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Does the introduction of Treasury Single Account (TSA) improve on the performance of Deposit Money Banks in Nigeria?

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ABSTRACT

The study examined the impact the introduction of the Treasury Single Account has on the performance of some deposit money banks in Nigeria. The study employed Panel data model in its analysis with focus on three deposit money banks in Nigeria The scope was between 2004 to 2019. The findings show that the withdrawal of Federal government accounts from deposit money banks have positive and significant impact on the asset quality but negative and non-significant impact on the total capital and total deposit of these selected Nigerian banks. It is therefore recommended that managers of banks be proactive and embrace core banking practice in their intermediary roles for improve performance and economic growth.

Keywords: Treasury, Single, Account, Deposit, Money and Banks

INTRODUCTION

The introduction of the treasury single account (TSA) and the saving of five billion naira as a consequence by the then government of Goodluck Jonathan in 2012 was said to have resulted into passing into law such directives for its full implementation in 2015 by the succeeding regime [1,2,3]. Treasury Single Account was a public accounting system that was brought into public space to enhance transparency and accountability in the management of public funds and grow the economy [4,5,6]. Prior to its coming into effect, banks in Nigeria were said to be taken advantage of cash balances in the MDA accounts scattered in such banks while government went about a borrowing both within and outside in other to execute some development [7,8,9,10].But with implementation of this policy, ministries, departments and agencies balances that were hitherto at the beck and call of these banks were mopped up and transferred to government account domiciled with the Central Nigeria Bank of thereby hampering the intermediation role banks

play in an economy. Unarguably, economic status of any nation depends on the development of its banking system Banks are the catalysts upon which other economic activities revolve [11,12,13,14]. also provide other important benefits to the community and facilitate the objectives of financial liberalization. Banks are central to the efficient payment system and the means by which monetary policy of government is implemented [15.16].On the other hand. introduction of a treasury single account government is said precondition for efficient management and a productive instrument for the ministry of finance/treasury to establish oversight and control over government's cash resources [17,18]. This is due to the fact that treasury single account ensures accountability of government revenue. enhance transparency and prevent expropriation of public funds. Through this bank account or set of linked bank accounts, government transacts all its receipts and payments and gets

consolidated view of its cash position at any given time [19]. TSA helps ministry of finance to ensure that proper management of funds available to the nation's treasury. It is in the light of the

LITERATURE REVIEW

Treasury single account is said by [21] to have occupied a sizeable part of global public sector accounting and finance in the past two decades. It is the functioning of the system of budget execution that is carried out taking into account a number of fundamental and traditional principles that include but not limited to the organization and building of a budget system. Some of its basic principles as reflected in the legislation of some federal and unitary states include sources of financing the deficit budget, budgeting transparency and the principle separation of revenues expenditures among others. Again, [22], posits that treasury single account is a public accounting system that contains all government revenue, receipts and income that is usually maintained by the country's Central Bank and through which all payments are made. [23], posits that the implementation of TSA by each country depends on the stage of the quality of its institutions and financial development and communications infrastructure and the degree of maturity of its banking system. [24] posits that in the implementation of TSA, government agencies are not to operate bank account outside the purview and oversight of the treasury. [25], argues that treasury single account as a public accounting system uses a single account or a set of linked accounts by government to ensure that

Although banking institutions is said to become increasingly complex. earnings and efficiencies are some of the driving force of their performance [12] argues that profitability is still the determinant of efficiency of firms despite some arguments against its use to determine profitability. The solvency of a bank is therefore at risk when its assets become impaired. The quality of assets is needed to be evaluated to know thir ability and performance. Credit risk is the risk of default in loan repayment and is

above that this paper aims to investigate the impact of treasury single account in the performance of deposit money banks in Nigeria [20].

all revenue receipts and payments are done through a consolidated revenue account of the Central Bank of Nigeria. [26], argue that treasury single account is unified structure through which government bank accounts consolidated for optimal use. [24], regards TSA as one of the financial government policies of for consolidation of all revenues from all ministries, departments and agencies in country through deposits the commercial banks into a single account at the Central Bank of the country. [20], is in agreement TSA is e-collection initiative that will automate revenue collection of ministries, departments and agencies federal directly into government independent consolidated revenue fund account of CBN through the remita e collection platform and other electronic payment channels. [16], explain that Treasury Single Account (TSA) network of subsidiary accounts all linked to a main account such that, transactions are impacted in the subsidiary accounts but closing balances on these subsidiary accounts are transferred to the main account, at the end of each business day. The implication according to [14] was that TSA will provide for proper monitoring of government receipts and expenditure and its implementation will help to block most, if not all, the leakages that have bane of the been the economy. Financial Performance Measurement (Assets Quality)

> inherent in lending which is the major banking business.Indicators of evaluation of assets According to [11] include: Managerial Quality: It measures competence of the staff management of a bank which can be deduced from the performance indices. However, [14] posits that it is necessary to check qualifications (Academic and Professional) as well as experience of the top management as banks with quality staff will be more efficient and be less likely to drift towards distress. Added to

that is the quality of bank deposit which is measured by taking the natural log of the total banking sector deposits for the period. This according to [10] is that in any deposit insurance scheme,

Capital Adequacy

This determines how well banks can cope with shocks on their balance sheets. It measures the bank's solvency. Capital adequacy of a bank is measured in relation to the relative risk weights assigned to the different categories of assets held both on and off balance sheet items [8]. [7], posits that capital adequacy allows a bank to absorb losses and still

