**LIQUIDITY PROBLEMS IN COMMERCIAL BANKS**

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**Abstract**

This study is on liquidity problems in commercial banks. The total population for the study is 200 staff of first bank, Owerri and Aba. The researcher used questionnaires as the instrument for the data collection. Descriptive Survey research design was adopted for this study. A total of 133 respondents made up accountants, human resource managers, customer care officers and marketers were used for the study. The data collected were presented in tables and analyzed using simple percentages and frequencies

**CHAPTER ONE**

**INTRODUCTION**

* 1. **Background of the study**

Banking operation which can be traced back to the early colonial period has helped in economy growth and development of a country. In Nigeria, the existence of commercial banking started with the establishment of African Banking Corporation in 1892. The purpose of this was to distribute British currency in Lagos and other areas or district. In 1894, the British bank for West Africa was formed which took over the functions of the African Banking Corporation. In 1899, Bank of Nigeria later joined the British Bank of West Africa in 1912. In 1917, Barclays Bank was formed; these were the three first commercial banks to operate in Nigeria. First Bank of Nigeria Plc originated from British bank for West Africa the Union Bank of Nigeria Plc originated from British Bank for West Africa, the Union Bank of Nigeria originated from Barclays Bank. Furthermore, indigenous commercial banks were incorporated to commence operation; the first among all was the industrial and commercial banks in 1927, which failed in 1930. Following were the indigenous commercial bank that followed suit. The National Bank of Nigeria 1933 Agbomagbe Bank, now Wema Bank Plc in 1946. After the first banking ordinances in 1952, many banks died off as a result of inability to meet up with the law. But the African Continental Bank and Agbomagbe bank were able to survive the ordinance. Banking is an institution, which accept deposits of money and repays cash on demand. Though it provides many services to their customers, its main objective immediate needs with interest. (i.e.) the banks take from the surplus units and give to the deficit units.  
For the bank to be able to meet the demand of their customers, they have to maintain good liquidity position. The liquidity of bank means the case to which a bank can convert it’s assets into cash. To maintain good liquidity position, banks have to keep adequate volume of non-earning assets the bank, which include. Cash, which is the most liquid assets of the bank, call money treasuring bill, short-term stock certificate of deposit and other short-term measuring instruments in its portfolio.  
Rationale for maintaining liquid assets by banks in its portfolio include:

a. Meeting the reoccurring expenditure and profitable investment opportunities to come in future and also meeting the central bank’s liquidity prescriptions.

b. To meet the demands of the customers

c. Maintaining public confidence.

However, banks like other business are profit oriented, therefore banks should invest in caring assets. Banks could only invest on earning assets when there are enough deposits in the bank. Banks are said to be maintaining profitability position when their earning is high. It is believed that in cause of banks making profit or investing in earning assets bring about liquidity problems in banks.   
Therefore, equilibrium has to be maintain between liquidity and profitability though it’s always a conflicting concept.

Pre independence period

The bank traces its history to 1894 and the bank of British West Africa. It originally served the British Shipping and trading agencies in Nigeria. The found or, Alfred Lewis Jones, was a shipping magnate who originally had a monopoly on importing silver currency into West Africa through his Elder Dempster shipping company according to him without a bank economics were reduced to using barter and a wide variety of mediums of exchange, leading to unsound practices. A bank could provide a secure home for deposits and also a uniform medium of exchange. The bank primarily financed foreign trade, but did little lending to indigenous Nigerians who had little to offer as collateral for loans.

Post independence

In 1957, Bank of British Africa changed its name to Bank of West Africa. After independence in 1960, they began to extend more credits to indigenous Nigerians.  In 1965, standard bank of South Africa acquired Bank of West Africa and changed its acquisition name to standard Bank of West Africa. In 1969, standard Bank of West Africa incorporated it In Nigerian operations under the name standard bank of Nigeria. In 1971 it listed its shares on the floor of Nigerian stock exchange and placed 13% of its share capital with Nigerian investors. Then after the civil war the bank was control by indigenous directors hence it change its name to first bank of Nigeria. Presently the bank is one of the top banks in Africa and one of the largest financial groups in Nigeria. The current chairman is Umarn Metallab the bank is the largest retail lender in the nation, first bank has created a small market for some of its retail clients. At the end of August 2006 the bank had assets to totaling N650 billion Naira ($5 billion dollars). It was also the most highly capitalized stock on the Nigeria stock exchange and had about 10 billion outstanding shares. The bank auditors are Akintola Williams Deloitte and Touche (Chartered accountant). The firm has solid short and long ratings due to its low exposure to non-performing loans.

* 1. **STATEMENT OF THE PROBLEM**

Over the years, Nigeria commercial banks have been facing series of re-capitalization. These ranges from two million (N2000000) to five million (5000000) to 500 million (500.000, 000) and now it is twenty five billion (25,000,000.000).In spite of these, banks have continued to fail in meeting their financial obligations as at when due. People are worried as to whether the liquidity problem in Nigeria banks can be solved. It is on this premise that this research work is carried out. This work is aimed at identifying the problems of liquidity in commercial banks. These problems include:  
1. To what extent are banks faced with liquidity problems.

