% confidence

level as shown by the p-value of 0.0000. This means, the independent variables collectively, are good explanatory variables of earnings persistence. The researcher concluded that the sustainability of earnings of conglomerates in Nigeria can be explained by current earnings, IFRS,IFRS earnings interaction and size for the firms' activities.

Table 4.5: Robust OLSRegression Results (Model 2)

Variables	Coefficient	Z Statistics	Z Sig
CONSTANT	0.130	1.01	0.318
EARN _{it}	0.861	3.32	0.002
IFRS	-0.027	-1.21	0.231
IFRS*EARN	0.062	0.39	0.697
SIZE	-0.012	-0.72	0.473
R ²	0.415		
Wald Chi2	27.13		
Prob>Chi2	0.000***		

Source: STATA Output. (***, **, * indicate 1%, 5% & 10% level of significance respectively).

The regression equation for model 2 is restated as follows:

$$EPRED = \alpha_{it} + \gamma_1 EARN_{it} + \gamma_2 IFRS_{it} + \gamma_3 IFRS * EARN_{it} + \gamma_4 SIZE_{it} + \varepsilon_{it}$$

Substituting the computed values of the variables of the study in the equation, we have:

$$EPRED = -0.130 + 0.861earn - 0.027ifrs + 0.062ifrs*earn - 0.012size + \varepsilon_{it}$$

The above regression equation shows that holding EARN,IFRS,IFRS*EARNand SIZE constant, earnings association with future cash flows of listed conglomerates in Nigeria would be at 0.130. Regression results based on the Robust OLSmethod of estimation in Table 4.5 indicate that the independent variables of the study (EARN, IFRS, IFRS*EARNand SIZE) explained around 42% of the variations in the ability of current year earnings to predict future cash flows of listed conglomerates in Nigeria, from the overall coefficient of determination of R² values of 0.415. The remaining 58% were explained by other factors that affect the earnings predictability of listed conglomerates in Nigeria which were not captured in the model of this study. Table 4.5 also shows that the model is fitted as evidenced by the F-value of 27.13 at 99% confidence andp-

value of 0.0000. This means the independent variables collectively, are good explanatory variables of the impact of earnings association on future cash flows of listed conglomerate firms in Nigeria. Therefore, earnings predictability of listed conglomerates in Nigeria can be explain by EARN, IFRS, IFRS*EARN and SIZE of conglomerates“ activities.

Table 4.6: LOGISTIC Regression Results (Model 3)

Variables	Coefficient	Z Statistics	Z Sig
CONSTANT	7.095	1.44	0.150
IFRS	1.350	1.40	0.161
DISSUE	0.875	0.59	0.553
SIZE	-0.880	-1.28	0.200
GROWTH	-22.395	-2.61	0.009
CFOt	22.934	2.64	0.008
R ²	0.394		
Wald Chi2	14.59		
Prob>Chi2	0.012		

Source: STATA Output. (***, **, * indicate 1%, 5% & 10% level of significance respectively).

The regression equation for model 3 is restated as follow:

$$\text{EM-SPEAR}_{it} = \alpha_{it} + \delta_1 \text{IFRS}_{it} + \delta_2 \text{DISSUE}_{it} + \delta_3 \text{SIZE}_{it} + \delta_4 \text{GROWTH}_{it} + \delta_5 \text{CFO}_{it} + \varepsilon_{it}$$

Substituting the computed values of the variables of the study in the equation, we have:

$$\text{EMSPEAR}_{it} = 7.095 + 1.350\text{ifrs} + 0.875\text{dissue} - 0.880\text{size} - 22.395\text{growth} + 22.934\text{cfo} + \varepsilon_{it}$$

Table 4.6 show that byholding DISSUE, SIZE, GROWTH, IFRS and CFOt to a constant, earnings managements to avoid small losses and achieve small positive earnings in Nigeria conglomerates firms would be at 7.095. Regression results based on robust logistic regression method of estimation in table 4.8 indicated that the independent variables of the study (DISSUE, SIZE, GROWTH, IFRS and CFOt) explained around 39% of the variations in the ability of managers of conglomerates firms to engage in earnings managements to avoid small losses and achieve small positive earnings in Nigeria. The remaining 61% were explained by factors that affect the earnings managements to achieve small positive earnings for listed conglomerates in Nigeria but not captured in the model of this study. Table 4.6 shows that the model is fitted as

evident by the F-value of 14.59 at 99% confidence level and p-value of 0.012. This shows that the model is fit and the explanatory variables were carefully selected. Therefore, earnings management to achieve small positive earnings of listed conglomerates in Nigeria can be explained by EARN, IFRS, IFRS*EARN and SIZE.