TSA Policy appears to be Counter-productive

There is currently a debate on whether the motive of TSA policy could achieve the intended motive of stemming the tide of corruption identified mostly in the ministries, departments and (MDAs), through the adopted approach so as to yield the expected result. According this school of thought, the approach currently adopted by the government will squeeze the utility flow as banks may no longer be in a position to perform its primary function of providing funds to stimulate businesses and economic growth. Arguing further, they posit that the cost of capital may be at the double digit as funds may no longer be available for economic activities. Contrary to this, the other school of thought argues that

Treasury Single Account (TSA) and the Banking Industry

In Nigeria, commercial banks have been the custodians of government funds with which they do on-lending activities to earn profit [5]. Banks also discharge other activities to the society. Therefore, with the introduction of treasury single account, banks will be deprived of the free flow of funds from ministries fragmented, hitherto, in various commercial bank accounts. Indeed, it is estimated that commercial banks hold about N2.2 trillion public sector funds at the beginning of the first quarter of 2015 which helped to boost the liquidity base of banks in the financial economic sub-sector. It will be obvious to note that the lending portfolio of some deposit money banks in the sector may be adversely impaired when such huge amount of money leaves the system into a consolidated at the central custody of the Central Bank. On the other hand, when one considers the fact that each time the amount of coverage matters as coverage is determined by total banking deposits and it ultimately affects market discipline by ensuring that depositors are protected.

keeps running its daily business operations even under financial distress condition. This work is therefore anchored on these works with slight modifications. Three ratios are often used to evaluate capital adequacy.

a Equity /total assets-

b.Equity /total loans

c. Equity + loan loss reserve /losses.

government's anticipation would be realized so long as the players play to the rule and the government agency responsible lead by example bearing in mind that the challenge TSA posed by the directive is compliance, but how many of these agencies government are religiously committed to actually remitting accurate account of receipts/transfers to the treasury single account domiciled at CBN as the true income generated. It is in view of this that this researcher steps forward to evaluate how far the introduction of treasury single account will impact on the performance of three listed deposit money banks in Nigeria so as to be guided in the debate [3].

monthly federal allocation is released, the banking system is usually awash with liquidity, and as soon as this public sector fund dries up, the result is liquidity problem with an increase in interbank rates. The banks must be affected, when such high revenue generating parastatals like the NNPC moves out of commercial banks [8]. Commercial banks will be tremendously affected by the Treasury Single Account policy. This would cause insufficiency of available cash dispersal in the banking system, thereby resulting to the surge in money market for rescue as a source for funds at unfriendly rates to contain their liquidity shocks. In the study conducted by [8], the major challenges hampering the impactive and efficient implementation of the Treasury Single Account (TSA) policy also pointed to the inability of federal government to remit appropriately to the

various MDAs, uncertainties underlying federal government inactions. With the high Monetary Policy Rate at 13%, Cash Reserve Ratio (CRR) at 20% and 75% available for and public sector deposits respectively, the implementation of the Treasury Single Account policy would not be favourable to banks. Consequently, the policy will unwittingly compel the banks to realign their operational strategies and focus targets now on funds mobilization on the real sector of the economy, rather than placing much attention on Federal Government Oil projects, Gas Transactions, Forex dealings, etc. Anv commercial bank that fails to operate based on the core banking functions for which they were licensed must definitely close shop. This will cause heavy downsizing of staff, thereby increasing the unemployment rate in the country. Managements of banks should understand the aim of establishing banks. The Government establishments

Stakeholder Theory

It assumed that adoption of Treasury Single Account by the federal government is as a result of the pressure from stakeholders/citizens majorly against the endemic corruption that had apparently crippled the volume of revenue returns by the government Ministries, Departments and Agencies in the treasury.It suggested that the government will responds to the

Public Finance Management Theory

In Nigeria, this theory assumed that all aspects of financial resources, mobilization and expenditure should be well managed in government for the benefits of the citizenry. It is on the basis of this trust that the citizens feel obliged to respect the duty of payment of taxes and levies as obligations owed to the governments in the country at all levels. It includes resources mobilization, prioritization of programmes, the budgetary

Modern Money Theory (MMT)

It a theory that explains how sovereign governments are expected to operate responsibly on monetarily matters in order to sustain public confidence and appreciably make their positive impacts on the economy. It shows that it is relevant to aggregate the views of the citizenry in good governance. This study adopted Stakeholder

(MDAs) are not the only clients of banks. The issue of banks chasing government money at the expense of other clients especially in the sector of the economy is a questionable commentary on performance of the banks [9]. The full implementation of the TSA will certainly reduce the banks' net liquidity position and hence constrain their ability to create credits invariably affect their this will profitability [10]. The full implementation of the TSA will not be hurting banks. It will only hurt establishments that purport and pretend to be banks but have failed, refused and neglected to understand banking and do what bankers do elsewhere. It is an opportunity for banks to refocus on the original purposes for which they were set up to collect depositors' funds, keep them safe; engage in intermediation to create wealth and jobs in the economy and earn profit for themselves [2].

concerns expressed by some powerful stakeholders/citizens in strategic opinions and expectations for the government to respond positively to the desired changes being anticipated. Stakeholders' theory provides rich insights into the factors that motivate government in relation to the adoption and implementation of Treasury Single Account.

process, efficient management of resources and exercising control to guard against threats. Treasury Single Account (TSA) primarily is to avoid misapplication of public funds through connivance, diversion, embezzlements, misrepresentation of financial facts and other fraudulent acts that perennially occur in government establishments.

