

## **AUDIT COMMITTEE CHARACTERISTICS AND NON-PERFORMING LOANS IN NIGERIAN DEPOSITS BANKS**

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**ABSTRACT:** *This study examined empirically the impact of audit committee characteristics on non-performing loans in Nigerian Deposits banks. For the purpose of this research work, secondary data was used and the instruments of data collection were financial statements. The study adopts Ex-post factor research (after the fact) design. The population of the study is 15 banks according to the Nigerian Stock Exchange. The sample size is the entire population of the study. The Study made use of multiple regression analysis and specifically the panel data regression technique. The Hausman test was used to determine the suitable regression. The result of the Hausman test showed the random effect. The findings suggested that the inclusion of financial expertise in audit committee leads to reduced level of non-performing loans in listed banks in Nigeria. Although insignificant, the relationship between the audit committee meetings and non-performing loans also revealed a negative influence. While the influence of audit committee independence on non-performing loans revealed a positive relationship. Therefore, the study recommends that financial experts on the audit committee should take in cognizance of the negative effect of increased non-performing on the performance of the listed banks and the committee meetings should discussed the ways in which non-performing loans are reduced.*

**KEYWORDS:** Non-performing loans, audit committee characteristics, corporate governance

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### **INTRODUCTION**

The existence of the Deposit Money Banks has contributed marginally to the growth of and decline in any economy. In Nigeria, there is a need to address the prevailing weaknesses in financial institutions because of their capacity to define and determine the economic climate of the country. Deposit Money Banks and Other Financial Institutions act as a liaison between the demand and supply side of the funds through the provision of loans, which requires the need for efficiency and effectiveness in the banking system (Mondal, 2016). A major tool in which efficiency and effectiveness in the banking industry can be achieved is through corporate governance as it is about monitoring and controlling decisions in organizations as well stipulating processes, procedures, guidelines and codes to be followed by managers and board of directors (Institute of chartered accountants of Nigeria, 2014).

Abioye (2017) established that the current economic recession in Nigeria has proved that deposit banks still harbors flaws in governance, which is characterized by poorly appraised credits, flouting of credit limits, weakening of shareholders' funds, insider non-performing loans and over-dominating executive. This has further established the fact that there is a strong relationship between weak governance in the Banks and the existence of substantial amount of non-performing loans, which has been one of the main challenges in the banking industry and in the economy of most developed countries as there is a decline in value of loan collections of banks. In addition, Terzungwe & Simon (2011) established that credits are issued by banks to customers in their day-to-day transactions having the hope of reimbursement right after the completion of the agreed period. It was further explained that sometimes this credit remains uncollectable, and therefore make up of what is called non-performing loans. The risk associated with non-performing have a serious impact on the banks therefore there is a need for good corporate governance.

Good corporate governance cannot be exhibited without the active participation of the audit committee. Hamdan, Mushtaha & Al-Sartawi (2013) established that the audit committee serves as a vital tool for corporate governance. Due to the several volumes of transactions, large quantity of cash and cash substitutes held increased use of technologies in banking processes and the numerous complex financial product that is traded in banks, the tendency for risk is likely to be higher. There are possibilities of fraud and the internal control function is likely to be more difficult. All of these make the role of audit committee become extremely important (Prabhu, 2012). The audit committee is saddled with the responsibility to check, examine, scrutinize and evaluate the processes and procedures for carrying out operations stipulated by the law, regulatory bodies, the code of corporate governance and the organization in issuing out loans on behalf of the board of directors. The audit committee also carries out the function of overseeing the auditing procedure and financial reporting, which gained renewed interest in controlling frauds has perpetuated by accountants and managers (Adhikary & Mitra, 2016).

A plethora of studies (Messai & Jouini, 2013; Nyor & Mejabi, 2013) have addressed non-performing loans in banks by examining various variables that are likely to affect it. Messai and Jouini (2013) stated that micro and macro economic variables affects non-performing loans. In addition, Nyor & Mejabi (2013) has examined non-performing loans using corporate governance as a variable. Most of these studies have focused on variables that are broad in scope such as corporate governance, macro and micro economic determinants, auditors and regulatory examiners. There have been very limited empirical studies on the influence of audit committee on non-performing loans.

To the best of the researchers knowledge, little is known about audit committee and non-performing loans in deposit banks in Nigeria but most reserchers have looked at how corporate governance and other factors affect non-performance. The study examined the influence of audit committee characteristics decomposed into audit committee financial expertise, audit committee meeting and audit committee independence on non-performing loans in the listed banks in Nigeria using fixed effect panel analysis. The study affirmed that affiliation among audit committee financial expertise and non-performing loans in Nigerian Banks was significantly positive, which suggested the increased non-performing loans due to risk appetite of financial expertise in audit committee. Although insignificance,

the relationship between the audit committee meeting and non-performing loans was positive while the influence of audit committee independence on non-performing loans in listed banks in Nigeria.