4.5.1 Hypotheses Testing and Discussion of Findings

In chapter one, three null hypotheses were formulated in order to test the effect of IFRS adoption on earnings quality of listed conglomerates firms in Nigeria, against which this study is anchored. These propositions were subjected to empirical testing drawing from the results of our descriptive and inferential statistics. The study tested the formulated hypotheses for the study in view of the robustness of the results, which can be considered as best unbiased estimator. The decision rule is based on the significances of the t-statistics which are represented by the p-values against each variable of the study. The study will use 10% level of significance as yardstick for either rejecting or failing to reject the hypotheses of the study. The hypotheses are presented as follows:

Hypothesis 1: IFRS adoption has no significant effect on earnings persistence of listed conglomerates firms in Nigeria.

Table 4.4 shows that earnings persistence parameter under NGAAP reporting is positive but insignificant ($\beta_1 = 0.011$, p-value 0.482), but earnings persistence parameter under IFRS reporting ($\beta_3 = 0.160$, p-value 0.000) indicating a positive and significant difference between earnings persistence under NGAAP and IFRS years. Thus, there is significant difference in persistency between IFRS and NGAAP earnings and earnings reported under IFRS are incrementally significantly persistent.

For the control variable, Firm size (SIZE) appear to be statistically insignificant and negatively associated with earnings persistency of quoted conglomerate firms in Nigeria. This means that the effects of IFRS adoption on earnings persistency are not different between large companies and small companies.

These outcomes is consistent with higher earnings persistence under IFRS relative to NGAAP reporting and provide evidence to reject the stated null hypothesis **H01** that IFRS adoption has no significant effect on earnings persistence of listed conglomerates firms in Nigeria. The result disagree with Beijerink (2018); Atwood et al (2011) who find no significant difference in earnings persistence between non-US GAAP and IFRS reporting firms and agree with the study of jaweher & Mounira (2014); Lorchir (2015) who find that IFRS based earnings are more persistent. Moreso, the findings suggest that signaling and stewardship theory explain earnings quality effectof adopting a new accounting standard.

Hypothesis 2: IFRS adoption has no significant effect on earnings predictability of listed conglomerates firms in Nigeria.

Table 4.5 presents the results for this model, which tests the association of current earnings, with future cash flows for NGAAP and IFRS reporting periods. This result shows that current earnings are significantly and positively associated with future cash flows during NGAAP ($\gamma_1 = 0.867$; p-value 0.000) but IFRS ($\text{ifrs} \times \text{earn}$) is positively insignificant($\gamma_3 = -0.067$; p-value 0.481). Showing significantly lower coefficientdepicting lower association of current earnings with future cash during IFRS adoption period.

Firm size (SIZE) appears to be negatively associated and statistically insignificant with earnings association with future cash flows of quoted conglomerate firms in Nigeria. This

implies that the cash generating ability of the firms and future prospect increases, do not depend solely on their size.

These outcomes is not consistent with higher association of current earnings with future cash during IFRS adoption period relative to NGAAP reporting and provide evidence for the failure to reject the stated null hypothesis **H02** that IFRS adoption has no significant effect on earnings association with future cash flows of listed conglomerates firms in Nigeria.. The result agree with Atwood et al (2011) who find that future cash flow association with current earnings is stronger under US GAAP relative to IFRS reporting firms and contrast with the study of Mousa (2014); jaweher & Mounira (2014); Lorchir (2015) who find that IFRS based earnings enhances predictability of Accounting Information more than local GAAP.

Hypothesis 3: IFRS adoption has no significant effect on earnings managements towards small profits of listed conglomerates firms in Nigeria.

Table 4.6 reports the result on the linear probability model which establishes the disposition of conglomerate firms to managing earnings towards small profits during IFRS reporting years relative to NGAAP. The result indicates that the coefficient on the variable of interest IFRS is positively correlated with EM-SPEAR but statistically insignificant ($\delta_1=1.350$; p-value 0.161), indicating that holding other variables constant, the probability of managing earnings towards small profits targets increases during mandatory IFRS adoption relative to NGAAP reporting period. Therefore, there is strong evidence for failure to reject the null hypothesis, which state that IFRS adoption has no significant effect on earnings managements towards small profits of listed conglomerate firms in Nigeria.

In terms of the control variables, DISSUE is positively correlated with EM-SPEAR but statistically insignificant (p-value 0.553), consistent with debt issuing firms being more likely to

manage earnings towards small profits than their non-debt issuing counterparts as stipulated by theory (Watts and Zimmerman, 1990). SIZE and GROWTH are negatively correlated with EM-SPEAR but size is not statistically significant (p-value 0.200), suggesting that earnings management towards small profits is not exactly a function of firm size, as both small and large firms may have reasons to target at least small profits, while the negative but significant GROWTH (p-value 0.009) implies that reported revenues are function of earnings, that is, earnings management increases when revenues grow.

CFO is positively associated with EM-SPEAR and the relationship is statistically significant (p-value 0.008). This shows that the probability of managing earnings towards small profits being lower when revenues change upwards or cash flows increases. This result is partially consistent with the findings of Chua et al (2012), Adeyemi (2016) and Xu (2014) where they find increased earnings management after IFRS adoption but contradicts the findings of Lorchir (2015), and Chen et al (2010) who find a negative and insignificant correlation between IFRS and earnings management (small positive earnings) in their study.