2. Com adequate liquidity management help bank to get out of distress.

3. To what extent to the loan and advances given out to customers affect the liquidity of commercial banks.

The problems of bad debts and fraud, which have continued to plague the commercial banks liquidity position, problem of excess investment on non-earning assets that affects the profitability and liquidity of commercial banks. In any case this research will attempt to solve the above problems.

**1.3 OBJECTIVE OF THE STUDY**

This research is set out to:

1. Find out the effects of various liquidity problems of commercial banks on their profitability.
2. To find the effects of loans and advances to   
   Customers and their effects on the liquidity of banks and loans policies.
3. To find out the effects of liquidity problem in relation to deposit from customers.

**1.4 RESEARCH HYPOTHESES**

For further proceeds, the hypotheses below have been formulated.   
H0: Liquidity problem in banking system do not affects profitability of commercial banks.

Hi: Liquidity problem in the banking system affects the profitability of commercial banks.

H0: Credit facilities granted to customs do not affect the banks.  
Hi: Credit facility granted to customers affect the liquidity of commercial banks.

**1.5 SIGNIFICANCE OF THE STUDY**

There are some assumptions made in this work which will guide the writer based on the problem as for the purpose of this study, the following assumptions were made:

1. Liquidity in banking systems affects profitability of the bank.

2. Adequate management of liquidity and profitability position enhances efficiency and effectiveness in banking system.

3. Excess profitability position in a banking system affects liquidity position of banks.

4. Equilibrium between profitability and liquidity position reduces problem in banking system.

**1.6 SCOPE AND LIMITATION OF THE STUDY**

The sources of this work are restricted geographically to Owerri and Aba that is to say that the data in this work regarding liquidity problems and management are from Owerri and Aba branches. This research work which is based on the experiences of excess and inadequate liquidity in our commercial bank which is to be considered. The researcher encounters some constrain which limited the scope of the study;

**a) AVAILABILITY OF RESEARCH MATERIAL:** The research material available to the researcher is insufficient, thereby limiting the study

**b) TIME:** The time frame allocated to the study does not enhance wider coverage as the researcher has to combine other academic activities and examinations with the study.

**1.7 DEFINITION OF TERMS**

Money at Call: This is overnight loan granted to banks for the purpose of meeting liquidity pressure on borrowing banks.

Bank Deposits: These are amount outstanding to the credit of the customers of a bank. Bank pays back these deposits on demand.

Bankers Acceptance: These are commercial documents which banks have accepted responsibility to pay in case debtors default.

Treasury Bills: This is a government security: it is a short-term instrument issued with a maturity of 91 days. This is issued by the central bank to control the amount of money in circulation and it used to raise finance for the government.

 Bank Fraud: This is a conscious or deliberate effort aimed of obtaining unlawful financial advantage at the detriment of another person who is the rightful owners of the fund.

Equity/debt Swap: This is an arrangement used for solving debt problems. The bond holder exchanges their debt instruments for equity holding, this converts the creditors to equity holders (share holders).

Liquidity Risk: This is when bank finds it difficult to meet it’s commitments when due and to undertake new transactions when desirable.

Credit Risk: This is the risk on the interest or the principal or both on loan and security will not be paid as agreed.

Liquidity: This is the speed with which assets can be converted into cash

**1.8 ORGANIZATION OF THE STUDY**

This research work is organized in five chapters, for easy understanding, as follows

Chapter one is concern with the introduction, which consist of the (overview, of the study), historical background, statement of problem, objectives of the study, research hypotheses, significance of the study, scope and limitation of the study, definition of terms and historical background of the study. Chapter two highlights the theoretical framework on which the study is based, thus the review of related literature. Chapter three deals on the research design and methodology adopted in the study. Chapter four concentrate on the data collection and analysis and presentation of finding. Chapter five gives summary, conclusion, and recommendations made of the study

**CHAPTER TWO**

**REVIEW OF RELATED LITERATURE**

**2.1 LIQUIDITY**

Liquidity as a term is usually used in many ways. Bank liquidity is how capable a bank is in retaining enough funds to meet its maturing obligations (Greuning & Bratanovic, 2004). How easily one can convert an asset into cash often describes the asset’s liquidity (Berger & Bouwman, 2008).According to Greuning & Bratanovic (2004), liquidity management mitigates two kinds of risks; the first one being that low liquidity levels will lead to attracting other sources of deposits which are expensive and will reduce profitability hence leading to insolvency. The second risk is having high levels of liquidity which will reduce return on assets and eventually lead to low profitability. Commercial banks are profitable due cheap money from their depositors. Depositors will lend the money to the bank at a low interest rate because the banks will be able to let them access the funds and transact at frequent intervals, hence protecting their liquidity position and wealth. If the banks don’t fulfil their obligation to the depositors, the depositors will take back their cheap funds and the banks’ profits will dwindle. A firm should ensure that its liquidity is enough in order to cater for its short-term requirements. Liquidity should be studied with great importance due to its influence on the daily operations of business by both internal and external analysts (Brigham & Gapenski, 1994).The overall goal in liquidity management is to get an efficient balance between profitability and liquidity (Nahum et al.,2007).