This study became necessary considering the increasing level of non-performing loan in Nigeria and where the board of directors especially the audit committee plays a major role in the strategic decision making as regard credit policies of the institution. More so, in ensuring that management comply strictly with the monetary credit policies as instituted by the Central Bank of Nigeria. The lack of the adequate financial expertise of the audit committee was one of the factors that led to the sacking of the board of directors of money deposit banks in the year 2004 by Charles Soludo led CBN. For example, the Nigerian banking industry witnessed a 14% rise in Non-Performing Loans (NPLs) in the first half of 2020 ending a 2-year trend of continued decline in NPLs, since Q3 2018. According to the latest banking sector report released by the National Bureau of Statistics (NBS), non-performing loans in Nigerian banks increased to N1.212 trillion at the end of June 2020, from N1.059 trillion recorded in December 2019, indicating that NPLs across Nigerian banks rose by N152.4 billion or 14.38% in six months (NBS/Nairalytics, 2020). According to Velte (2017), the composition and resourcefulness of audit committee play a major and very important role in ensuring adequate corporate governance quality in the interest of investors and owners of the business. In the Sarbanes-Oxley Act 2002 it as conspicuously stated that publicly quoted companies must have and Audit Committee who comprised financial experts and independent members that can exercise their objective and unbiased mind and experience in providing oversight function in terms of financial reporting quality, internal/external audit quality, credit policy especially loan management and the general well being of the stakeholders wealth. According to Emiefele (2017), the rising of non-performing loans, declining assets quality, credit concentration and high foreign exchange exposure has led to financial instability of deposit money banks in Nigeria. Out of the 18.53tn total loan portfolio of the deposit money bank operating in the country as at the end of last year, about 1.85tn or 10% of the amount had become non-performing loan based on statistics released by the NDIC. This is above the 5% regulatory threshold of the sector as stipulated by Bankers Committee (Adegbie, Akintoye and Ashaolu, 2019). Non-performing loan is a significant factor used by regulators to determine financial stability and bank asset quality (Adegboye, Ojeka & Adegboye, 2020). Non-performing loans have contributed largely to prior bank failure and envisaged an indicator of the banking crisis (Us, 2017). Increase in non-performing loans signifies the unascertained banking crisis (Louzis et al., 2012). In addition, increased nonperforming loans relate to weaknesses in the financial system, which exposes the bank's vulnerability to credit risk and ultimately lead to the loss of shareholders interests and other associated factors.

Evidence reveals that ineffective corporate governance structure especially the roles of the audit committee that are saddled with the responsibility to oversee the financial reporting quality and entrenching strong internal control mechanisms in the system fails to recognize and prevent the excessive risk appetites, which lead to the vulnerable financial practice (Adegboye, Ojeka and Adegboye, 2020; Grove et al., 2011 & Tarchouna et al., 2017a).

These above recent trends in bad loans have provoked some concerns and questions among stakeholders, which include; why are the figures rising? What are the implications? What role has the audit committee dynamisms in terms of financial expertise, audit committee independence and meetings

played in all these? There are few literatures on the relationship between corporate governance and non-performing loans however; there is a dearth of literatures on the specific component(s) of corporate governance that are responsible to effectively managed non-performing loan in Nigeria.

This study seeks to bridge this gap by considering whether the compositions of the audit committee as presently constituted is effective enough in managing non performing loans riding on the financial expertise, independence and meetings of the members. Based on the aforementioned, this study attempts to extend the existing body of literature by analyzing the impact of audit committee characteristics on non performing loan in the banks.

Overall, this study strengthens existing literature by shedding more light on the particular characteristics of the audit committee members in the management of non-performing loans which keeps increasing every year. Secondly, it would help to establish the requirements that board should be looking for before appointing audit committee members and again, what amount of objectivity that independent directors must exercise to prevent insider abuses as it has been established that most of the non performing loans are insider trading that sometimes holds no collateral on the said credit (Ojeka, Iyoha and Asaolu, 2015). In addition, the study contributes to literature by looking at how effective the audit committee meetings in investigating and preventing are rising in bad loans. Lastly, the findings of this study as a result of contributes to strand of literatures on how the composition of the audit committee board can help to adequately and effectively managed non-performing loans in the money deposit banks in Nigeria.