By and large, IFRS adoption (IFRS) was found to be positively associated with earnings management practices among quoted conglomerates in Nigeria, it is insignificant with p-value of 0.161. This implies that IFRS adoption is not significantly influencing the tendency of Nigerian conglomerates firms to engage in earnings manipulation. This perhaps, maybe due to the fact that, IFRS being a principle based accounting standards, is not substantially different from NGAAP which is both principle and rule-based accounting standards; also, the principle base allows managers to do more judgment than rule-based.

4.6 Policy Implication of the Findings

The result of this study has theoretical, practical and regulatory implications. The findings from this study suggest that signaling and stewardship theory explain earnings quality effect of adopting a new accounting standard. It implies that quoted conglomerates firms in Nigeria act transparently with enabling environment (i.e appropriate accounting standards). Hence, enhancing the ability of their managers and auditors to improve the decision usefulness of earnings. Regarding earnings persistence, we document evidence that earnings reported under IFRS are more persistent. This result corroborates the signaling and stewardship theory and consistent with the alternate hypothesis showing that earnings reported under IFRS are of higher quality. Research has shown evidence that firms adopting IFRS attract foreign investment when adoption is followed by appropriate implementation. The findings on earning predictability, however, partly violates the signaling and stewardship theory because the result indicates that new accounting standards lack the capacity to enhanced higher quality information.

Although, this is not the first literature evidence on the relationship between accounting standards and earnings quality in Nigeria, it provides unique theoretical and practical contributions. First, it empirically demonstrates that firms intending to signal higher quality accounting are likely to be constrained when the governing accounting standards lack the capacity to ensure generation of higher quality information. In contrasts, such firms' capacity is enhanced towards promoting higher quality earnings information under more credible and effective set of accounting standards.

Secondly, it offers a practical insight on the argument that IFRS adoption may not exhibit high quality gains because Nigerian SAS was previously modeled alongside IAS. This situation could therefore, have led to the narrowing of the quality of Accounting in the pre and post

adoption period. This scenario is completely different from that of the EU where according to Outa (2011), Europe historically had legal systems and combined with other political and economic differences created a vast diversity of accounting systems. Also, the poor economic situation and political instability in the country may be a factor. This revelations point to the needs for future studies to consider countries regulatory quality, financial reporting incentives and governance efficient structure in order to understand the capability of IFRS adoption in enhancing earnings quality.

Furthermore, on earnings management, findings reveal that the probability of managing earnings towards small profits increases during IFRS reporting periods relative to NGAAP reporting periods. The findings from the study imply that Nigerian firms did not significantly reduce the practice of earnings management after their adoption of IFRS. This insignificant IFRS adoption effect on earnings management in a country like Nigeria may be attributed to the less pressure faced by managers of firms in Nigeria and allowance for more judgment provided by principled based IFRS reporting.\

This study is apt as it will enhance a better understanding of the effect of IFRS adoption on earnings quality of quoted conglomerate firms in Nigeria. It is critical for standard-setters, investors, academia, regulatory authority, and analyst to gain insight on the effects of adoption of IFRS on earnings quality. The study also expands literature contribution by giving additional perspectives to the international accounting standards regarding the financial statement and the impact of adoption of these standards. This essentially leaves the role of IFRS to be that of a common reporting language around the world and not necessarily one of quality.

Thus, collectively, the findings indicate significant inconsistency with the initial predictions that, earnings quality differs during periods of reporting under NGAAP and IFRS. With

exception of earning persistence, the results contradicts the suggestions that relative to NGAAP accounting regimes, IFRS-based earnings indicate higher predictability in accruals and cash flows and that firms are less likely to manage earnings towards small profits to avoid losses.

CHAPTER FIVE

SUMMARY, CONCLUSION AND RECOMMENDATIONS

5.1 Summary

The growing complexity of IFRS standards has shifted the focused of accounting researchers as to whether convergence to IFRS will lead to high quality accounting information. This study investigated the effect of IFRS adoption on earnings quality of listed conglomerate firms in Nigeria. Literature related to this research was reviewed particularly, the concept of earnings quality, IFRS, relevant empirical studies and the theories (Signalling, Prospect and Stewardship) which underpin this study. The theory connects the relationship between earnings quality and IFRS adoption.

Proxies of earnings quality used in this study were earnings persistence, earnings predictability and the prevalence of managing earnings towards small profits. Data from all the six listed conglomerates firms on the Nigerian Stock Exchange as at 31st December, 2016 over the period of 2016 to 2015 were obtained from the Nigerian Stock Exchange fact-book and annual financial reports of the firms over the periods of the study.

In order to achieve the research objectives of the study, three null hypotheses were formulated, each covering one of the independent variable of the study which states that IFRS adoption has no significant effect on earnings persistence, earnings predictability, and earnings managements towards small profits. The results of the analysis of the study revealed that all the independent variables are significant in explaining earnings quality of listed conglomerates in Nigeria.

