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Impact of Exchange Rate Fluctuations on Deposit Money Bank Performance in Nigeria (1980-2016)

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ABSTRACT

The essence of this study is to carry out an empirical analysis of the impact of exchange rate fluctuations on deposit money banks performance in Nigeria covering the period 1981-2016. The data employed the expo-facto research design. Data for the study were collected from the Central Bank of Nigeria (CBN) statistical bulletin. The methodology employed in the research is the linear regression; Granger causality and the ARCH/GARCH -were used to test for volatility. The study found out that exchange rate fluctuations have a positive and significant impact on deposit money bank performance in Nigeria and there is GARCH effect on the model. It is therefore the recommendation of the study that the undue dependability on monetary tools to stabilize the exchange rate fluctuations should be technically suspended. Hence; the fiscal policy tools should be advanced to combat exchange rate fluctuations.

Keywords: impact, exchange rate, deposit, money and bank

INTRODUCTION

efficiency

The variability of foreign exchange rates is a potentially interesting factor that drives the level of profitability of commercial banks as it affects their financial intermediation process [1,2,3]. There is no country that is self reliant but instead countries transact business with one another and hence foreign exchange rates becomes handy [5,6,7]. Exchange rate is a vital microeconomic variable and backbone of Trade [8]. A variation of exchange rate plays an important role in determination of balance of trade. Exchange rates, like any other commodity, are based on supply and demand for particular forms of currency. Domestic currency supply changes as a result of a country's fiscal and monetary policies [8,9]. The correlation between foreign exchange transaction and banking sector profitability is current issue in literature and has remained newsworthy among researchers. economists and policy makers alike [10]. Numerous countries of world have witnessed the foreign exchange reforms culminating to currency over-valuation and wider-valuation due to currency differentials among nations. [11], affirms that the supply of foreign exchange in Nigeria comes in various ways and the various circumstances tasks

management and thus further the frontiers of the nation"s economy [12]. As such, foreign exchange market reforms have always impacted in the overall reform pattern of the financial sector in Nigeria [13]. The role of the Nigeria commercial banks in the buying and selling of foreign exchange is undeniably inevitable as they (Banks) remains the most active participants in the Foreign Exchange Market (FEM) [14]. Before the establishment of the Central Bank of Nigeria (CBN) in 1958 and the consequent enactment of the Exchange Control Act of 1962 access to foreign exchange by the private sector were made possible by commercial banks which maintain balances abroad and acted as agents for both importers and exporters. This was made possible because Nigerian pound sterling (the then National currency) can easily be converted into another country's currency being valued at par with that of the British pound sterling [15]. The nonexistence of a viable regulatory institution as well as effective regulatory framework for foreign exchange transaction actually hindered the early development of an

the dexterity and financial ability of the

nation's financial managers to achieve

in

foreign

exchange

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active foreign exchange market in Nigeria but with the establishment of the Central Bank of Nigeria (CBN) in 1958 with the sole authority in foreign exchange management, the need to develop a domestic foreign exchange market came to beam [2]. The Nigerian economy has various witnessed foreign exchange reforms following the establishment of CBN in 1958 with various outcomes on economy and financial the nation's institutions. Meanwhile the trade liberalization policy of the Nigerian economy which took effect in the year 1986 created undue pressure on the domestic demand for foreign currencies causing Nigerian naira to lose its value against other nation's currencies. Reacting to this, various practical measures have being taken with the view of arresting persistence depreciation and fluctuation of exchange rate against naira [3].

In this study, the following research questions will pilot the research.

1. To what extent has exchange rate fluctuations affected the performance of deposit money banks in Nigeria?

The broad objective of this study is to evaluate the impact of exchange rate fluctuations on the performance of deposit money banks in Nigeria. To actualize this aim, the following specific objectives were articulated:

The following hypotheses will be tested in the course of the study.

1. Ho: Exchange rate fluctuations have no significant impact on the performance of deposit money banks in Nigeria.

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Although a number of exchange rate reforms have been carried out by successive governments, the participation of the banking sector in foreign exchange continued market to increase. Undoubtedly, foreign exchange market is one of the largest financial markets globally with banks as key player. This however was made possible through the performance of their role as financial intermediaries between sellers and buyers of foreign exchange for international transactions [5]. Foreign exchange market activities massively affect banks due to their involvement in foreign exchange transaction. Based on this, this study is aimed at carrying out an empirical analysis of the impact of foreign exchange rate fluctuations on the performance of deposit money banks in Nigeria covering the period 1980-2015.

Research Questions

2. What is the causality relationship between exchange rate fluctuations and the performance of deposit money banks in Nigeria?