2.2 **PROFITABILITY**

Profitability shows the capability of a firm in earning income on its assets. Athanasoglou et al. (2006) indicated that a bank’s profitability is determined by factors which are, firm management decisions and other policy measures set up by the bank i.e. the level of liquidity, amount of capital and level of expenditure. Factors which are external and related to the industry are stock market development, ownership, concentration of the market and other macroeconomic factors. Return on asset and return on equity are among the most highly recommended determinants of bank efficiency and performance according to various research concerning bank profitability and efficiency performance (Erins, 2013). Bourke (1989) emphasized that external and internal factors influenced profitability of commercial banks. The internal factors are net income over the total assets, capital and reserves. Internal factors such as capital structure, deposit mobilized, staff expenditure, liquidity ratios, operating expenditure, investments, asset portfolio mix and loans influence profitability as mentioned in the various research done by Rasiah(Rasiah et al., 2010).The external factors that he mentioned are firm size, rate of interest, regulations, market growth and market share. Gul et al. (2011) mentioned inflation and GDP as external elements and capital, loans, deposits and bank size as the internal elements determining profitability of banks.

# 2.3 THE EFFECT OF LIQUIDITY ON PROFITABILITY

How a bank deals with its expense, funding of loans and making debt payments using only liquid assets, determines its level of liquidity. A bank should have a liquidity level that makes it meet emergency expenses by not selling its assets. Liquidity management is mainly regulating the level of liquidity without disrupting the profits made by the banks (Central Bank of Nigeria CBN, 2012). Profitability and liquidity are very vital in the corporate world. A sufficient level of liquidity is vital for the firm’s profitability. Hence, firms have to get the best liquidity level in order to ensure excellent returns. The essence of managing liquidity is to get an optimum level between the two variables (Raherman et al., 2017). The degree of managing liquidity will be influenced by the complexity of activities and nature of the bank as well as it characteristics and size. A risk management decisional structure, a strategy on funding and operation procedures, a list of exposures to liquidity risk and steps to be taken for planning liquidities in case of a crisis situation, have to be included in a bank policy concerning management of liquidity (Greuning & Brajovic,2004). Eljelly (2004), suggested that liquidity and profitability are excellent measures of the performance and health of all firms which are profit oriented. These two measures are vital to the stakeholders and shareholders who have everything to lose in case of bank closure. Olagunju, Adeyanju, & Oluwayinka, (2011) stated that one of the most important areas of monetary policy implementation is liquidity management while economic management, another area of monetary policy, involves advocating for consistent growth of the economy. Liquidity management is placed upon to maintain a macroeconomic stability to even out the unexpected up and downs in the liquidity growth of the banking system.

**2.4 FINANCIAL PERFORMANCE**

Bank performance is the terms used in relation to its capacity to generate sustainable profitability. For a bank to be successful in its operations, managers must weigh complex trade-offs between growths, return and risk, favouring the adoption of risk-adjusted metrics (Bassey, Tobi, Bassey and Ekwere, 2016). Bank’s performance measure can be classified into traditional, economic and market-based. For example Stern and Stewart developed a model called Economic Value Added (EVA) which takes into account the opportunity cost for stockholders to hold equity in a bank, measuring whether a company generates an economic rate of return higher than the cost of invested capital in order to increase the market value of the company (Raza, Farhan and Akram, 2011). There have been a large number of empirical studies on bank performance around the world especially commercial banks but, very little on bank performance has been done in Nigeria. From the extant literature, researchers have applied several surrogates as metric measures of financial performance of banks. Such metrics according to Buba (2010) include a combination of financial ratios analysis, benchmarking and measuring of performance against budget. Others include return on assets, returns on equity, net interest margin, and a host of others. However, the European Central Bank (ECB, 2010) cautioned that a good performance measurement framework should encompass more aspects of the performance than just profitability embedded in pure market-oriented indicators and should be less prone to the manipulation from the markets. Taken this caveat, this study employed Return on Assets (ROA) as a metric of financial performance. ROA is a key proxy measure frequently used in the literature of bank financial performance. It shows the profit earned per naira of assets and most importantly reflects the management’s ability and efficiency to utilize banks’ financial and real investment resources to generate profits (Hassan & Bashir, 2003). The ROA depends on the bank’s policy decisions as well as on uncontrollable factors relating to the economy and government regulations. Rivard and Thomas (1997) asserted that bank profitability is best measured by ROA because high equity multipliers do not distort it. Guven and Onur (2009) corroborated this view by submitting that researchers focus on and make use of ROA to measure bank profitability to guard against most of the limitations associated with the use of other accounting financial performance proxies. Studying determinants of profitability of commercial banks in Qatar, Elsayed (2013) employed ROA as a proxy measure of bank financial performance the same manner Miko (2010) did in his study of the impact of consolidation on the profitability of banks in Nigeria. Both studies measured ROA as profit before tax over the total assets. Pandey (2009) explained that the appropriate measure of profit is profit before tax because it shows earnings arising directly from the commercial operations of the business without the effect of financing. Given this backdrop, this study measured ROA as the profit before tax divided by total assets and follow Elsayed (2013) and Miko (2010) in employing ROA as a proxy measure of bank profitability.