It was reported that earnings persistence under IFRS reporting is positively significant while the parameter under NGAAP reporting is positively insignificant. Whereas, earnings predictability under IFRS reporting years shows a positively but statistically insignificant

association between current earnings with future cash flow. Also, IFRS was found to be positively correlated with SPEAR but statistically insignificant indicating that the probability of managing earnings towards small profits targets increase during IFRS adoption relative to NGAAP reporting period. Lastly, Firm size (SIZE) was statistically insignificant and negatively associated with earnings persistency, but for earnings association with future cash flow (predictability) SIZE show a negative and insignificant relation. Overall, no strong evidence that the adoption of IFRS has improved the quality of accounting information.

5.2 Conclusion

The study tested the effect of IFRS adoption on earnings quality of listed conglomerate firms in Nigeria. Based on the findings, the study concludes as follows. There is significant difference in persistency between IFRS and NGAAP earnings and earnings reported under IFRS are incrementally significantly persistent for Nigerian firms. However, earnings predictability for IFRS reporting period is significantly lower compare to NGAAP for firms in Nigeria. Also, we conclude that, the tendency to manage earnings towards small profits targets does not decrease as a result of adopting IFRS. Moreso, the study further conclude that as firm grows in size, the cash generating ability of the firm and future prospect increases and that earnings recurrence (persistence) is not a function of firm size. Overall, the study concludes that both NGAAP and IFRS have the required characteristics to achieve the desired level of reporting and improve financial reporting (earnings) quality of Nigerian firms and that accounting quality has remained almost the same.

5.3 Recommendations

Based on the findings and conclusions of this study, the following recommendations are made:

- i. To enhance maximum benefits of IFRS adoption in Nigeria, regulators, standard-setters, top management, external auditors and other policy makers being the key players in standards, need to re-evaluate and work together to tighten compliance and enforce consistency in Nigerian firms so that the impact of IFRS could be felt more, also ensure that the actors in the capital market comply fully with all standards and rules that have been set.
- ii. There is need for the all stakeholders while implementing IFRS in Nigeria, to consider other factors such as the institutional framework, national legal system, and good corporate governance practices, which should be strengthened to ensure an improvement in transparency and comparability of financial statement.
- iii. Moreso, for Nigerian firms to further enjoy global investment environment, regulators in Nigeria need to reveal the quality of earnings in African firms reported under IFRS among other objectives, which may in turn attract investors' attention to the possible advantage and prospects of those firms.

5.4 Limitations of the Study

The study was limited to determining the impact of IFRS adoption on earnings quality of listed conglomerate firms in Nigeria. For this reason, other industries like financial institution were not captured in the study. Therefore, the findings and recommendations are only applicable to listed conglomerates in Nigeria. Also, the study was limited to secondary data only.

5.5 Suggestion for Further Research

Further studies should consider addressing the shortcoming of this study. The researcher suggests that further studies in this area should make use of other proxies of earnings quality attributes such as smoothness, value relevance, timeliness and conservatism. The researcher also suggests that similar studies should be conducted expanding the sample size to include all listed firms in Nigeria and by extension, some countries in Africa.

REFERENCES

- Abata, A. M., (2015). The impact of International Financial Reporting Standards (IFRS) on financial reporting practice in the Nigerian banking sector. *Journal of Policy and Development Studies*, 9(2), 169-184.
- Abdul-Baki, Z. A, Uthman, A. B and Sanni, .S, (2014). Financial ratios as performance measure: A Comparison of IFRS and Nigerian GAAP: *Journal of Accounting and Management Information Systems Vol. 13, No. 1, pp. 82–97, 2014, University of Ilorin, Nigeria.*
- Atwood, T. J., Drake, S., Myers, J., & Myers, A., (2011). Do earnings reported under IFRS tell us more about future earnings and cash flows? *Journal of Accounting and Public Policy*, 30.
- Ball, R., (2016). International Financial Reporting Standards (IFRS): pros and cons for investors. *Accounting and business research*, 36(sup1), 5-27.
- Ball, R., & Shivakumar, L. (2016). The role of Accruals in Asymmetrically timely gain and loss recognition. *Journal of accounting Research*, 44(2), 207-242.
- Ball, R., Robin, A., & Wu, J. (2013). Incentives Versus Standards: Properties of Accounting Income in Four East Asian Countries. *Journal of Accounting and Economics*, 36(1),-270.
- Bergstresser, D., & Philippon, T. (2016). CEO incentives and earnings management. *Journal of Financial Economics*, 80(3), 511-529.
- Borensztein, E., De Gregorio, J., & Lee, J. W. (1998). How does foreign direct investment affect economic growth?. *Journal of international Economics*, 45(1), 115-135.
- Bradbury, M. E., & Schröder, L. B. (2012). The content of accounting standards: Principles versus rules. *The British Accounting Review*, 44(1), 1-10.
- Brüggemann, U., Hitz, J. M., & Sellhorn, T. (2013). Intended and unintended consequences of mandatory IFRS adoption: A review of extant evidence and suggestions for future research. *European Accounting Review*, 22(1), 1-37.
- Burgstahler, D., & Dichev, I. (1997). Earnings management to avoid earnings decreases and losses. *Journal of accounting and economics*, 24(1), 99-126.
- Carmona, S., & Trombetta, M. (2018). On the global acceptance of IAS/IFRS accounting standards: The logic and implications of the principles-based system. *Journal of Accounting and Public Policy*, 27(6), 455-461.
- Chen, H., Tang, Q., Jiang, Y., & Lin, Z. (2010). The role of international Financial Reporting Standards in Accounting Quality: Evidence from the European Union. *Journal of International Financial Management and Accounting*, 21(3), 220-278.
- Christensen, H. B., Lee, E., Walker, M., & Zeng, C. (2015). Incentives or standards: What