Objectives of the Study

1. To ascertain the impact of exchange rate fluctuations on the performance of deposit money banks in Nigeria.

2. To identify the causality relationship between exchange rate fluctuations and deposit money banks performance in Nigeria.

Hypotheses of the Study

2. Ho: There is no causality relationship between exchange rate fluctuations and deposit money banks in Nigeria

Significance of the Study

A research draws its relevance from the present and prospective beneficiaries and its contribution(s) to academia at large. The pertinence of this research is justified on the grounds that it will show the impact of exchange rate fluctuations on the performance of deposit money

banks in Nigeria for the years under review; and thus provides a framework for policy prescriptions and interventions. In furtherance to the above, this research will find its relevance as made evidence in the following:

METHODOLOGY Research Design

Azike and Ngwu The investigation employed the expofacto design. This is because the www.iaajournals.org researcher had no control over the data and variables used in the investigation.

Theoretical Framework

This research is anchored on the International Fisher Effect Theory. The International Fisher Effect states that exchange rates changes are balanced out by interest rate changes. The Fisher theory simply argues that real interest rates across countries are equal due to the possibility of arbitrage opportunities between financial markets which generally occurs in the form of capital flows. Real interest rate equality implies that the country with the higher interest rate should also have a higher inflation rate which, in turn, makes the real value of the country's currency decrease over time.

Model Specification The ARCH/GARCH Model

In modeling fluctuations, the Autoregressive Conditional Heteroscedasticity (ARCH) and the Generalized Autoregressive Conditional Heteroscedasticity (GARCH) model is employed. In developing an ARCH model, we consider two distinct specificationsone for the conditional mean and the other for conditional variance. Generalizing this, the standard GARCH (p, q) specification is expressed as:

$$y_t = \alpha + \sum_{i=1}^k \eta_i x_{t-i} + \varepsilon_t....(3.1)$$

$$\varepsilon_t \approx N(0, \sigma_t^2)$$
.....(3.2)

For the purpose of this study, the presence of fluctuation clustering is determined by the significance of the lagged fluctuation series parameters $-y_{t^*}$. While, the extent or degree of exchange rate fluctuation is determined by the

autoregressive root, which governs the persistence of fluctuation shocks, is the sum of $\alpha + \beta$ and the indications of fluctuation degree are expressed as follows:-

If $\alpha + \beta \rightarrow 1$ i.e is close to one, it indicates that fluctuation; and Persistent;

If $\alpha + \beta > 1$ i.e. is greater than 1, it indicates overshooting fluctuation; and

If $\alpha + \beta < 0.5$ i.e. is less than 0.5, it indicates no fluctuation.

The empirical model for the study is specified thus:

In an implicit form: BTA = f(EXR, INT, FD, DC).....(3.4)

In explicit form; $BTA_t = \beta_0 + \beta_1 EXR_t + \beta_2 INT_t + \beta_3 FD_t + \beta_4 DC_t + \mu_t$(3.5)

Where;

f = Functional Relationship BTA = Banks Total Assets EXR = Exchange Rate INT = Interest Rate FD = Financial Deepening (M2/GDP) DC = Domestic Credit (Credit in the form of loans extended from bank to the public) μ = Stochastic Error Term

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Azike and Ngwu t = Time Period B's = The Structural Parameters.

Method of Data Evaluation

Unit Root/Stationary Test

This was used to test whether a variable's mean value and variance varies over time. It is necessary in time series variables in order to avoid the problem of spurious regression. The Augmented Dickey Fuller (ADF) test was used for the analysis. Augmented Dickey-Fuller (ADF) test is used to test existence of unit root when

n

there is autocorrelation in the series and lagged terms of the dependent variable are included in the equation. The following three models represent pure random walk, random walk with drift and random walk with drift and trend used in Augmented Dickey-Fuller tests:

where: $\Omega = (\lambda - 1)$ The null hypothesis is $H_0: \Omega = 0$ and the alternative hypothesis is

Decision Rule

If ADF test statistic (t-statistic of lagged station dependent variable) is absolutely greater otherw than the critical value, we reject the null and of hypothesis and conclude that the series is station Co-integration test

This will be used to test if there exists a long-run relationship between the variables under investigation. The Johansen or Engel-Granger methodology

If there is cointegration, α_0 and α_1 estimates reveal "super-consistent" estimators in the OLS regression. In this estimation fitted values of ε_t series is tested for stationary. In this analysis DF or ADF may be used. However, in hypothesis testing, critical values stationary (there is no unit root) but if otherwise, we accept the null hypothesis and conclude that the series is not stationary (there is unit root)

will be used. The long-run equilibrium relationship is estimated with the following equation:

constructed by McKinnon (1991) is used. If this series is stationary, we can conclude that there is cointegration between X_t and Z_t . The fitted values of

 ε_t may be used as error correction term of the model.