**2.5 THEORETICAL FRAMEWORK**

Below are the relevant theories to this study:

**Shiftability Theory**

The liquidity management theory focuses on the liability side of bank balance sheet. This theory contends that supplementary liquidity could be derived from the liabilities of a bank. According to Nwankwo (1991) the theory argues that since banks can buy all the funds they need, there is no need to store liquidity on the asset side (liquidity asset) of the balance sheet. Liquidity theory has been subjected to critical review by various authors. The general consensus is that during the period of distress, a bank may find it difficult to obtain the desired liquidity since the confidence of the market may have seriously affected and credit worthiness would invariably be lacking. However, for a healthy bank, the liabilities (deposits, market funds and other creditors) constitute an important source of liquidity. This theory posits that a bank’s liquidity is maintained if it holds assets that could be shifted or sold to other lenders or investors for cash. This point of view contends that a bank’s liquidity could be enhanced if it always has assets to sell and provided the Central Bank and the discount Market stands ready to purchase the asset offered for discount. Thus this theory recognizes and contends that shiftability, marketability or transferability of a bank's assets is a basis for ensuring liquidity. This theory further contends that highly marketable security held by a bank is an excellent source of liquidity. Dodds (1982) contends that to ensure convertibility without delay and appreciable loss, such assets must meet three requisites. Liability Management Theory Liquidity management theory according to Dodds (1982) consists of the activities involved in obtaining funds from depositors and other creditors (from the market especially) and determining the appropriate mix of funds for a particularly bank. This point of view contends that liability management must seek to answer the following questions on how do we obtain funds from depositors, how do we obtain funds from other creditors?, What is the appropriate mix of the funds for any bank? Management examines the activities involved in supplementing the liquidity needs of the bank through the use of borrowed funds

**Liquidity Preference Theory**

Bibow (2005) Keynes describes liquidity preference theory saying that people value money for both "the transaction of current business and its use as a store of wealth. Thus, they will sacrifice the ability to earn interest on money that they want to spend in the present, and that they want to have it on hand as a precaution. On the other hand, when interest rates increase, they become willing to hold less money for these purposes in order to secure a profit. Elgar (1999) One needs money because one has expenditure plans to finance, or is speculating on the future path of the interest rate, or, finally, because one is uncertain about what the future may have in store so it is advisable to hold some fraction of one’s resources in the form of pure purchasing power. These motives became known as transactions-, speculative and precautionary motives to demand money. The banks‟ liquidity preference approach suggests that banks pursue active balance sheet policies instead of passively accommodating the demand for credit