- determines accounting quality changes around IFRS adoption?. *European Accounting Review*, 24(1), 31-61.
- Christensen, H., Lee, E., & Walker M.,(2018). Incentives or Standards, What Determines Accounting Quality changes around the IFRS Adoption? A paper presented at the annual meeting of the American Accounting Association in Anaheim California 3-6 Aug 2018. American Accounting Associaton.
- Christensen, H., Lee, E., & Walker, M. (2019). Do IFRS reconciliations convey information? The effect of debt contracting. *Journal of Accounting Research*, 47, 1167-1199.
- Chua, Y.L., C. S. Cheong and G. Gould (2012), « The Impact of Mandatory IFRS Adoption on Accounting Quality: Evidence from Australia», *Journal Of International Accounting Research*, Vol. 11, No. 1, pp. 119–146.
- Coffee, J., (2012). Racing towards the top? The impact of cross-listings and stock market competition on international corporate governance. *Columbia Law Review* 102,-1831
- Collins, D. W., & Hribar, P. (2000). Earnings-based and accrual-based market anomalies: one effect or two?. *Journal of Accounting and Economics*, 29(1), 101-123.
- Collins, D., & Kothari, S. (1989). An analysis of the Cross-sectional and intertemporal determinants of earnings response coefficients. *Journal of Accounting and Economics*, 11(1), 143-181. Chalmers, K., Clinch, G., Godfrey, J. M., & Wei, Z. (2012). Intangible assets, IFRS and analysts' earnings forecasts. *Accounting & Finance*, 52(3), 691-721.
- Committee on Roadmap (2010). Report on the Adopting Of (IFRS) In Nigeria.
- Daske, H. (2016). Economic Benefits of Adopting IFRS or US-GAAP–Have the Expected Cost of Equity Capital Really Decreased? *Journal of Business Finance & Accounting*, 33(3-4).
- Daske, H., Hail, L., Leuz, C., & Verdi, R. (2018). Mandatory IFRS reporting around the world: Early evidence on the economic consequences. *Journal of accounting research*, 46(5), 1085-1142.
- Dechow, P., & Schrand, C. (2014). *Earnings Quality*, The Research Foundation of CFA Institute. Charlottesville, Virginia.
- Dechow, P., & Skinner, D. J. (2000). Earnings managemnet: Reconciling the views of Academics, Practitioners, and Regulators. *Accounting Horizons*, 14(2), 235-250.
- Deegan, C., & Unerman, J. (2016). *Financial Accounting Theory* (European ed.). Berkshire, United Kingdom: McGraw-Hill Education.
- Elbannan, M., (2011): “Accounting and Stock Market Effects of International Accounting Standards Adoption in an Emerging Economy” *Journal of Review of Quantitative Finance and Accounting* Vol 1 36: pp 207-245
- Francis, J., LaFond, R., Olsson, P. M., & Schipper, K. (2014). Costs of equity and earnings attributes. *The Accounting Review*, 79(4), 967-1010.