Theory which suggested that the government will responds to the concerns expressed by some powerful stakeholders/citizens in strategic opinions and expectations for the government to respond positively to the desired changes being anticipated.

Data and Method

Data

The study utilized secondary data that were extracted from the Central Bank of Nigeria (CBN) Statistical Bulletins and the

Nigeria Deposit Insurance Corporation financial reports for the period of this study.

Model Specification

The study sought to establish the impact the introduction of treasury single account has on the performance of deposit money banks in Nigeria with focus on capital adequacy, assets quality and bank deposit liability as dependent variables, while TSA as proxied by the deposits of the Federal government of Nigeria is the independent variable and Broad money and inflation were control variables. The following symbols were used to denote the model:

$$Y= a + b X_1 + CV - \dots$$

$$\beta_n X_n + U_t 1$$

The following symbols are used to denote their respective variables.

Bank performance = a + b FG deposit + $CV_1...n + e$

FG deposit = Federal government deposit

Where;

TCA= Total capital adequacy

Y = Dependent variables

TBD= Total Bank deposit

X= independent variable

TAQ = Total Asset quality

U= Error or disturbance term

A priori expectation: It is expected that $\beta_{_1}$ – $\beta_{_3} \!\!> 0$

t = Time

However, in writing the model equations in line with the hypotheses stated

CV = Control variable

Hypothesis One

H_o.The presence of Treasury Single Account had no significant impact on the quality of bank deposits in DMBs in Nigeria

LTBD = a + b LFG deposit + LINFR + LM₂...n + e(i)

H₁.The presence of Treasury Single Account had significant impact on the quality of bank deposits in DMBs in Nigeria.

Where;

The model expressed in the hypothesis is represented as follows:

LTBD= Total bank deposit

TBD = a + b FG deposit + INFR + M_2 ...n + e(i)

LFG deposit = Federal government deposit

Relating to econometric form and the variables log linearised, it will appear thus:

LM₂ = Broad Money Supply (Control Variables)

a =Regression equation intercept

b = Regression equation coefficient

LINFR = Inflation (Control Variables)

Decision Rule

The decision rule is based on a 5% probability value and is stated as follows: $H_0: \theta = \theta_0$ versus $H_a: \theta \neq \theta_0$

Reject null hypothesis if p-value < 0.05 Accept null hypothesis if p-value > 0.05

Hypothesis Two

H_o. The presence of Treasury Single Account had no significant impact the Capital Adequacy of DMBs in Nigeria.

H. The presence of Treasury Single Account had significant impact the Capital Adequacy of DMBs in Nigeria.

The model expressed in the hypothesis is represented as follows:

$$TCA = a + b FG deposit + INFR + M_2...n + e$$
......(i)

Relating to econometric form and the variables log linearised, it will appear thus;

$$LTCA = a + b LFG deposit + LINFR + LM_2...n + e$$
 (i)

Where:

LTCA= Total capital adequacy

LFG deposit = Federal government deposit

LINFR = Inflation (Control Variables)

LM₂ = Broad Money Supply (Control Variables)

a =Regression equation intercept

b = Regression equation coefficient

Decision Rule

The decision rule is based on a 5% probability value and is stated as follows:

 $H_0: \theta = \theta_0 \text{ versus } H_a: \theta \neq \theta_0$

Reject null hypothesis if p-value < 0.05 Accept null hypothesis if p-value > 0.05

Hypothesis Three

H_o The existence of Treasury Single Account had no significant impact on the bank assets quality of DMBs in Nigeria

H. The existence of Treasury Single Account had significant impact on the bank assets quality of DMBs in Nigeria The model expressed in the hypothesis is represented as follows:

 $TAQ = a + b FG deposit + INFR + M_2...n + e$

......

Relating to econometric form and the variables log linearised, it will appear thus:

LTAQ = a + b LFG deposit + LINFR +(i)

Where:

LFG deposit = Federal government deposit

LTAQ= Total asset quality

LINFR = Inflation (Control Variables)

LM₂ = Broad Money Supply (Control Variables)

a = Regression equation intercept

b = Regression equation coefficient

Decision Rule

The decision rule is based on a 5% probability value and is stated as follows: $H_0: \theta = \theta_0 \text{ versus } H_a: \theta \neq \theta_0$

Reject null hypothesis if p-value < 0.05 Accept null hypothesis if p-value > 0.05

Description of Model Variables Dependent variables Capital adequacy

According to [6], Capital adequacy is the capital expected to maintain balance with the risks exposure of the financial institution such as credit risk, market risk and operational risk, and so on; in order to absorb the potential losses and protect the financial institution's debt holder.

Capital adequacy can be defined in term of capital to deposit ratio because the primary risk is depository risk derived from the sudden and considerably large scale of deposit withdrawals. Another measure of capital is capital to total asset ratio

Asset quality

Based on [9] the quality of an assets needed to be evaluated to know the ability of the assets to perform or carry out the objectives for which they are acquired is normal to ascertain whether they are in good working condition and this can be done by checking the age as well as ensuring that appropriate provision has been made for depreciation to determine the assets real book value.