2.6 **EFFECT OF LIQUIDITY ON PROFITABILITY**

Raheman and Nasr (2007) revealed a negative relationship between liquidity and profitability as well as a significant negative relationship between debts used by the firms and its profitability in a study which had average collection period, inventory turnover in days, average payment period, cash conversion cycle, current ratio, size of firm, and financial assets to total assets ratio as independent variables and net operating profit as the dependent. Benjamin and Kamalavali (2006) had current ratio, quick ratio, inventory turnover ratio, working capital turnover ratio, debtor’s turnover ratio, ratio of current asset to total asset, ratio of current asset to operating income, comprehensive liquidity index, net liquid balance independent variables while the dependent variable was return on investment (ROI) in an investigation that revealed a negative association between ROI and current ratio, cash turnover ratio, current asset to operating income and leverage. There was a positive association between ROI and quick ratio, debtor’s turnover ratio, current asset to total asset and growth rate. Konadu (2009) did a study on liquidity and profitability: empirical evidence from listed banks in Ghana. The objective of the study is to determine the liquidity trend of selected banks, to ascertain the profitability trend of the selected banks and to establish and analyze the relationship between the banks liquidity and profitability levels from 2002 to 2006. The researcher considered only banks listed on the Ghanaian stock exchange. The banks randomly selected were Standard Chartered Bank Ghana Ltd, Cal Bank Ltd and SG-SSB Ltd. The study the researcher considered current ratio, quick ratio, cash ratio, net operating cash flow ratio under liquidity ratios. Profitability ratios comprise of net profit margin, return on equity, return on assets and net asset turnover ratios. The researcher employed trend analysis to achieve the set objectives. The researcher found no positive relationship between liquidity trend and profitability. The research paper concluded that there is a negative relationship between liquidity and profitability in the Ghana banking sector. Adebayo, Nworji and David(2011) examined liquidity management and commercial banks’ profitability in Nigeria. Findings of this study indicate that there is significant relationship between liquidity and profitability. That means profitability in commercial banks is significantly influenced by liquidity and vice versa. Saleem and Rehman (2011) sought to reveal the relationship between liquidity and profitability. The main results of the study demonstrate that each ratio (variable) has a significant effect on the financial positions of enterprises with differing amounts and that along with the liquidity ratios in the first place. Profitability ratios also play an important role in the financial positions of enterprises. Agbada and Osuji(2013) examined empirically the effect of efficient liquidity management on banking performance in Nigeria. Findings from the empirical analysis were quite robust and clearly indicate that there is significant relationship between efficient liquidity management and banking performance and that efficient liquidity management enhances the soundness of bank. Al-Tamimi and Obeidien (2013) identified the most important variables which affect the Capital Adequacy of Commercial Banks of Jordan in Amman Stock Exchange for the period from 2000 –2008. The study shows that there is a statistically significant positive correlation between the degree of capital adequacy in commercial banks and the factors of liquidity risk, and the return on assets, and there is an inverse relationship not statistically significant between the degree of capital adequacy in commercial banks and factors of the capital risk, credit risk, and the rate of force- revenue. Ibe (2013) examined the effect of liquidity management on the profitability of banks in Nigeria. He found that liquidity management is indeed a critical issue in the banking sector of Nigeria. Lartey, Antwi, Boadi (2013) sought to find out the relationship between the liquidity and the profitability of banks listed on the Ghana Stock Exchange. It was found that for the period 2005-2010, both the liquidity and the profitability of the listed banks were declining. Again, it was also found that there was a very weak positive relationship between the liquidity and the profitability of the listed banks in Ghana. Moein Addin (2013) investigated the relationship between modern liquidity indices and stock return in companies listed on Tehran Stock Exchange. Results indicated that there was a positive and significant relationship between comprehensive liquidity index and stock returns while there was no significant relationship between the index of cash conversion cycle as well as net liquidity balance and sock returns. Almazari (2014) investigated the internal factors that have an effect on profitability in Saudi and Jordanian banks. He found that there is a positive correlation between profitability measured by ROA of Saudi and Jordanian banks with some liquidity indicators, as well as there is a negative correlation with other liquidity indicators between profitability measured by ROA of Saudi and Jordanian banks.

2.7 **EFFECT OF LIQUIDITY ON RETURN ON CAPITAL**

Nimer, Warrad and Omari (2013) did a study on the impact of Jordanian Banks profitability through their return on assets. Bank profitability is the ability of a bank to generate revenue in excess of cost, in relation to the bank’s capital base. This study sought to find out whether liquidity through quick ratio has significant impact on Jordanian banks profitability through return on asset (ROA).The study noted that a profitable banking sector is better able to resist negative impact and share in to the stability of the financial system. The study used the 2005- 2011 financial reports of 15 Jordanian banks listed at Amman Stock Exchange (ASE). The return on assets (ROA) compares income with total assets (equivalently, total liabilities and equity capital). The independent variable in this was the quick ratio i.e. Cash +Short-term marketable investments +Receivables divided by current liabilities. A simple regression was done to examine the study hypotheses. The study revealed that there is significant impact of independent variable quick ratio on dependent variable return on asset (ROA). That means profitability through return on assets (ROA) in Jordanian banks is significantly influenced by liquidity through quick ratio. Ibe (2013) studies the impact of liquidity management on profitability on banks in Nigeria. The work was necessitated by the need to find solution to liquidity management problem in Nigerian banking industry. Three banks were randomly selected to represent the entire banking industry in Nigeria. The proxies for liquidity management include cash and short term fund, bank balances and treasury bills and certificates, while profit after tax was the proxy for profitability. Elliot Rothenberg Stock (ERS) stationary test model was used to test the run association of the variables under study while regression analysis was used to test the hypothesis. The result of this study has shown that liquidity management is indeed a crucial problem in the Nigerian banking industry. Emami , Ahmadi and Tabari(2013) studied the effect of liquidity risk on the performance of commercial banks in Iran. This study attempts to examine the effect of liquidity risk on the performance of commercial banks using of panel data related to commercial banks of Iran during the years 2003 to 2010. In the estimated research model, two groups of bank-specific variables and macroeconomic variables are used. In this research, the performance of fifteen Iranian banks is examined during an eight-year period from 2003 to 2010 using of panel data. The required data is drawn from the studied banks and the data related to macroeconomic variables including the growth of gross domestic product, consumer price index are drawn from central bank's site in order to calculate the inflation ratio. To determine the kind of estimation method in panel data, different tests are used. To select between common effects and the fixed effects, Limner's F-test was used and to select one of the model for the fixed effects against the random effects, Haussmann test was used. The study found that liquidity risk has a significantly negative effect on both criteria of the performance i.e. return on asset and return on equity. It means that liquidity risk will cause to weaken the performance of bank. Maaka (2013) studied the relationship between liquidity risk and performance of commercial banks in Kenya. The objective of the study was to investigate liquidity risks faced by commercial banks in Kenya and establish the relationship between liquidity risk and the performance of banks in Kenya. The study adopted correlation research design where data was retrieved from the balance sheets, income statements and notes of 33 Kenyan banks during 2008-2012. Multiple regressions were applied to assess the impact of liquidity risk on banks‟ profitability. Data was collected from annual reports submitted to the NSE and Capital Markets Authority. The F- test was used to determine the significance of the regression while the coefficient of determination, R2, was used to determine how much variation in Y is explained by X. The findings of the study were that profitability of the commercial bank in Kenya is negatively affected due to increase in the liquidity gap and leverage. Kurawa and Abubakar (2014) examined the impact of liquidity on banks’ profitability in Nigeria. The systematic random sampling method was adopted to select five banks over the period 2003 – 2012. The linear regression analysis was used to reveal the absence of a significant impact between liquidity and profitability among banks in Nigeria.