- Francis, J., Nanda, D., & Olsson, P. (2018). Voluntary disclosure, earnings quality, and cost of capital. *Journal of accounting research*, 46(1), 53-99.
- Freeman, J.A. Ohlson, S.H. Penman(1982). Book rate-of-return and prediction of earnings changes: an empirical investigation *Journal of Accounting Research* (1982), pp. 639–653 Autumn.
- Gaio, C. 2010. “The relative importance of firm and country characteristics for earnings quality around the world”, *European Accounting Review*, 19(4): 693–738.
- Galaen, A. and Stenhaim, T. (2010). Differences in accounting quality between Norwegian GAAP and IFRS. A master thesis submitted to Buskend University College, spring, Norway.
- Gebhardt, G. u., & Novotny-Farkas, Z. (2011). Mandatory IFRS adoption and accounting quality of European banks. *Journal of Business Finance & Accounting*, 38(3-4), 289-333.
- Gujarati, D. N. (2012). *Econometrics by example*. Hampshire, UK: Palgrave Macmillan.
- Hassan, S.U., (2015). Adoption of International Financial Reporting Standards and Earnings Quality in Listed Deposit Money Banks in Nigeria. 7th INTERNATIONAL CONFERENCE ON FINANCIAL CRIMINOLOGY 13-14 April 2015, Wadham College, Oxford, United Kingdom.
- Hail, L., Leuz, C. & Wysocki P. (2010). Global Accounting Convergence and the Potential Adoption of IFRS by the U.S. (Part I): Conceptual Underpinnings and Economic Analysis. *Accounting Horizons*, 24(3): 355-394.
- Hayn, C. (1995). The information content of losses. *Journal of accounting and economics*, 20(2), 125-153.
- Healy, P. M. (1985). The effect of bonus schemes on accounting decisions. *Journal of accounting and economics*, 7(1), 85-107.
- Healy, P. M., & Wahlen, J. M. (2019). A review of the earnings management literature and its implications for standard setting. *Accounting horizons*, 13(4), 365-383.
- Herrmann, D., Inoue, T., & Thomas, W. B. (2013). The sale of assets to manage earnings in Japan. *Journal of Accounting Research*, 41(1), 89-108.
- Hope, O. K., Jin, J., & Kang, T. (2016). Empirical evidence on jurisdictions that adopt IFRS. *Journal of international accounting research*, 5(2), 1-20. Horton, J., & Serafeim, G. (2010). Market reaction to and valuation of IFRS reconciliation adjustments: first evidence from the UK. *Review of Accounting Studies*, 15(4), 725-751.
- Horton, J., & Serafeim, G. (2010). Market reaction to and valuation of IFRS reconciliation adjustments: first evidence from the UK. *Review of Accounting Studies*, 15(4), 725-751.

- Horton, J., Serafeim, G., & Serafeim, I. (2013). Does Mandatory IFRS Adoption Improve the Information Environment?*. *Contemporary Accounting Research*, 30(1), 388-423.
- Houqe, M. N., Van Zijl, T., Dunstan, K., & Karim, A. W. (2012). The effect of IFRS adoption and investor protection on earnings quality around the world. *The International journal of accounting*, 47(3), 333-355.
- Houqe, M. N., Kerr, R. J., & Monem, R. (2014). Business strategy, economic growth, and Earnings quality. Available at SSRN: <http://ssrn.com/abstract=2198626> or <http://dx.doi.org/10.2139/ssrn.2198626>.
- Houqe, M. N., van Zijl, T., Dunstan, K., & Karim, W. (2011). The effect of IFRS adoption and investor protection on earnings quality around the world. *The International journal of Accounting*, 47(3):333-358.
- Hribar, P., & Craig Nichols, D. (2017). The use of unsigned earnings quality measures in tests of earnings management. *Journal of Accounting Research*, 45(5), 1017-1053.
- Hribar, P., Jenkins, N. T., & Johnson, W. B. (2016). Stock repurchases as an earnings management device. *Journal of Accounting and Economics*, 41(1), 3-27.
- Hughes, P. J. (1986). Signalling by direct disclosure under asymmetric information. *Journal of Accounting and Economics*, 8(2), 119-142.
- Hung, M. & Subramanyam, K.R.(2017). Financial statement effects of adopting International Accounting Standards: the case of Germany. *Review of Accounting Studies*, 12 (4), 623–657.
- ICAEW(2019). Policy briefing: Fair value accounting and the financial crisis. Available at <http://www.icaew.com/~media/corporate/archive/files/about%20icaew/what%20we%20do/policy/public%20policy/fair%20value%20crisis.ashx>.
- ICAS(2016).Principles not rules: A question of judgment. Available at [https:// www.icas.com/technical-resources/principles-not-rules](https://www.icas.com/technical-resources/principles-not-rules).Accessed on 27 September 2013.
- IFRS. 2011. Africa Embraces IFRS. Retrieved from <http://www.ifrs.org/Features/Pages/Africa-embraces-IFRSs.aspx>
- Isenmila, P.A., and Adeyemo, K.A. (2013). Mandatory adoption of IFRS in Nigeria: The unresolved institutional question. *Mediterranean journal of social science*, 4(1).
- Jaweher, B. &Mounira, B.A.(2014). The effects of mandatory IAS/IFRS regulation on the properties of earnings“ quality in Australia and Europe, *European Journal of Business and Management*, 6(3), 92-111.
- Kirkulak, B. and Balsari, C.K (2019): Value Relevance of Inflation-adjusted Equity and Income. *The International Journal of Accounting*. 44 (363-377).
- Kunle, O. A; Omoruyi, E. P; Hamed A. B. (2011). Impact of International Reporting Standards on Insurance Management in Nigeria. *Middle Eastern Finance and Economics*,