Decision Rule

If the ADF statistics of residual series is absolutely greater than the critical values at 5% level of significance, then there exists a long-run relationship between the

The error correction analysis is an econometric analysis carried out if the variables under investigation are seen to

variables and if otherwise, there exists no long-run relationship among the variables.

Error Correction Model (ECM)

be cointegrated. The Error Correction Mechanism (ECM) will be used to estimate the speed of adjustment of the short-run

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dynamics of the vari	ables and timing to	by the equation:				
long run convergence	long run convergence. The ECM is given					
$\Delta BTA_t = \beta_0 + \Delta \beta_1 EXR_t$	$+\Delta\beta_2 INT_t \Delta\beta_3 FD_t + \Delta\beta_4 L$	$DC_t + ECM_{t-1} + \mu_t$ 3.1	0			
Where $\Lambda =$ First Diffe	rence Operator					
	Decisio	on Rule				
If the ECM coefficient	t is > 0.50 , then we	0.50, we conclude	that the speed of			
conclude that the spe	ed of adjustment is	adjustment is low.	-			
high but if the ECM co	efficient is less that					
	Economic Criterion	Test (A priori Test)				
The a priori test of	the analysis will be	relationship between	n the variables on			
based on the regressi	on coefficient based	economic theory. Th	e economic a priori			
on the coefficient of t	he algebraic signs of	expectations are give	en as: Bl>0, B2>0 and			
the parameters. It is	a test that will be	B3>0				
based on evaluating th	ne conformity of the	dnace of Fit				
This test involves the	test of the goodness	$closer \mathbf{P}^2$ is to	1 the greater the			
of fit To evaluate the	working hypothesis	proportion of the	variation in the			
of this study R^2	the co-efficient of	dependent variables	attributed to the			
determination is used	to test the	independent variable	S.			
explanatory power of	the variable. R^2 lies					
between zero and or	ne (0 <u><</u> R <u><</u> 1). The					
	T-Test of S	ignificance				
To test for the statis	tical significance of	null hypothesis Ho v	vill be tested against			
individual regression	co-efficient, t-	the alternative hypot	hesis HI.			
statistic is used. A tw	vo-tailed test will be					
conducted at 5% level	of significance. The	ulo (t. Toot)				
If t 25 ^{<} t* Ho will be	rejected and the U	hypothesis ut will be	rejected and the null			
accepted Otherwis	se the alternative	hypothesis Ho he acc	ented			
decepted. Otherwis	f-TEST of S	ignificance	epicu.			
To Test the statistical	l significance of the	test will be conduc	ted at 5% level of			
entire regression, the	f-ratio is used. The	significance.				
-	PRESENTATION AND A	ANALYSIS OF RESULTS				
	The Empiri	cal Results				
	Unit Ro	oot Test				
The first and ideal s	step in analyzing a	test was carried out	on the series used in			
time series data is to	carry out a unit-root	this study with	the application of			
of a spurious regress	avoid the estimation	This is displayed in t	uller (ADF) statistic.			
Table 1-Unit-Root Tast						
VARIABLE	ADF-STAT	CRITICAL STAT	ORDER			
RTA	-6.146300	-1 051332	KD			
FYD	-3 0/132/	-1.951000	KD			
INT	-7 569089	-2 051125	KD			
FINDEED	-5 034848	-1 951000	KD			
	-2 511702	-1 951000	KD			
		-1.331000				
source: <i>kesearcher's</i> C	οπραιατισή μείνα Ε-νιέν	VS.				

Table 1 which is a summary of the unitroot test reveals that bank performance captured with bank total assets (BTA), Exchange Rate (EXR), Interest Rate (INT) Financial deepening (FINDEEP) and Domestic Credit (DC) are stationary at Azike and Ngwu www.iaajournals.org first difference. In conclusion, none of the variables is stationary at level form. Cointegration Analysis (Engel-Granger Methodology) Table 2

Null Hypothesis: RESID01 has a unit root Exogenous: None Lag Length: 0 (Automatic - based on SIC, maxlag=0)

t-Statistic	Prob.*
-3.082023	0.0030
-2.632688 -1.950687 - 1.611059	
	-3.082023 -2.632688 -1.950687 - 1.611059