**2.8 LIQUIDITY COMPONENTS**

Liquidity consists of the Vault Cash, Balances Held With CBN, Balances Held With Other Banks in Nigeria, Balances Held With Offices & Branches outside Nigeria, Money at Call in Nigeria, Inter-bank Placement, Placement with Discount Houses, Treasury Bills, Treasury Certificates, Investment in Stabilization Securities, Bills Discounted Payable in Nigeria, Negotiable Certificates of Deposits, Bankers Acceptances and Commercial Papers, Investments in FGN Development Stock and Industrial (Other) Investments (Olagunju, et al., 2011). It is imperative for banks to have adequate and sufficient proportions of these liquid components as it helps mitigate funding risk, compensation for the non-receipt of inflow of funds if the borrower(s) fail to meet their commitments, and risk arising from calls to honour maturing obligations Nwankwo (1991). Inadequate liquidity culminates in the compulsion to liquidate assets at unfavourable prices which could instigate losses. Liquidity shortfalls also erode customers’ confidence, leading to bank runs which could expose the bank to unnecessary borrowing from the Central Bank at which eventually subjects the bank to heightened scrutiny.

**2.9 MEASUREMENT OF LIQUIDITY IN DEPOSIT MONEY BANKS**

An accurate measurement of liquidity require going beyond technical liquidity indicated by the stock flow approach to the assessment of the stock of circumstances likely to place under certain pressure that could in return affect its worth in the market place. This is to say that liquidity could be measured as a stock at a particular point in time or as a flow over time. However, due to analytical complexities, the former which constitute of loan-deposit ratio, cash reserve ratio, liquidity ratio, etc is commonly adopted. The loan/deposit ratio as a measure of liquidity compares the aggregate value of loans with the total deposit. A high ratio is indicative of liquidity contraction, while a low ratio indicates the contrary (Nwankwo, 1991). The liquidity ratio is another measure for liquidity which is computed as a proportion of banks current liabilities such as deposit liabilities, short-term interbank loans, net balance with foreign branches and free balance with the central bank. The loan to liabilities ratio is also a measure of liquidity. It is an approach that recognises that liabilities other than deposit ratio represent potential drain on bank funds (Ibe, 2013). The liquid asset ratio is another tool for measuring liquidity. It allows assets to be selected on the basis of their liquidity, notwithstanding whether they are loans or investments. Furthermore, Cash ratio is another measure of liquidity. Ibe (2013), posits that the cash ratio is particularly effective for sterilizing excess liquidity in the banking system as it can be effectively monitored by the regulating authorities. Under cash ratio, liquid assets are related directly to deposits, rather than to loans and advances that constitute the most liquid illiquid of banks assets. Emefiele (2015) asserts that the main measures of liquidity in Nigeria are the Cash Reserve Ratio (CRR), the Liquidity Ratio (LR), and the Loan-to – Deposit Ratio.

**CHAPTER THREE**

**RESEARCH METHODOLOGY**

* 1. **Research design**

The researcher used descriptive research survey design in building up this project work the choice of this research design was considered appropriate because of its advantages of identifying attributes of a large population from a group of individuals. The design was suitable for the study as the study sought to liquidity problems in commercial banks

* 1. **Sources of data collection**

Data were collected from two main sources namely:

(i)Primary source and

(ii)Secondary source

**Primary source:**

These are materials of statistical investigation which were collected by the research for a particular purpose. They can be obtained through a survey, observation questionnaire or as experiment; the researcher has adopted the questionnaire method for this study.

**Secondary source:**

These are data from textbook Journal handset etc. they arise as byproducts of the same other purposes. Example administration, various other unpublished works and write ups were also used.

* 1. **Population of the study**

Population of a study is a group of persons or aggregate items, things the researcher is interested in getting information on liquidity problems in commercial banks. 200 staff of first bank in Owerri and Aba were selected randomly by the researcher as the population of the study.

* 1. **Sample and sampling procedure**

Sample is the set people or items which constitute part of a given population sampling. Due to large size of the target population, the researcher used the Taro Yamani formula to arrive at the sample population of the study.

n= N

1+N (e) 2

n= 200

1+200(0.05)2

= 200

1+200(0.0025)

= 200 200

1+0.5 = 1.5 = 133.