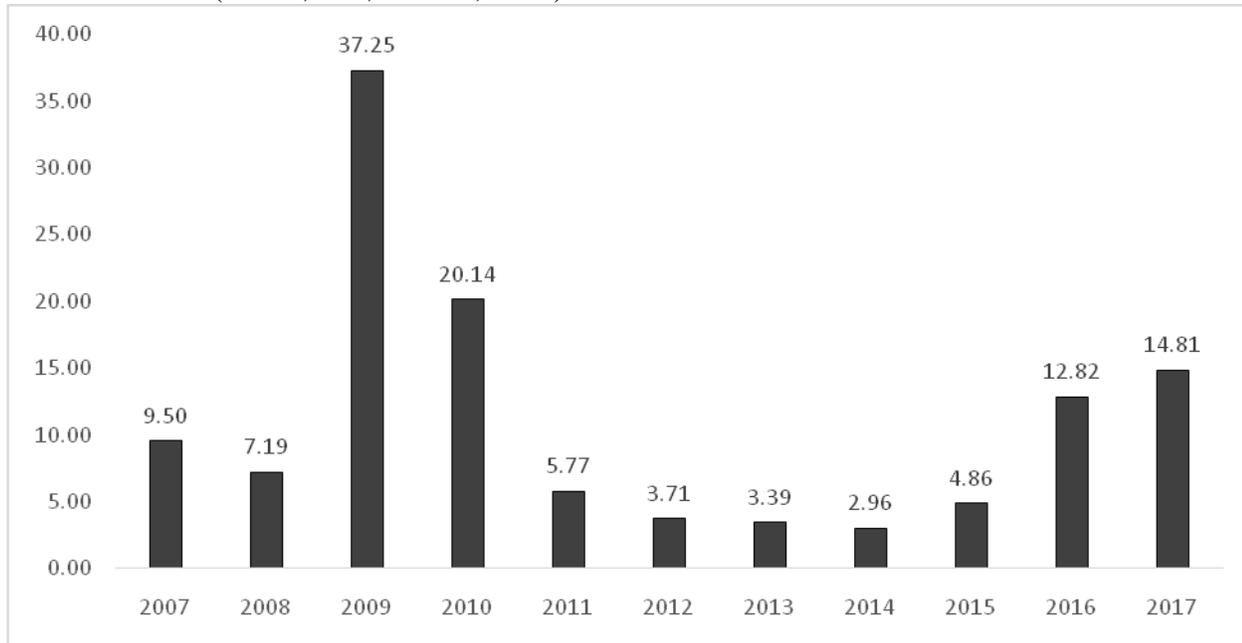
The remainder of this study was further organized into sections. Section 2 discussed the prior literature and hypotheses development followed by a section on research methods. The subsequent sections focus on empirical findings and discussion of results and the study is concluded in the last section.

### **Trends of Non-performing Loans in Nigeria**

Nigeria like other economies has a long-standing problematic condition with non-performing loans identified as a major obstacle to banking stability. Prior studies like Barr, Seiford & Siems (1994) trace prior high non-performing loans to banks failure. Similarly, the global financial crisis of 2008 shows the fragility of the financial system globally, as the financial crisis initiated by the United States banking sector has a split over effect on other economies banking sector and incidentally disrupt the global real economy. Taking cognizance of the roles of the banking sector, various economies have heavily regulated the banks' activities to mitigate any uncertain risks in turns promote financial stability. The Nigerian banking sector has experienced diverse reforms. Before 2004 reforms, which require a minimum capital base of 25 billion naira for banks, a total of forty-eight banks liquidated between 1995 and 1998 whose licenses were revoked by regulators. The reforms were targeted at achieving diversified, reliable and strongly capitalized institution, which led to the mergers and acquisition of banks from 89 banks to 25 banks as of 2005 (Soludo, 2008).

Nevertheless, deteriorated loan quality has plagued the Nigerian banking sector. In 2009, the non-performing loans are approximately 37% of all loan, which eventually dropped to 2.97% in 2014, which is now approaching 20% as at December 2017 against 5% regulatory threshold coupled with the recession or financial crisis in-between the period while the net value of non-performing loans taken

over by the Assets Management Company of Nigeria (AMCON) is 4.5 trillion naira as of 2016 (Central Bank of Nigeria, 2017). Central Bank of Nigeria set up AMCON in 2010 with the motive to acquire the delinquent loans from troubled banks, which could boost their liquidity level and their recapitalization strategy. With the progressive level of non-performing loans, the regulator that is CBN has introduced a new policy that bank with above 10% non-performing loan ratio is restricted from paying dividends to its shareholders (Udom, Eze, & Inim, 2018).



**Figure 1: Trends of Non-performing Loans in Nigeria**

Source: World Bank Dataset

## LITERATURE AND HYPOTHESES DEVELOPMENT

### *Audit Committee Independence and Non-Performing Loans*

The Sarbanes-Oxley Act states that for audit Committee members to be independent, they should avoid accepting any consulting, advisory, or compensatory fees from the company in which they work for. Cohen & Hanno (2000) further highlight that the presence of an independent audit committee influences the quality of the assessment of risk by the manager significantly. In the light of this, there is a need to focus on the evaluation of the risks related to the banks' assets management in the search to reduce the level of non-performing loans (Houbenova-Delisivkova, 2015). It was further postulated by Houbenova-Delisivkova (2015) that the European Banking Authority emphasized the need of risk assessment of banks' assets in its references for the banking industry in EU in 2013. According to Owolabi & Dada (2011), the Audit committee should not be subject to the control of any dominant personality on the board, Audit Committees should be made up of tough and independent persons. DeFond & Francis (2005) as cited in Owolabi & Dada (2011) established that independent directors are better monitors of management than are inside directors. This was confirmed by Houbenova-Delisivkova (2015) as he noted that the banking crisis in Bulgaria demonstrates the weaknesses in the bank management with

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regard to asset quality and prudential supervision of bank's management of assets and liabilities. In addition, it was found out that full independent audit committees brings about lower debt financing costs which indicates that all the members must be independent before there could be any significant impact. (Anderson, Mansi and Reeb, 2004) as cited in (Aanu, Odianonsen, & Foyeke., 2014). Adhikary & Mitra (2016) postulated that firms that have large boards and more independent non-executive directors are likely to provide more freedom to the audit committee. Freedom of the audit committee declines as the firm size increases. Firms having potential growth opportunities are less likely to provide freedom to their audit committee.