Bank deposits

This was measured by taking the natural log of the total banking sector deposits for the period. This in accordance with the work of [5] who argued that in any deposit insurance scheme, the amount of

coverage matters. This coverage is determined by total banking deposit, and ultimately affects market discipline by ensuring that depositors are protected.

Independent variable

Federal Government Deposit

These are the financial deposits made by the federal government into the DMBs through the federal government's ministries, departments and agencies (MDAs), and the accounts the money is been deposited to is called Treasury sing Account.

Control Variables

Broad Money Supply (M₂)

Broad Money Supply includes coins and currency, deposits in checking and savings accounts, small time deposits, non-institutional money market accounts. It also includes overnight repos at commercial banks. Repos are a form of

short-term borrowing. It is the main measure of the money supply. In fact, it is the economic indicator used to determine an economy's liquidity. Mathematically stated as; M₂ + SD +TD

Inflation rates

Inflation rates were adopted as a control variable. The higher the inflation rates in an economy, the higher the operating costs and lower ability of borrowers to repay their loans [3]. Thus, this proxy was adopted to capture the impact of inflation on borrowers' ability to repay loans.

Techniques of Analysis

The following analytical technique would be applied:

- 1. Diagnostic Tests
- 2. Test for Stationarity
- 3. Regression Analysis

Diagnostic Tests

These tests cover descriptive statistics like skewness, kurtosis, normality, mean, median, variance, standard deviation etc. the mean median and mode would be used to test the aggregative tendencies of the data set while variance, standard deviation, minimum and maximum would test variation of the data. The jarque-bera (JB) test for normality was conducted to confirm normality's and the skewness of

the data. The JB test is a test of whether sample data has the skewness and kurtosis matching a normal distribution. If the data is from normal distribution, the JB statistic asymptotically has a chisquare distribution with two degree of freedom, so the statistic can be used to test the hypothesis that the data are from normal distribution.

Tests for Stationarity

In attempt to estimate the relationship between Asset management corporation of Nigeria and Bank distress management in deposit money banks in Nigeria we tested for unit root using Augmented Dickey Fuller technique. This was necessary in order to ensure that the parameters were stationary at the same order. Thus the study, however seek to prevent occurrence of spurious results. To accomplish this Augmented Dickey - Fuller (ADF) was used to test for test of stationarity

Regression Analysis

Data collected was presented descriptively with aids of table, and also linear regression was used in testing the various hypotheses stated. Regression analysis was concerned with the study of the dependence of one variable (the dependent variable) on one or more other variables (the independent variables) with a view to estimating and predicting the

population mean or average value of the latter [8]. Linear regression helped to determine the impact of independent variable(s) on the dependent variable and to what extent. That was to determine both the direction and magnitude of the relationships, ordinary least square was used in testing the three hypotheses formulated.

PRESENTATION AND ANALYSIS OF DATA

Data Presentation

Year	FG deposit	TCA	TAQ	TBD	INFR	M2
2004	117.2	591.28	3,393,940	1,661,482.10	15.00	11.76
2005	119.1	677.87	4,389,327	2,036,089.80	17.86	11.30
2006	134.1	745.90	6,738,876	3,245,156.50	8.24	11.73
2007	254.5	800.77	10,469,007	5,001,470.50	5.38	19.29
2008	292.7	899.72	15,342,548	7,960,166.90	11.58	23.81
2009	451.8	910.97	10,654,744	9,150,037.70	11.54	25.14
2010	825.6	995.88	7,706,430	9,784,542.40	13.72	21.36
2011	678.7	1022.55	7,312,726	11,452,763.30	10.84	22.48
2012	1113	1705.00	8,150,030	13,132,096.80	12.22	24.93
2013	2931.60	2415.40	10,042,730	15,768,954.56	8.48	25.45
2014	764.6	2880.40	12,626,960	17,678,567.23	8.06	22.31
2015	53.8	3240.00	13,333,000	19,295,375.49	9.01	21.45
2016	60.4	3150.00	12,991,000	21,346,896.11	15.68	24.72
2017	90.73	6719.00	15,345,000	23,921,387.21	16.52	22.58
2018	285.87	9165.00	15,560,000	25,496,450.38	12.09	23.53
2019	399.00	9247.00	16,104,000	27,873,520.63	15.52	24.77

Source: NDIC data and CBN Statistical Bulletin (2010-2019)

Where;

FG deposit = Federal government deposit

INFR = Inflation (Control Variables)

TAQ = Total Asset quality

TCA = Total capital adequacy

TBD = Total bank deposit

M2 = Broad Money Supply (Control

Variables)

Preliminary Tests

A key preliminary test in this study is the Augmented Dickey-Fuller (ADF) unit root test. The ADF unit root test is very necessary since it would enable ascertain the stationarity of our series and therefore guide us on the appropriate

Table 1 contains Treasury Single Account and financial performance of deposit money banks in Nigeria over period of 2004-2019 as collected from the CBN Bulletin and NDIC. The data is a set of annualized time series required for the empirical analyses that would apply the models as specified in chapter three which would answer the research questions and test the hypotheses

estimation technique to apply. In addition, we conducted the descriptive statistics with the sole aim of understanding the statistical characteristics and trends of our series.