**3.5 Instrument for data collection**

The major research instrument used is the questionnaires. This was appropriately moderated. The secretaries were administered with the questionnaires to complete, with or without disclosing their identities. The questionnaire was designed to obtain sufficient and relevant information from the respondents. The primary data contained information extracted from the questionnaires in which the respondents were required to give specific answer to a question by ticking in front of an appropriate answer and administered the same on staff of the two organizations: The questionnaires contained structured questions which were divided into sections A and B.

* 1. **Validation of the research instrument**

The questionnaire used as the research instrument was subjected to face its validation. This research instrument (questionnaire) adopted was adequately checked and validated by the supervisor his contributions and corrections were included into the final draft of the research instrument used.

* 1. **Method of data analysis**

The data collected was not an end in itself but it served as a means to an end. The end being the use of the required data to understand the various situations it is with a view to making valuable recommendations and contributions. To this end, the data collected has to be analysis for any meaningful interpretation to come out with some results. It is for this reason that the following methods were adopted in the research project for the analysis of the data collected. For a comprehensive analysis of data collected, emphasis was laid on the use of absolute numbers frequencies of responses and percentages. Answers to the research questions were provided through the comparison of the percentage of workers response to each statement in the questionnaire related to any specified question being considered.

Frequency in this study refers to the arrangement of responses in order of magnitude or occurrence while percentage refers to the arrangements of the responses in order of their proportion. The simple percentage method is believed to be straight forward easy to interpret and understand method.

The researcher therefore chooses the simple percentage as the method to use.

The formula for percentage is shown as.

% = f/N x 100/1

Where f = frequency of respondents response

N = Total Number of response of the sample

100 = Consistency in the percentage of respondents for each item

Contained in questions

**CHAPTER FOUR**

**PRESENTATION ANALYSIS INTERPRETATION OF DATA**

**4.1 Introduction**

Efforts will be made at this stage to present, analyze and interpret the data collected during the field survey. This presentation will be based on the responses from the completed questionnaires. The result of this exercise will be summarized in tabular forms for easy references and analysis. It will also show answers to questions relating to the research questions for this research study. The researcher employed simple percentage in the analysis.

**DATA ANALYSIS**

The data collected from the respondents were analyzed in tabular form with simple percentage for easy understanding.

A total of 133(one hundred and thirty three) questionnaires were distributed and 133 questionnaires were returned.

Question 1

Gender distribution of the respondents.

TABLE I

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Gender distribution of the respondents** | | | | | |
| Response | | Frequency | Percent | Valid Percent | Cumulative Percent |
| Valid | Male | 77 | 57.9 | 57.9 | 57.9 |
| Female | 56 | 42.1 | 42.1 | 100.0 |
| Total | 133 | 100.0 | 100.0 |  |

From the above table it shows that 57.9% of the respondents were male while 42.1% of the respondents were female.

Question 2

The positions held by respondents

TABLE II

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **The positions held by respondents** | | | | | |
| Response | | Frequency | Percent | Valid Percent | Cumulative Percent |
| **Valid** | Accountants | 37 | 27.8 | 27.8 | 27.8 |
| HRMs | 50 | 37.6 | 37.6 | 65.4 |
| Customer care officers | 23 | 17.3 | 17.3 | 82.7 |
| Marketers | 23 | 17.3 | 17.3 | 100.0 |
| Total | 133 | 100.0 | 100.0 |  |

The above tables shown that 37 respondents which represents27.8% of the respondents are accountants 50 respondents which represents 37.6 % are human resources managers 23 respondents which represents 17.3% of the respondents are customer care officers, while 23 respondents which represent 17.3% of the respondents are marketers

**TEST OF HYPOTHESES**

Liquidity problem in banking system do affects profitability of commercial banks

**Table III**

|  |  |  |  |
| --- | --- | --- | --- |
| **Liquidity problem in banking system do affects profitability of commercial banks** | | | |
| Response | Observed N | Expected N | Residual |
| Agreed | 40 | 33.3 | 6.8 |
| strongly agreed | 50 | 33.3 | 16.8 |
| Disagreed | 26 | 33.3 | -7.3 |
| strongly disagreed | 17 | 33.3 | -16.3 |
| Total | 133 |  |  |

|  |  |
| --- | --- |
| **Test Statistics** | |
|  | Liquidity problem in banking system do affects profitability of commercial banks |
| Chi-Square | 19.331a |
| Df | 3 |
| Asymp. Sig. | .000 |
| a. 0 cells (0.0%) have expected frequencies less than 5. The minimum expected cell frequency is 33.3. | |

Decision rule:

There researcher therefore reject the null hypothesis that Liquidity problem in banking system do not affects profitability of commercial banks as the calculated value of 19.331 is greater than the critical value of 7.82

Therefore the alternate hypothesis is accepted that state Liquidity problem in banking system do affects profitability of commercial banks

**TEST OF HYPOTHESIS TWO**

Credit facilities granted to customs do affect the banks.  
 Table V

|  |  |  |  |
| --- | --- | --- | --- |
| **Credit facilities granted to customs do affect the banks.** | | | |
| Response | Observed N | Expected N | Residual |
| Yes | 73 | 44.3 | 28.7 |
| No | 33 | 44.3 | -11.3 |
| Undecided | 27 | 44.3 | -17.3 |
| Total | 133 |  |  |

|  |  |
| --- | --- |
| **Test Statistics** | |
|  | Credit facilities granted to customs do affect the banks. |
| Chi-Square | 28.211a |
| Df | 2 |
| Asymp. Sig. | .000 |
| a. 0 cells (0.0%) have expected frequencies less than 5. The minimum expected cell frequency is 44.3. | |

Decision rule:

There researcher therefore reject the null hypothesis that state Credit facilities granted to customs do not affect the banks as the calculated value of 28.211 is greater than the critical value of 5.99

Therefore the alternate hypothesis is accepted that state that Credit facilities granted to customs do affect the banks.