The presence of an independent committee is an hint of the organizations commitment to a good corporate governance (Sommer, 1991) as cited in (Adhikary & Mitra, 2016). Collier (1996) in Adhikary & Mitra (2016) established that audit committee that has non-executive directors in its composition of the firms in UK are more willing to make known information against other firms that do not. This is because the necessity for accounting standards and better disclosures has enlarged due to the nature of lending that has become longer term, which in turn enhances the growth of longer-term lending, where banks take up more credit risk. As a result of this, the significance of having correct and timely data to monitor asset quality through a loan's long life has increased. Bholat, Lastra, Markose, Miglionico, & Sen, (2016) emphasized on the need for independent members in the audit committee. However, the reason for establishing the audit committee would be displaced if executive directors are included in the audit committee. According to Dechow et al. (1996) and Klein (2002) in Angahar & Mejabi (2014), fraudulent financial actions are significantly brought low when autonomous directors are included in the audit through the audit committee. One of the fraudulent activities that increases the rate of non-performing loans is information asymmetry. Kwambai & Wandera (2013) explained that banks in Kenya have been loaning funds to a number of defaulters, because of the banks having dissimilar credit information concerning the borrowers. These debtors are exploiting the information asymmetry to collect numerous loans from the Kenyan banks and defaulting in the long run thus growing the level of nonperforming assets (NPAs) in the banking sector in Kenya. Maria (2012) in Abernathy et al. (2015) established that establishments with more external directors favour independent audit committees to ease information asymmetry between outsiders and insiders allowing control to be effective in management decision. Klein (2002), Carcello and Neal (2000) further argued that audit committee may underperform if sufficient freedom is not given to them which would ultimately lead to their ability to raise questions on the quality of financial reports and whee information assymetry is suspected. Menon & Williams (1994) explained that outside directors improve the effectiveness of audit committee.

*H<sub>0</sub>: The audit committee financial expertise does not affect non-performing loans in Nigerian deposit banks.*

#### ***Audit Committee Meetings and Non-Performing Loans***

The Code of best practice (2003) in Nigeria indorses that the audit committee meets together nothing less than three times in a year. The code also states that the quorum for the audit committee meetings would be subject to on the amount of members in the committee and should be denoted in the terms of reference of the committee. It is also recommended that the audit committee should have a meeting together with the external auditors not less than once in a year, without the presence of the executive

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board members. To carry out its responsibilities, the Committee Chairman shall every year create a calendar of meetings to be ratified by the Board. Additional meetings, as they arise, may be arranged by the Committee Chairman or the Chairman of the Board of directors. According to the Financial Reporting Council (2016), an adequate interval should be permitted between the meetings of the audit committee and central board meetings so as to allow any work coming out from the audit committee meeting to be carried out and to give an account to the board as appropriate. It was established that no individual as side from the audit committee's chairman and its members is permitted to be in attendance at the meeting of the audit committee. It is for the members of the audit committee to agree if non members should appear for a specific meeting or a certain agenda item. It is predictable that the finance director, head of internal audit and the lead partner of the external audit will be invited on a regular basis to show up at meetings. Zhou (2004) in Aanu, Odianonsen, & Foyeke (2014) noted that audit committee meetings function as an imperative mechanism for improving and stimulating corporate governance in organizations. Owolabi & Dada, (2011) recommends that the audit committees should meet recurrently so as to have sufficient time to attend to serious issues that may need their attention. One of such issues is the occurrence fraudulent activities. There is possibility that financial scam would be condensed if the audit committee meets often and carry out its responsibilities as required (Stewart & Munro, 2007). Best practice requires that every board should consider in detail what audit committee arrangements are best suited for its particular circumstances. While all directors have a duty to act in the interests of the company, the audit committee has a particular role, acting independently from the executive, to ensure that the interests of shareholders are properly protected in relation to internal control (Financial Reporting Council., 2016).

*H<sub>0</sub>: The audit committee does not meetings influence non-performing loans in Nigerian deposit banks.*

#### ***Audit Committee Financial Expertise and Non-Performing Loans***

One of the primary characters of the Audit Committee is objective oversight of accounting of the organization (Lindberg, 2004). The concern of financial expertise for at-least one audit committee member was recognized at first under Section 359 (3) and (4) of the CAMA. This was further provided in the SEC code of 2011. According to Lindberg (2004), the financial expert must be able to evaluate the over-all application of GAAP in relation with any accounting reserves estimates or accruals. It was further opined that the know-how in preparing, auditing, analyzing, or evaluating financial statements should be possessed by financial professionals and should also have an understanding not only of inside controls and processes for financial reporting, but as well of sound comprehension of the functions and responsibilities of the Audit Committee. Abernathy et al. (2015) additionally discovered that the source of audit committee members' accounting expertise ought to be carefully considered when seeking to add a director to an audit committee or to engage a director as a chair of the committee. It was further explained that it may be unfeasible to implement a narrow description of financial expertise for the entire audit committee, but evidence has shown that audit committee effectiveness can be heightened by having memberships and chairs who have public accounting experience. Carcello, Hollingsworth, Klein & Neal (2006) opined that allowing a member of an audit committee that has a financial expertise would most likely ease earnings management for firms where the mechanisms of corporate governance are weak. Empirically, Sinkey & Greenwalt (1991) as cited in Messai & Jouini (2013) affirmed that there is a significant positive relationship between the rate of loan losses and internal factors such as