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Descriptive Statistics

We conducted descriptive statistics for our set of variables as presented in Tables 1. Table 2 Descriptive Statistics of the Variables

	LFG deposit	LTCA	LTBD	LTAQ	LM2	LINFR
Mean	5.680408	7.503418	16.12677	16.09273	3.012256	2.437312
Median	5.667343	7.185688	16.32216	16.17272	3.114845	2.470829
Maximum	7.983304	9.132054	17.14319	16.59458	3.236716	2.882564
Minimum	3.985273	6.382290	14.32322	15.03750	2.424803	1.682688
Std. Dev.	1.128109	0.940578	0.889935	0.461858	0.288163	0.325470
Skewness	0.234089	0.546935	-0.811866	-0.900440	-1.377587	-0.649337
Kurtosis	2.280557	1.945285	2.498374	2.956467	3.209575	2.818577
Jarque-Bera	0.491193	1.539317	1.925424	2.163376	5.089936	1.146313
Probability	0.782238	0.463171	0.381856	0.339023	0.078476	0.563743
Sum	90.88653	120.0547	258.0283	257.4837	48.19609	38.99700
Sum Sq. Dev.	19.08943	13.27029	11.87977	3.199697	1.245573	1.588962
Observations	16	16	16	16	16	16

Source: E-views 9 output, 2021

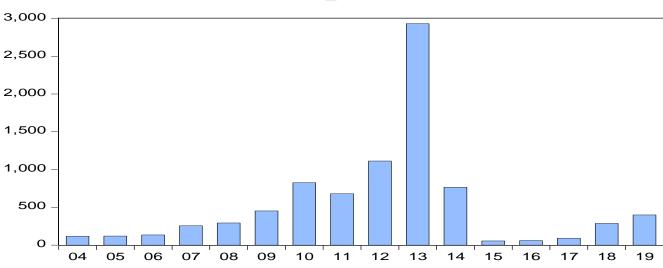
Descriptive statistics in Table 2 shows that Federal government deposit (LFG deposit) attained a mean of 5.680408 between 2004 and 2019 having a highest level at 7.983304 and lowest at 5.667343. Total capital adequacy (LTCA) stood on a mean of 7.503418 at a maximum 9.132054 and minimum of 6.382290 over the period. Total Asset quality (LTAQ) attained a mean of 16.09273 having a Maximum of 16.59458 and a Minimum of 15.03750, the mean of Total Bank deposit (LTBD) stood at 16.12677 at a maximum of 17.14319 and minimum of 14.32322 while Inflation Rate (LINFR) attained a mean of 2.437312 between 2004 and 2019 having a highest level at 2.882564 and lowest at 1.682688 Broad Money Supply (LM2) stood on a mean of 3.012256 at a maximum 3.236716 and minimum of 2.424803 over the period.

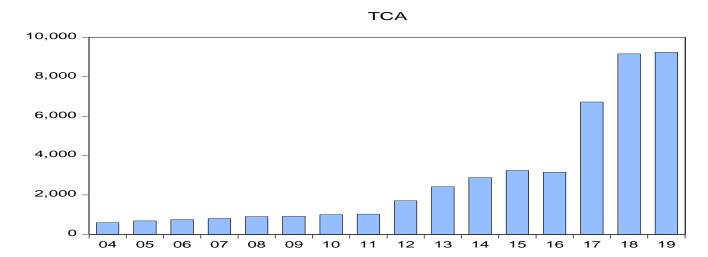
We observed from the results that our variables, is normally distributed (p > 0.05) and is statistically different from zero. The normality in the variable description are based on the skeweness of the variables and LTCA and LFG deposit were rightly/positively skewed (S>0) while LM2, LTAQ, LTBD and LINFR were negatively skewed (S>0). The results in Tables 4.2 indicate that probability value of the Jarque-Bera (J-B) statistics for Y is greater than 5% conventional level of significance hence, entails that we cannot reject the null hypothesis that our variables are normally distributed. However, if p-value of the J-B statistics of the variable is greater than 5% significant level thereby indicating that the identified series are normally distributed.

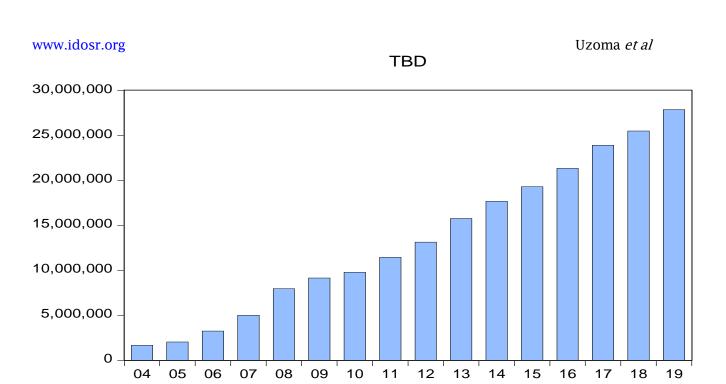
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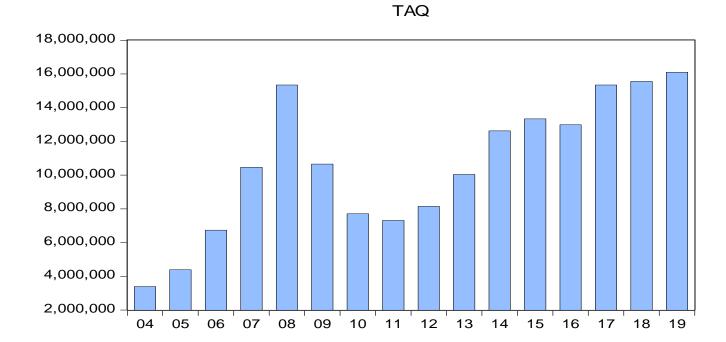
www.idosr.org Figure 1: Federal government deposit and performance of DMBs in Nigeria