**CHAPTER FIVE**

**SUMMARY, CONCLUSION AND RECOMMENDATION**

**5.1 Introduction**

It is important to ascertain that the objective of this study was to ascertain liquidity problems in commercial bank

In the preceding chapter, the relevant data collected for this study were presented, critically analyzed and appropriate interpretation given. In this chapter, certain recommendations made which in the opinion of the researcher will be of benefits in addressing the challenges of liquidity problems in commercial bank

* 1. **Summary**

This study was on liquidity problems in commercial bank. Three objectives were raised which included: Find out the effects of various liquidity problems of commercial banks on their profitability. To find the effects of loans and advances to Customers and their effects on the liquidity of banks and loans policies, to find out the effects of liquidity problem in relation to deposit from customers. In line with these objectives, two research hypotheses were formulated and two null hypotheses were posited. The total population for the study is 200 staff of first bank, Owerri and Aba. The researcher used questionnaires as the instrument for the data collection. Descriptive Survey research design was adopted for this study. A total of 133 respondents made up accountants, human resource managers, customer care officers and marketers were used for the study. The data collected were presented in tables and analyzed using simple percentages and frequencies

* 1. **Conclusion**

From the results of data analyses this study draws the following conclusions. First, an increase in liquidity management leads to increase in financial performance. Second, liquidity management is a very important aspect of bank management.

**5.4 Recommendation**

Below are the recommendations of the study:

1. The need to replace being practiced in the advance economies of the world. Investing on human capital may be beyond just employees but also frequently creating an interactive forum where bank clients could be sensitize on a variety of activities they indulge in that are capable of hindering effective liquidity management.

2. The need to invest on human capital by banks as it offers the highest returns in terms of increasing performance and it also enhances the level of competence of the employee.

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**QUESTIONNAIRE**

**INSTRUCTION**

Please tick or fill in where necessary as the case may be.

Section A

1. Gender of respondent

A male { }

B female { }

1. Age distribution of respondents
2. 15-20 { }
3. 21-30 { }
4. 31-40 { }
5. 41-50 { }
6. 51 and above { }
7. Marital status of respondents?
8. married [ ]
9. single [ ]
10. divorce [ ]
11. Educational qualification off respondents
12. SSCE/OND { }
13. HND/BSC { }
14. PGD/MSC { }
15. PHD { }

Others……………………………….

1. How long have you been in first bank
2. 0-2 years { }
3. 3-5 years { }
4. 6-11 years { }
5. 11 years and above……….
6. Position held by the respondent in first bank
7. Accountant { }
8. HRM { }
9. Customer care officer { }
10. Marketer { }
11. How long have you been in first bank
12. 0-2 years { }
13. 3-5 years { }
14. 6-11 years { }
15. 11 years and above……….

SECTION B

1. Excess cash liquidity does not have a significant impact on the profitability of Nigeria banks?
2. Agrees { }
3. Strongly agreed { }
4. Disagreed { }
5. Strongly disagreed { }
6. Shortage in cash liquidity does not have a significant impact on the profitability of Nigerian banks?

(a) Agrees { }

(b) Strongly agreed { }

(c) Disagreed { }

(d) Strongly disagreed { }

1. Loans and advances do not have significant impact on the profitability of Nigerian banks.
2. Agreed { }
3. Strongly agreed { }
4. Disagreed { }
5. Strongly disagreed { }
6. loans and advances affect the profitability of Nigerian banks
7. Agreed { }
8. Strongly agreed { }
9. Disagreed { }
10. Strongly disagreed { }
11. excess cash liquidity affect the profitability of Nigerian banks
12. Agreed { }
13. Strongly agreed { }
14. Disagreed { }
15. Strongly disagreed { }
16. There is nothing like liquidity
17. Agreed { }
18. Strongly agreed { }
19. Disagreed { }
20. Strongly disagreed { }
21. First bank is the best in Nigeria?
22. Agreed { }
23. Strongly agreed { }
24. Disagreed { }
25. Strongly disagreed { }
26. Measurement of Liquidity in Deposit Money Banks
27. Agreed { }
28. Strongly agreed { }
29. Disagreed { }
30. Strongly disagreed { }
31. Staff of first bank are active
32. Agreed { }
33. Strongly agreed { }
34. Disagreed { }
35. Strongly disagreed { }