excessive lending, high interest rates. Audit committee members with accounting expertise may help to efficiently resolve this internal factors by monitoring excessive lending and moderating the interest rate. Abbott et al. (2004) cited in Adhikary & Mitra (2016) verified that a substantial relationship that is negative exist between the presence of member an audit committee with financial expertise and the occurrence of statement restatements, which means that the enclosure of a financial expert in the audit committee advances excellent monitoring and firm value. Rationally, more specialists in finance and auditing as the members of audit committee may aid improvement in the whole internal control process of a firm and audit committee 's independence as well. Furthermore, Balasubramaniam (2001) as cited in Sahu & Maharana (2017) propose that, effective internal control systems, good credit appraisal procedures, along with the enhancement in asset quality in the balance sheets have the prospective to bring down NPA in banking sector. In addition, Carcello, Hollingsworth, Klein, & Neal (2012), finds a proof that anomalous accruals reduce after an accounting financial professional enrolls into the audit committee. Sahu & Maharana (2017) pronounces that audit committee financial expertise may be effective in compelling the management of accounting accruals.

*H<sub>0</sub>: The audit committee independence does not influence non-performing loans in Nigerian deposit banks.*

## RESEARCH METHODS

This study adopted an ex-post research design. Data were employed from annual financial reports of 12 quoted banks, which involve the Non-performing loans and audit committee characteristics in terms of audit committee financial expertise, audit committee meetings and audit committee independence. The study estimates model (1) using the pooled Ordinary Least Square with the adjusted standard errors for heteroskedasticity and clustering by firms. In panel data analyze, there is a need to select between the Fixed Effect and Random Effect via the Hausman test. We then perform the Hausman specification test with the null hypothesis that Random Effect would be consistent and efficient while the alternative hypotheses state that Fixed Effect would be consistent and efficient. The estimated Chi-square (Pro>chi<sup>2</sup>) guide our decision to either accept or reject the null hypothesis. Therefore, our Hausman test result accepts the null hypothesis summarized in Table 4 making the Random Effect model consistent and efficient for our analysis.

### *Model Specification*

The mathematical forms of the relationship between the non-performing loans and audit committee characteristics of the listed banks in Nigeria are expressed as follows:

$$NPL_{it} = \beta_0 + \beta_1 ACFE_{it} + \beta_2 ACM_{it} + \beta_3 ACI_{it} + \beta_4 SIZE_{it} + \beta_5 ROA_{it} + \beta_6 LDR_{it} + \beta_7 CAR_{it} + \varepsilon_{it} \dots (1)$$

**Table 1: Description of Variables**

VARIABLES	ACRONYM	MEASUREMENT
<b>Dependent Variable</b>		
Non-performing loans	<i>NPL</i>	The ratio of non-performing loans to total loans and advances expressed in percentage
<b>Independent Variable</b>		
Audit committee Expertise	Financial <i>ACFE</i>	The number of members in the audit committee having financial knowledge and experience in the audit committee.
Audit committee independence	<i>ACM</i>	Number of meetings held.
Audit committee meetings	<i>ACI</i>	The number of independent non-executive director in the audit committee.
<b>Control Variables</b>		
Firm Size	<i>SIZE</i>	The natural logarithms of total asset of the banks
Return on Asset	<i>ROA</i>	Ratio of Profit before tax to Total Assets
Loan to Deposit Ratio	<i>LDR</i>	Ratio of Loans to customers to Deposit of Customers
Capital Adequacy Ratio	<i>CAR</i>	Ratio of Total Tier 1 and Tier 2 capital to Risk-weighted Assets

**Source:** Authors Feld Work.

### Analysis and Presentation of Result

This section revealed the various analyses of results and presentations. The hypotheses stated were rectified and analyzed via descriptive statistics, correlation coefficient and static panel data estimators.

#### *Descriptive Analysis*

The values applied in the analysis as presented in Table 2 is the descriptive statistics that give details on the mid values, maximum, minimum, range, spread and normality of the variables. The value of mean of non-performing loans (NPL) is 0.0473, which had a maximum number of 0.2 with standard deviation of 0.0356 showing a small disparity in that way presenting a low level of flexibility in the non-performing loans of companies. This means that averagely the non-performing loans of the selected banks is 4.7% with the maximum value of 20%, which is above the 5% threshold profound by the Central Bank of Nigeria.

**Table 2. Descriptive Statistics for the Population**

Variables	N	Mean	Standard Deviation	Minimum	Maximum
NPL	60	0.0473	0.0356	0.00872	0.200
ACFE	60	2	1.249	1	5
ACM	60	4.250	1.284	1	8
ACI	60	1.283	0.958	0	3
ROA	60	0.0212	0.0147	-0.0201	0.0594
LDR	60	0.635	0.163	0.0147	1.004
CAR	60	0.181	0.0607	-0.160	0.310
SIZE	60	14.19	0.714	12.41	15.37

Source: Authors' Survey (2018)

Audit Committee Financial Expertise shows an average of 2 with minimum and maximum values of 1 and 5 respectively with a standard deviation of 1.249. This connotes that the selected banks ensure the presence of experts in the formulated audit committee. Audit Committee Meeting exhibits a mean value of 4.250. It has a standard deviation of 1.284, with minimum and maximum value of 1 and 8 respectively. Audit Committee Independence reveals a mean of 1.282. While it has a standard deviation of 0.958, with minimum value of 0 and maximum value.