It is not econometrically appropriate to carry out a regression analysis on time series data that are not stationary. Such operation is likely to produce a spurious regression results. In order to address the problem, the Augmented Dickey Fuller (ADF) unit root test was employed to determine the stationarity of the data as shown in Table 3

Table 3 Unit Root Test Results Summary of Unit Root Test

Variables	ADF-Stat	5% critical value	P-value	Inference
LFG deposit	-2.670122	-1.968430	0.0116	I(1)
LTCA	-2.241605	-1.968430	0.0288	I(1)
LTAQ	-3.130376	-1.974028	0.0048	I(1)
LTBD	-3.312568	-3.144920	0.0380	I(0)
LIFR	-2.909759	-1.995865	0.0096	I(1)
LM2	-3.651639	-2.006292	0.00032	I(1)

Source: Author's compilation 2021

The result of the unit root test in table 3 reveals the presence of stationarity at 5% critical Moreover, all our variables are not integrated of the same order. the variables attained stationarity at I(1), it is apparent that the calculated ADF value is less than critical values for all the variables tested, which confirms that our series has no unit root. Moreover, to

confirm the reliability of this result, the p-value of the calculated ADF values for each of the variables is less than 5% level of significance. Given that there is no mixed order of integration, we are guided to use Ordinary lease square (OLS) regression analysis in testing for Hypothesis.

Test of Hypothesis One

Hypothesis one is restated in null and alternate form thus:

 ${
m H_{\scriptscriptstyle 0}}.$ The presence of Treasury Single Account had no significant impact on the quality of bank deposits in DMBs in Nigeria

H₁. The presence of Treasury Single Account had significant impact on the quality of bank deposits in DMBs in Nigeria.

Table 4 OLS regression Model Estimation Results

Dependent Variable: LTBD Method: Least Squares

Date: 05/05/21 Time: 16:09

Sample: 2004 2019

Included observations: 16

Variable	Coefficient	Std. Error	t-Statistic	Prob.
LFGD LINFR LM2 C	-0.158763 0.143574 2.975596 7.715414	0.116706 0.365934 0.440845 1.570924	-1.360363 0.392350 6.749754 4.911387	0.1987 0.7017 0.0000 0.0004
R-squared Adjusted R-squared S.E. of regression Sum squared resid Log likelihood F-statistic Prob(F-statistic)	0.801574 0.751967 0.443213 2.357257 -7.382296 16.15863 0.000163	Mean dependent var S.D. dependent var Akaike info criterion Schwarz criterion Hannan-Quinn criter. Durbin-Watson stat		16.12677 0.889935 1.422787 1.615934 1.432678 0.930834

Source: Author's compilation 2021

Based on table 4 above, the coefficient of the constant is 7.715414. It implies that when the independent variables are held constant, the value of Total bank deposit (LTBD) will be 7.715414. It can be observed that FG deposit has negative but non-significant impact on Nigeria's LTBD. This was explained by the positive coefficient value (-0.158763) deposit and its corresponding probability value (0.1987), which is greater than 0.05 significant levels. From the model above. which the coefficient \mathbb{R}^2 . is of determination, is 0.801574. This entails that 0.80% of LFG deposit was explained by changes in the LTBD. The adjusted R^2 take account of more number of regressors included in our model. The F-value (16.15863), with a probability 0.000163 < 0.05 is an indicative that the overall regression is significant. The Durbin Watson statistics (DW) approximate value of 0.930834 which is greater than the value of 0.930834 which is

Decision

The coefficient of LFG deposit is negative signed with p-value 0.1987 > 0.05. Thus, we accept the null hypothesis and reject the alternate hypothesis which states that

Treasury single account have a significant impact on the quality of bank deposits in DMBs in Nigeria

Test of Hypothesis Two

Hypothesis one is restated in null and alternate form thus:

H_o. The presence of Treasury Single Account had no significant impact the Capital Adequacy of DMBs in Nigeria H₁. The presence of Treasury Single Account had significant impact the Capital Adequacy of DMBs in Nigeria

Table 5 OLS regression Model Estimation Results

Dependent Variable: LTCA Method: Least Squares

Date: 05/05/21 Time: 18:33

Sample: 2004 2019

Included observations: 16

Variable	Coefficient	Std. Error	t-Statistic	Prob.
LFG doposit	-0.245800	0.205438	-1.196469	0.2546
LINFR	0.513659	0.644153	0.797417	0.4407
LM2	2.316230	0.776019	2.984760	0.0114
С	0.670640	2.765294	0.242520	0.8125
R-squared 0.449574		Mean dependent v		7.503418
Adjusted R-squared	0.311968	S.D. dependent var		0.940578
S.E. of regression	0.780188	Akaike info criterion		2.553753
Sum squared resid	7.304313	Schwarz criterion		2.746901
Log likelihood	-16.43003	Hannan-Quinn criter.		2.563644
F-statistic	3.267099	Durbin-Watson stat		0.595823
Prob(F-statistic)	0.059157			

Source: Author's compilation 2021

Based on table 5 above, the coefficient of the constant is 0.670640. It implies that when the independent variables are held constant, the value of the total capital adequacy (LTCA) will be 0.670640. It can be observed that LFG deposit has negative but no significant impact on Nigeria's LTCA. This was explained by the negative coefficient value (-0.245800) of LFG deposit and its corresponding probability value (0.2546), which is greater than 0.05 significant levels. From the model above. \mathbb{R}^2 , which is the coefficient

determination, is 0.449574. This entails that 0.45% LFG deposit of was explained by changes in the LTCA. The adjusted R^2 take account of more number of regressors included in our model. The F-value (3.267099), with a probability value 0.059157 > 0.05 is an indicative that the overall regression is insignificant. The Durbin Watson statistics (DW) approximate value of 0.595823 which is greater than the R^2 (0.449574) shows signs of no serial auto-correlation.