- EuroJournals Publishing, 2, 128-142.
- Landsman, W. R., Maydew, E. L., & Thornock, J. R. (2012). The information content of annual earnings announcements and mandatory adoption of IFRS. *Journal of Accounting and Economics*, 53(1), 34-54.
- Lang, M., Lundholm, R., 1993. Cross-sectional determinants of analysts ratings of corporate disclosures. *Journal of Accounting Research* 31, 246–271.
- Leuz, C., & Verrecchia, R. E. (2000). The Economic Consequences of Increased Disclosure (Digest Summary). *Journal of accounting research*, 38(1), 91-124.
- Leuz, C. (2013). IAS versus US GAAP: information asymmetry–based evidence from Germany's new market. *Journal of accounting research*, 41(3), 445-472.
- Lev, B., & Sougiannis, T. (1996). The capitalization, amortization, and value-relevance of R&D. *Journal of accounting and economics*, 21(1), 107-138.
- Liu, C., Yao, L., Hu, N., & Liu, L. (2011). The impact of IFRS on Accounting Quality in a regulated Market. An empirical study of China. *Journal of Accounting, Auditing and Finance*, 26(4), 659-674.
- Lipe, R., (1990), The Relationship between stock returns and Accounting Earnings given alternative information: *The Accounting Review* 65: 45-71,1990.
- Lorchir, D.N. (201). Impact of Mandatory IFRS Adoption on Earnings Quality:Evidence from Eight African Countries: A thesis presented for the degree of doctor of philosophy in Accountancy at the university of Aberdeen United Kingdom.
- Madawaki, A. (2012). Adoption of IFRS in Developing Countries. The case of Nigeria. *International Journal of Business and Management.*, 7(3), 152-161.
- Mirza, Holt & Knorr, 2015: *Accounting Practices*. John Wiley & Sons, Inc, New York.
- Mousa G. (2014). The value relevance and Predictability of IFRS Accounting information: The case of GCC stock markets: the international *Journal of Accounting*, Vol. 4.
- Müller, M. A., Riedl, E. J., & Sellhorn, T. (2014). Recognition versus disclosure of fair values. Boston U. School of Management Research Paper, (2013-13). Murphy, K. J. (2019). Executive compensation. *Handbook of labor economics*, 3(1), 2485-2563.
- Nobes, C., & Parker, R. H. (2010). *Comparative international accounting*. Pearson Education.
- Odia, J.O, and Ogedu, K.O (2013). IFRS adoption: Issues, challenges and lesson for Nigeria and other adopters. *Mediterranean Journals of Social Sciences MCSGR publishing Rome Italy*.
- Ogiedu, K.O. (2011). International Financial Reporting Standards Adoption: A Challenge of Definition and Implementation, A Seminar paper presented in the PhD Accounting,

Department of Accounting ,University of Benin.

Ohlson (1995) A synthesis of security valuation theory and the role of dividends, cash flows, and earning Columbia University, New York, NY (1995) Working paper

Ojo, M. (2012). The Need for Global Adoption and Adaptation of International Financial Reporting Standards: Post Enron Consequences and the Restoration of Confidence to Capital Markets following the 2018 Financial and Stock Market Crises. Working Paper (available at <http://ssrn.com/abstract=214610>).

Olugbenga, J. (2016). The Adoption of IFRS and Value Relevance Of Accounting Information In Nigeria International Journal of Innovative Research and Advanced Studies (IJIRAS) Volume 3 Issue 4, April 2016.

Okafor, C. and Ogiedu K.O. (2011). Potential effects of adoption and implementation of IFRS in Nigeria . Jorind, 9(2).

Outa, E. R. (2011). The impact of International Financial Reporting Standards (IFRS) adoption on the accounting quality of listed companies in Kenya. International Journal of Accounting and Financial Reporting, 1(1), Page-212.

Penman, S. H. (2017). Financial reporting quality: is fair value a plus or a minus?. Accounting and Business Research, 37(sup1), 33-44.

Penman, S. H., & Zhang, X. J. (2012). Accounting conservatism, the quality of earnings, and stock returns. The Accounting Review, 77(2), 237-264.

Penrose, E. T. (1995). The Theory of the Growth of the Firm. Oxford university press.

Pologeorgis, N. (2013). The impact of combined U.S. GAAP and IFRS, CFA Institute of Certificate. cfainstitute.org/claritas

Psaroulis, A., (2011). Did financial reporting quality increase after adoption of IFRS in Greece? A master thesis in fulfilment of M.Sc. in Banking and Financial Management in department of banking and financial management, university of Piraeus, Greece.

Pricewater House Coopers, (2018). The move to IFRS tax implementation, Tax Memo Publication, Ontario.

PwC (2014). IFRS adoption by country. Available at http://www.pwc.com/en_US/frsreporting/publications/assets/pwc-ifrs-by-country-2014.pdf. Retrieved on 22 September 2014.

Richardson, S. A., Sloan, R. G., Soliman, M. T., & Tuna, I. (2015). Accrual reliability, earnings persistence and stock prices. Journal of Accounting and Economics, 39(3), 437-485.

Schipper, K. (1989). Commentary on earnings management. Accounting horizons, 3(4), 91-102.