### Correlation Analysis

**Table 3. Correlation Matrix Table**

	ACFE	ACM	ACI	SIZE	INF	LEND
ACFE	1					
ACM	-0.210	1				
ACI	-0.501***	0.315**	1			
SIZE	0.247*	0.0402	0.0634	1		
INF	0.0383	-0.0347	0.0124	0.0567	1	
LEND	0.215	-0.348**	-0.249*	-0.250*	0.0413	1

Source: Authors' Survey (2018)

\* $p < 0.05$ , \*\* $p < 0.01$ , \*\*\* $p < 0.001$

Table 3 reveals the Pearson correlation matrix for the independent variables adopted in the analysis. The Table indicates low correlation among the variables, which indicate no evidence of multicollinearity in the models.

### Multiple Linear Regression Analysis

The study analyzed the influence of the audit committee characteristics, which was decamped into Audit Committee Financial Expertise, Audit Committee Meeting and Audit Committee Independence on Non-Performing Loans in listed banks in Nigeria using Ordinary Least Square, Fixed Effect and Random Effect. Table 4 reported the relationship between the non-performing and audit committee characteristics

while the appropriate model selection was done using Hausman Test. However, Hausman Test validated the Random Effect Model as the more appropriate model at  $\text{Prob} > \chi^2 = 0.6622$ . By means of the random effect panel analysis, it was deduced that the model is appropriate to draw conclusion based on the  $\text{Prob} > \chi^2$  of 0.00285. From table 4, the coefficient of the financial expertise of audit committee revealed a negative relationship although at insignificance level of 5%. This suggested that the inclusion of financial expertise in audit committee leads to lower level of non-performing loans in listed banks in Nigeria. Although insignificant, the relationship between the audit committee meetings and non-performing loans also revealed a negative relationship. This connotes the effectiveness of the board audit committee meeting to reduce the level of non-performing loans in the listed banks in Nigeria.

**Table 4. Panel Data Analysis of Non-Performing Loan and Audit Committees' Characteristics**

VARIABLES	OLS	Fixed Effect	LSDV	Random Effect
ACFE	-0.00558 (0.00361)	0.0135** (0.00551)	0.0135** (0.00551)	-0.0000911 (0.00410)
ACM	-0.000506 (0.00330)	0.0000953 (0.00362)	0.0000953 (0.00362)	-0.000336 (0.00341)
ACI	0.00644 (0.00465)	0.000655 (0.00660)	0.000655 (0.00660)	0.00486 (0.00499)
SIZE	0.0109 (0.00717)	0.0203 (0.0331)	0.0203 (0.0331)	0.0127 (0.00907)
ROA	-0.736* (0.367)	-0.557 (0.672)	-0.557 (0.672)	-0.603 (0.433)
LDR	-0.0224 (0.0272)	-0.0600 (0.0420)	-0.0600 (0.0420)	-0.0302 (0.0283)
CAR	-0.264*** (0.0846)	-0.380*** (0.110)	-0.380*** (0.110)	-0.277*** (0.0903)
Constant	-0.0243 (0.0980)	-0.150 (0.450)	-0.163 (0.462)	-0.0553 (0.123)
Observations	60	60	60	60
R-squared	0.324	0.395	0.619	
Rmse	0.0311	0.0264	0.0264	0.0280
F-test	3.567	3.820	3.694	
Prob > F	0.00331	0.00279	0.000264	
chi-squared				21.71
Prob > chi2				0.00285
Hausman Test				4.98
Prob>chi2				0.6622

Source: Authors' Survey (2018)

Standard errors in parentheses\*\*\* p<0.01, \*\* p<0.05, \* p<0.1

In same vein, the coefficient of audit committee independence showed a positive influence on non-performing loans. This suggested that the involvement of independence member in audit committee help to mitigate the impact of non-performing loans, although the influence might not be significant.

### **Implications of the Study**

The findings from this study have diverse implications for banks regulators, policy makers, management, governing board and other interested stakeholders. Generally, the result implies and supports the fact there is need to constantly look out for members who possesses strong accounting and financial experience and background to be on board of the audit committee. The more the number of members who possess this requisite the better the oversight functions on internal control and checks. The financial/accounting exposures of audit committee members would enable them to focus on key accounting areas that relates to the granting of loans. More so, members would be armed with the wherewithal to review and engaging the CEO and other directors on strict compliance with credit policies (Ojeka, Iyoha and Obigbemi, 2014). Member's financial knowledge can also assist the board to thoroughly review loan proposals and risk assessment of such submissions that would help in mitigating non-performing loans. The accounting/finance knowledge would help them to ask the right questions and block all loopholes to insider trading. Giving the sophisticated of accounting practices in terms of frequent changes and volatilities in the business environment, there is need to also update the knowledge of audit committee members who do not possess the requisite financial knowledge in the dealing with loan portfolios and risk management.

In addition, in terms of audit committee meetings, it has been established from this study that the more time the audit committee members have to engage in thorough and frequent dialogues, the better the management of non-performing loans. In some cases, the audit committee members really do not have time to meet and even when they meet, it is on frivolous exercise. This study maintains that, enough time must be created to review and put strict measures in place to monitors compliance in a transparent manner to existing policies that guides loan processes. This would help the audit committee members pay rapt attentions to details and would also help to create time to question any shortcoming as it relates to loan management.