Decision

The coefficient of LFG deposit is negative signed with p-value 0.2546 > 0.05. Thus, we accept the null hypothesis and reject

nd reject the capital adequacy of DMBs in Nigeria
Test of Hypothesis Three

Hypothesis one is restated in null and alternate form thus:

H_o The existence of Treasury Single Account had no significant impact on the bank assets quality of DMBs in Nigeria

the alternate hypothesis that Treasury

single account has a significant impact on

H₁ The existence of Treasury Single Account had significant impact on the bank assets quality of DMBs in Nigeria

Table 6 OLS regression Model Estimation Results

Dependent Variable: LTAQ Method: Least Squares

Date: 05/05/21 Time: 18:58

Sample: 2004 2019

Included observations: 16

Variable	Coefficient	Std. Error	t-Statistic	Prob.
LFGD	-0.181452	0.063623	-2.851989	0.0146
LINFR	-0.278995	0.199490	-1.398541	0.1873
LM2	1.548500	0.240328	6.443275	0.0000
С	13.13897	0.856394	15.34221	0.0000
R-squared 0.781055 Adjusted R-squared 0.726319		Mean dependent v	ar	16.09273 0.461858
S.E. of regression Sum squared resid	0.241619 0.700558	Akaike info criterion Schwarz criterion		0.209410 0.402557
Log likelihood	2.324723	Hannan-Quinn criter.		0.402337
F-statistic	14.26943	Durbin-Watson st	at	1.355810
Prob(F-statistic)	0.000291			

Source: Author's compilation 2021

Based on table 4.6 above, the coefficient of the constant is 13.13897. It implies that when the independent variables are held constant, the value of the total asset quality (TAQ) will be 13.13897. It can be observed that LFG deposit has negative but significant impact on Nigeria's LTAQ. This was explained by the negative coefficient value (-0.181452) of deposit and its corresponding probability value (0.0146), which is less than 0.05 significant levels. From the model above. \mathbb{R}^2 , which is the coefficient of

The coefficient of LFG deposit is positively signed with p-value 0.0146 < 0.05. Thus, we accept the alternate hypothesis and reject the null hypothesis

The main objectives of this study was to evaluate the impact of Treasury Single Account on the financial performance of deposit money banks in Nigeria., while the specific objectives are to; determine the impact of Treasury Single Account on

determination, is 0.781055. This entails that 0.78% LFG deposit was explained by changes in the LTAQ. The adjusted R² take account of more number of regressors included in our model. The F-value (14.26943), with a probability value 0.000291< 0.05 is an indicative that the overall regression is significant. The Durbin Watson statistics (DW) approximate value of 1.355810 which is greater than the R² shows signs of no serial auto-correlation.

Decision

that the existence of Treasury Single Account had no significant impact on the bank assets quality of DMBs in Nigeria.

Discussion of findings

quality of bank deposits in DMBs in Nigeria, ascertain the impact of Treasury Single Account on the Capital Adequacy of DMBs in Nigeria, evaluate the Impact of Treasury Single Account on the bank assets quality of DMBs in Nigeria. These

findings were made in line with their hypotheses and discussed according to

deposits in DMBs in Nigeria.

The results of our estimation revealed that FG deposit has negative but nonsignificant impact on Nigeria's LTBD. This was explained by the positive coefficient Adequacy of DMBs in Nigeria

The results of our analysis showed that deposit has negative but no significant impact on Nigeria's LTCA. This was explained by the negative coefficient

Objective Three: to evaluate the Impact of Treasury Single Account on the bank assets quality of DMBs in Nigeria.

As regard to the result, that LFG deposit has positive but significant impact on Nigeria's LTAQ. This was explained by the negative coefficient value (-0.181452) of

these objectives.

Objective One: To determine the impact of Treasury Single Account on quality of bank

value (-0.158763) of FG deposit and its corresponding probability value (0.1987), which is greater than 0.05 significant levels.

Objective Two: To ascertain the impact of Treasury Single Account on the Capital

value (-0.245800) of LFG deposit and its corresponding probability value (0.2546), which is greater than 0.05 significant levels.

FG deposit and its corresponding

probability value (0.0146), which is less than 0.05 significant levels.

CONCLUSION AND RECOMMENDATIONS

Summary of the Findings

The followings are the findings of this study:

- 1. Federal government deposit (FG deposits) has negative and significant impact on total deposits (LTBD) of deposit money banks in Nigeria.
- 2. Federal government deposit (FG deposit) has negative and non

significant impact on Total Capital (TCA) of deposit money banks in Nigeria.

government 3. Federal deposit deposit) has negative but significant impact on asset quality (LTAQ) of deposit money banks in Nigeria.