- Schipper, K. (2013). Principles-based accounting standards. *Accounting Horizons*, 17(1), 61-72.
- Schipper, K., & Vincent, L. (2013). Earnings quality. *Accounting Horizon*, 17(1), 97-110.
- Schumpeter, J. A. (1934). *The theory of economic development: An inquiry into profits, capital, credit, interest, and the business cycle* (Vol. 55). Transaction publishers.
- Scott, W. R. (2019). *Financial accounting theory* (fifth edition). Norwalk USA: Prentice Hall.
- SEC(2013). Securities and Exchange Commission, Study Pursuant to Section 108(d) of the Sarbanes- Oxley Act of 2012 on the Adoption by the United States Financial Reporting System of a Principles-Based Accounting System. Available at <https://www.sec.gov/news/studies/principlesbasedstand.htm>.
- Shehu, U.H., 2011. Corporate Governance and Financial Reporting Quality: A Study of Nigerian Money Deposit Bank. *International Journal of Research in Computer Application and Management* (U.S.A), 1(6): 12-19 ISSN: 2231-1009
- Shortridge, R. T., Schroeder, A., & Wagoner, E. (2016). Fair-value accounting: analyzing the changing environment. *The CPA Journal*, 76(4), 37-39.
- Skinner, D., L., Myers (2019). Earnings momentum and earnings management Unpublished working paper, University of Michigan and University of Illinois .
- Street, D., Gray, S. & Bryant, S. (2019), Acceptance and Observance of International Accounting Standards: An Empirical Study of Companies Claiming to Comply with IASs., the *International Journal of Accounting*, Vol. 34, No. 1 pp. 11-48.
- Sun, J., Steven, F. Cahan and D. Emanuel (2011), How Would the Mandatory Adoption of IFRS Affect the Earnings' quality of U.S. Firms? Evidence from Cross-Listed Firms in the U.S., *Accounting Horizons*, Vol. 25, No. pp. 837–860
- Tucker, J. W., & Zarowin, P. A. (2016). Does income smoothing improve earnings informativeness?. *The Accounting Review*, 81(1), 251-270.
- Umobong, A.A and Akani . D, (2015). IFRS Adoption and Accounting Quality of Quoted Manufacturing Firms in Nigeria: A Cross Sectional Study of Brewery and Cement Manufacturing Firms: *European Journal of Accounting, Auditing and Finance Research* Vol.3, No.8, pp.70-85, August 2015.
- Umoren, A. O. and Enang, E. R. (2015) IFRS adoption and value relevance of financial statements of Nigerian listed banks. *International Journal of Finance and Accounting*, 4(1), 1-7.
- Uwuigbe, U., Uyoyogbene A. L., Uwuigbe, O. R., Jafaru J., Jimoh R. (2017). International Financial Reporting Standard (IFRS) Adoption and Earnings Predictability of Listed Banks in Nigeria. *ResearchGate/Publication: Business Perspective Volume 12*.
- Van der Meulen, S., Gaeremynck, A., & Willekens, M. (2017). Attribute differences between US

- GAAP and IFRS earnings: An exploratory study. *The International Journal of Accounting*, 42(2), 123-142.
- Van Tendeloo, B., & Vanstraelen, A. (2015). Earnings management under German GAAP versus IFRS. *European Accounting Review*, 14(1), 155-180.
- Walton, P., & Aerts, W. (2019). *Global financial accounting and reporting: principles and analysis*. Cengage Learning.
- Watts, R. L., & Zimmerman, J. L. (1978). Towards a positive theory of the determination of accounting standards. *Accounting review*, 53(1), 112-134.
- Watts, R., & Zimmerman, J. (1986). *Positive Accounting Theory*. Englewood Cliffs New Jersey: Prentice-Hall Inc.
- Watts, R. L., & Zimmerman, J. L. (1990). Positive accounting Theory: A ten Year Perspective. *Journal of Accounting Review*, 65(1), 131-156.
- World Bank (2014). Report on the Observance of Standards and Codes – Accounting and Auditing (ROSC A&A). Available at <http://www.worldbank.org/ifa/rosc.html>. Accessed on 15 April 2012.
- Yahaya, O. A., Yusuf, M. J., & Dania, I. S. (2015). International financial reporting standards" adoption and financial statement effects: Evidence from listed deposit money banks in Nigeria. *Research Journal of Finance and Accounting*, 6(12), 107–123.
- Yeboah, B., and Yeboah, M. (2015). When Is Accounting Quality Improved? Assessing the EarningsManagement Effect of IFRS for South Africa. *International Journal of Accounting and FinancialManagement Research*, 5(2), 1-16.
- Zakari, M. (2017). International Financial Reporting Standard (IFRS) Adoption and Its Impact on Financial Reporting: Evidence from Listed Nigeria Oil and Gas Companies *Asian Journal of Finance & Accounting* ISSN 1946-052X 2017, Vol. 9, No. 1
- Zeghal, D., Chtourou, S. M., & Fourati, Y. M. (2012). The effect of mandatory adoption of IFRS on earnings quality: Evidence from the European Union. *Journal of International Accounting Research*, 11(2), 1-25.
- Zéghal, D., Chtourou, S., & Sellami, Y. M. (2011). An analysis of the effect of mandatory adoption of IAS/IFRS on earnings management. *Journal of international accounting, auditing and taxation*, 20(2), 61-72.