Lastly, audit committee independence in this study also shows a positive influence on non-performing loan. When the audit committee is independent, there is likely to have objective reviews of loan application policies and risk assessment. The study poised that only members who are free from bias should be engaged in the committee. It also important to note that, the committee be seen as independent in the eyes of stakeholders, the general public and even the loan applicants. This would reduce personal interests that could result in high margin of non-performing loan in the system.

### **CONCLUSION AND RECOMMENDATION**

This study examined the effect of audit committee characteristics on the non-performing loans in listed banks in Nigeria. The study extracted data from the financial reports of the banks to describe the dependent variable and the explanatory variables. Although the study examined the relationship using

Ordinary Least Square, Fixed Effect and Random Effect, Hausman Test validated the Random Effect Model as the more appropriate model.

The coefficient of the financial expertise of audit committee revealed a negative relationship although at insignificance level of 5%. This suggested that the inclusion of financial expertise in audit committee leads to lower level of non-performing loans in listed banks in Nigeria. This result is consistent with the Carcello, Hollingsworth, Klein, & Neal (2012); Angahar & Mejabi (2014); Sahu & Maharana (2017); Nyor & Mejabi (2013); Adhikary & Mitra (2016).

Although insignificant, the relationship between the audit committee meetings and non-performing loans also revealed a negative influence. In same vein, the coefficient of audit committee independence showed a positive influence on non-performing loans. This suggested that the involvement of independence member in audit committee reduced the level of non-performing loans. This study is therefore consistent with the findings of Sahu & Maharana (2017); Angahar & Mejabi (2014); Nyor & Mejabi (2013); Hamdan, Mushtaha & Al-Sartawi (2013).

This study, therefore, recommends that the Board of directors should ensure that more board members with financial expertise with relevance in risk management should be part of the audit committee to investigate the loan portfolio whenever there is a report of a susceptible increase in non-performing loan. The audit committee should work with other committees like the risk committee to ensure more effectiveness in reducing non-performing loans. Banks should ensure more independent non-executive directors are included as members of the audit committee.

## Reference

- Abernathy, J. L., Beyer, B., Masli, A., & Stefaniak., C. M. (2015). How the Source of Audit Committee Accounting Expertise Influences Financial Reporting Timeliness. *American Accounting Association*, 9(1), P1–P9.
- Abioye, O. (2017, September 20). *Insider Abuse: CBN probing bank directors, says Emefiele*. Retrieved from Invest Advocate: <http://investadvocate.com.ng/2017/09/20/insider-abuser-cbn-probing-bank-directors-says-emefiele.html>
- Adegbe F.F., Akintoye I.R. and Ashaolu, A.O. (2019) Corporate Governance and Financial Stability of Nigeria Quoted Deposit Money Banks. *International Journal of Business and Management Review*. Vol.7, no.5, pp.38-60
- Adhikary, B. K., & Mitra, R. K. (2016). Determinants of audit committee Independence in the financial sector Bangladesh. *Applied finance and Accounting*, 2, 46-56.
- Akingunola, R., Olusegun, A., & oluseyi., A. (2013, November). corporate governance and bank performance in nigeria ( post-bank's consolidation). *European Journal of Business and Social Sciences*, 2, 89-111. Retrieved from URL: <http://www.ejbss.com/recent.aspx>
- Adegboye, A., Ojeka, S. & Adegboye, K. (2020) Corporate governance structure, Bank externalities and sensitivity of non-performing loans in Nigeria, *Cogent Economics & Finance*, 8:1, DOI: 10.1080/23322039.2020.1816611
- American Institute of Certified Public Accountants. (2004). *Internal Control: A Tool for the Audit Committee*. New York, New York.: The AICPA Audit Committee.