CONCLUSION

Based on the findings, we conclude that there was no significant difference in the quality of bank deposit and capital adequacy of deposit money banks in

before Nigeria and after the implementation of TSA, it only made a negative impact on the quality of bank assets.

RECOMMENDATION

We therefore recommend as follows:

- 1. That managers of deposit money banks should embrace core banking values and practices in their intermediation role to create wealth in the economy.
- 2. That managers should also be proactive in their decision making, and should maintain good, lasting relationship with their customers for improve performance.

REFERENCES

- 1. Adeola. LA. (2015).Understanding treasury single account (TSA) system. Things you should know. Business and economy, market development.
- (2017).2. Andornimye, L. Impact of TreasurySingle Account (TSA)

- Implementation on banks' liquidity in Nigeria. Scholars *Iournal* Economics, Business, Management, Sch J Econ Bus Manag, 4(4), 260-264.
- 3. Boulder 2015 Effects of treasury single account policy on corruption in

Nigeria. SSRN Electronic Journal

- 4. Central Bank of Nigeria, [CBN] (2015). Revised guidelines for compliance with treasury single account by banks in Nigeria. Chartered Institute of Public Finance and Accountancy [CIPFA].
- 5. Demirguc-Kunt, A., & Detragiache, E. (2002). Does deposit insurance increase banking system stability? an empirical investigation. *Journal of Monetary Economics*, 49(9)1272-1406
- 6. Eme, O. I., Emmanuel, N. I. and Chukwurah, D. C. (2015). Analysis of pros and cons Treasury Single Account policy in Nigeria. Arabian Journal of Business and Management Review (OMAN Chapter), Vol. 5, No.4, Nov. 2015,
- 7. Eme, O.I., Chukwurah, D.C., & Iheanacho, E.N. (2015). An analysis of the pros and cons of treasury single account policy in Nigeria. Arabian Journal of Business and Management Review vol. 5, 20 39.
- 8. Ighosewe, E.F., and Ofor, N.T (2017). Effects of Treasury Single Account (TSA) on Banks' Performance in Nigeria; An exploratory study, Research Journal of Finance and Accounting, 164.
- 9. IMF, (2010) IMF working paper. Treasury Single Account, Concept, Design and Implementation Issues
- 10. (Kanu, C. (2016). Impact of treasury single account on the liquidity. ABC Journal of Advanced Research, 5(1)
- 11. King (2006) Finance, entrepreneurship, and growth: theory and evidence. *Journal of Monetary Economics* 54(3)

- 12. Larson, M. C. (2007). Local Government Cash Management, Chapter 2 in Local Public Financial Management, ed. by Anwar Shah, The World Bank.
- 13. Ndubuaku, V. C., Ohaegbu, O.K., & Nina N. M. (2017). Impact of treasury single account on the performance of the banking sector in Nigeria.
- 14. Ekubiat, J.U., & Ime, E.E. (2016). Adoption of treasury single account (TSA) by state governments of Nigeria: benefits, challenges and prospects. *Journal of Finance and Accounting, 4*(3), 126-130.
- 15. Onuorah, A. C. & Appah, E. (2012). Accountability and public sector financial management in Nigeria. Arabian Journal of Business and Management Review, 1(6), 1-17.
- 16. Onuorah .A.C. and ChigbuE.E. (2016). Federal Government Treasury Single Account (TSA) Deposits and Commercial Banks Performance, *Journal of Social and Management Sciences*, 11(3), 22-34.
- 17. (Onwumere, 2005).
 Research methodology
 Journal of finance and
 accounting volume 4(3)
 page 126-130.
- 18. Onyekpere, S.I. (2015).
 Treasury Single Account:
 Bank Deposit loss may hit
 N2 trn. The vanguard 18
 August, P17-18 Garbade, K.
 D. et.al, 2004).
 Fundamentals of Financial
 Management (11th edition),
 Delhi: Pearson Education,
 Inc.
- 19. Oyedele (2015) Treasury single account (TSA) policy in Nigeria: reviving Jonathan"s "Dead" Policy Directives. Online Journal

of Social Sciences Research, 5. 6-12

- 20. Premchand, A.(1994),
 Treasury single account:
 concept, design and
 implementation issues. IMF
 Working Paper, No.
 WP/10/143.
- 21. Sahut and Miii (2003)
 Structuring deposit insurance for a united Europe. FinancialInstitutions Centre Working Paper 94-22, University of Pennsylvania, Wharton School
- 22. Saratu L. J. S., Lenka, N. M. Levi J. Y. (2017). Assess the effect of treasury single account (TSA) on the Nigerian economy.
- 23. Udo, J.E & Esera, I.E.(2016). Adoption of treasury single account (TSA) by state governments of Nigeria. Benefits, Challenges and Prospects. Journal of finance and Accounting Volume 4(3) page 126-130.
- 24. Udofia (2018).

 Securitisation in the Nigerian Banking Sector:
 The Impact of AMCON on the Nigerian Banking Sector, MBA Dissertation, Lagos State University, Lagos.
- 25. Uzoma (2019) the effect of Treasury Single Account (TSA) on teachers Performance in Nigeria;
- 26. Yusuf, L.A. (2016). Country
 The cost Treasury Single
 Account, Retrieved
 17/6/2017 from the
 nation.onlineng.net/countin
 g. Cost of counting cost of
 Treasury Single Account.
 The Nation Newspapers