- Angahar, P. A., & Mejabi, S. K. (2014). The impact of corporate governance variables on non-performing loans of Nigerian deposit money banks. *Asian Economic and Financial Review*, 1531-1544.
- Basel Committee on Banking Supervision. (1998). *Framework For Internal Control Systems In Banking Organisations*. bank for international settlements. Retrieved from <https://www.bis.org/publ/bcbs40.pdf>
- Bholat, D., Lastra, R., Markose, S., Miglionico, A., & Sen, K. (2016, April ). Non-Performing Loans: Regulatory and Accounting Treatments of Assets. *Bank of England*, 1-79.
- Carcello, J. V., Hollingsworth, C. W., Klein, A., & Neal., T. L. (2012). Audit Committee Financial Expertise, Competing Corporate Governance Mechanisms, and Earnings Management in a Post-SOX World. 1-68.
- coopers, P. W. (2016). Banking on change: How to respond to new expectations for audit committees. *Internal Audit foundations.*, 1-10. Retrieved from [www.pwc.com/fsi](http://www.pwc.com/fsi)
- Financial Reporting Council. (2016). Guidance on Audit Committees. *Financial Reporting Council (FRC)*, 1-15.
- Hamdan, A. M., Mushtaha, S. M., & Al-Sartawi, A. A. (2013). The Audit Committee Characteristics and Earnings Quality: Evidence from Jordan. *Australasian Accounting, Business and Finance Journal*, 7(4), 51-80. doi:10.14453/aabfj.v7i4.5
- Houbenova-Delisivkova, T. (2015). Banks stategies towards Non-performing loans in bulgaria: problems, challenges of the regulations and policies alternatives. . *Economic Research Institute at the Bulgarian Academy of Sciences, Sofia, Bulgaria*, 168-179.
- Institute of chartered accountants of Nigeria ( ICAN). (2014). *Management, Governance and Ethics*. united Kingdom: Emile woolf International.
- Jeanroy, L. (n.d). The role of the Audit Committee in risk management. *Peters Elworthy & Moore Financial strategies for success*, 1-15.
- K.B, M. (2013). Assessing the Factors Contributing to Non –Performance Loans in Kenyan Banks. *European Journal of Business and Management*, 5(32), 155-163.
- Kessey, K. D. (2015). Assessing Credit Risk Management Practices in the Banking Industry of Ghana: Processes and Challenges. *Global Journal of Management and Business Research: C Finance*, 15(6), 1-10.
- Kwambai, K. D., & Wandera., M. (2013, May). Effect of credit information sharing on non-performing loans: The case of kenya, commercial banks in kenya. *European Scientific Journal*, 9(13), 168-193.
- Lindberg, D. L. (2004). *Corporate Governance – The Role of the Audit Committee*. United state of America: Illinois State University.
- Messai, A. S., & Jouini., F. (2013). Micro and Macro Determinants of Non-performing Loans. *International Journal of Economics and Financial Issues*, 3(4), 852-860.
- Mondal, T. (2016). Sensitivity of Non-Performing Loan to Macroeconomic Variables: Empirical Evidence from Banking Industry of Bangladesh. *Global Journal of Management and Business Research: C Finance*, 16(4), 21-28.
- Moses, T. (2016). The impact of audit committee size on the quality of financial reporting in quoted Nigerian Banks. *International Journal of Advanced Academic Research*, 2(5), 62-74.

- Noland, T. G., Nichols, D. L., & Flesher, D. L. (2004). Audit Committee Effectiveness in the Banking Industry. *Management Accounting Quarterly*, 5(3), 1-4.
- Nyong'o, J. N. (2014). The Relationship Between Credit Risk Management And Non-Performing Loans In Commercial Banks in Kenya. Nairobi: *School of Business, University of Nairobi*.
- Nyor, T., & Mejabi, S. K. (2013). Impact of Corporate Governance on Non-Performing Loans of Nigerian Deposit Money Banks. *Journal of Business & Management*, 2(3), 12-21.
- Onakoya, A. B., Ofoegbu, D. I., & Fasanya., I. O. (2014, December). Corporate governance and Bank performance: A pooled study of selected listed banks in Nigeria. *European Scientific Journal*, 8(28), 155-164.
- Ojeka, S.A., Iyoha, F.O., and Asaolu, T. (2015). Audit committee financial expertise: Antidote for financial reporting quality? *Mediterranean Journal of Social Sciences*. Vol 6 (1) 150-160.
- Ojeka S.A, Iyoha F.O. and Obigbemi I.F (2014), Effectiveness of Audit Committee and Firm Financial Performance in Nigeria: An Empirical Analysis", *Journal of Accounting and Auditing: Research & Practice*, Vol. 2014. 1-11.
- Owolabi, S. A., & Dada, S. O. (2011). Audit Committee: An Instrument of Effective Corporate Governance. *European Journal of Economics, Finance and Administrative Sciences*.(35), 174-183. Retrieved from <http://www.eurojournals.com>
- Oyintinane, K. P. (2015). *CEO succession and firms financial performance: a study of selected listed firms in Nigeria*. ota.
- Prabhu, N. (2012). Role of Audit Committee of Banks. *Centre for Advanced Financial Research and Learning*, 1-6.
- Sabre Audit Committee Charter. (2014, October). Sabre Corporation Audit Committee Charter. *Sabre Audit Committee Charter*.
- Sahu, M. M., & Maharana, M. N. (2017, October). Impact of Corporate Governance Practices on Non-Performing Assets (NPA) Management in Indian Public and Private Sector Banks. *Pacific Business Review International*, 10(4), 67-79.
- State Bank of Pakistan. (2010). *Annual Report 2009-10*. Retrieved from <http://www.sbp.org.pk/reports/annual/arFY10/MoneyBanking.pdf>
- Stewart, J., & Munro, L. (2007). Auditor Perceptions of the Impact of Audit Committees and the Frequency of Audit Committee Meetings on the External Audit. *International Journal of Auditing*, 11(1), 51-69.
- Us, V. (2017). Dynamics of non-performing loans in the Turkish banking sector by an ownership breakdown: The impact of the global crisis. *Finance Research Letters*, 20(C), 109–117. <https://doi.org/10.1016/j.frl.2016.09.016>
- Varıcı, İ. (2013). The Relationship between Information Asymmetry and the Quality of Audit: An Empirical Study in Istanbul Stock Exchange. *International Business Research*, 6(10), 132-140.
- Xerox. (2016). Audit Committee charter. *Xerox*, 1-7.
- Yosef, J. (2009). Building a Conceptual Framework: Philosophy, Definitions, and Procedure. *international journal of qualitative measures*, 49-62.