Augmented Dickey-Fuller Test Equation						
Dependent Variable: D(RES	ID01)					
Method: Least Squares						
Date: 09/30/18 Time: 17:	07					
Sample (adjusted): 1982 20	016					
Included observations: 35	after adjustments					
Variable	Coefficient	Std. Error	t-Statistic	Prob.		
RESID01(-1)	-0.489611	0.158860	-3.082023	0.0041		
				_		
R-squared	0.215611	Mean depend	ent var	-94.22321		
Adjusted R-squared	0.215611	S.D. depende	nt var	1608.968		
S E of regression	1424 994	Akaike info c	riterion	17 38988		
Sum squared resid	69040670	Schwarz crite	rion	17 43432		
Log likelihood	-303 3229	Hannan-Quin	n criter	17 40522		
Durbin-Watson stat	1.727621	unit Quili		1.110022		

Source:Researcher's Computation using E-views. Employ ing the Engel-Granger, significance. Hence, this implies that the residuals of the estimated regression were there is the existence of a long-run relationship among the variables. Thus, tested for unit-root presence at level form. It is clearly seen that at level form, the null hypothesis of no cointegration is the ADF statistic value (-3.082023) is rejected. Autoregressive Conditional absolutely greater than the tabulated value (-1.950687) Heteroscedasticity Test (ARCH) at 5% level of Table 3 Heteroscedasticity Test: ARCH 105.4690 0.0000 F-statistic Prob.F(1,33) Obs*R-squared 26.65878 Prob. Chi-Square(1) 0.0000

Test Equation: Dependent Variable: RES1D^A2 Method: Least Squares Date: 09/30/18 Time: 16:01 Sample (adjusted): 1982 2016 Included observations: 35 after adjustments

Variable	Coefficient	Std. Error	t-Statistic	Prob.
С	-3050.991	896.9859	-3.401381	0.0018
RESID ^A 2(-1)	1.880037	0.183064	10.26981	0.0000
R-squared	0.761679	Mean depend	ent var	5024.605
Adjusted R-squared	0.754458	S.D. depender	nt var	5152.480
S.E. of regression	2553.169	Akaike info ci	riterion	18.58350
Sum squared resid	2.15E+08	Schwa rz crite	erion	18.67238
Log likelihood	-323.2113	Hannan-Quin	n criter.	18.61418
F-statistic	105.4690	Durbin-Watso	n stat	0.802058
Prob(F-statistic)	0.000000			

Source: Researcher's Computation using E-views.

From table 3, the Obs*R-squared which follows the computed Chi-Square yielded 26.65878 while the corresponding probability value yielded 0.0000 < 0.05. This entails that we conclude that there is ARCH effect in the model. In other words, there is volatility/fluctuations clustering in exchange rate series.

Generalized Autoregressive Conditional Heteroscedasticity Test (GARCH)

Dependent Variable: EXR

Table 4

Method: ML- ARCH (Marquardt) - Normal distribution

Date: 09/30/18 Time: 16:49

Sample: 1981 2016

Included observations: 36

Failure to improve Likelihood after 112 iterations

Presample variance: backcast (parameter = 0.7)

 $GARCH = C(2) + C(3)*RESID(-1)^{A}2 + C(4)*GARCH(-1)$

Variable	Coefficient	Std. Error	z-Statistic	Prob.
C	0.991163	0.686768	1.443228	0.1490
	Variance	Equation		
С	0.383660	0.891557	0.430326	0.6670
RESID(-1) ^A 2 GARCH(-1)	1.843459 -0.010078	1.159213 0.537471	1.590267 -0.018750	0.1118 0.9850
R-squared	-1.132803	Mean depend	lent var	76.59172
Adjusted R-squared S.E. of regression Sum squared resid Log likelihood Durbin-Watson stat	-1.132803 105.2060 387390.4 -173.5013 0.029215	S.D. depende Akaike info c Schwarz crite Hannan-Quin	nt var riterion erion m criter.	72.03856 9.861181 10.03713 9.922591

Table 4 is a display of the Generalized Autoregressive Conditional Heteroscedasticity (GARCH) estimates. table clearly shows The that the probability values of RESID(-l)² which technically represents the ARCH term yielded 0.1118 with a positive coefficient of 1.843459. This indicates that there are **Regression Results (ECM Inclusive)** Table 5 Dependent Variable: LOG(BTA) Method: Least Squares

Date: 09/30/18 Time: 17:17 Sample (adjusted): 1982 2016

Included observations: 35 after adjustments

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spikes in exchange rate but not significant. The sum of the ARCH and GARCH coefficients yielded (1.843459 + (-0.0100078)) - 1.8334512. This positive value indicates that volatility/fluctuations is persistent though not significant given their individual probability values.

Variable	Coefficient	Std. Error	t-Statistic	Prob.
С	6.163398	0.423407	14.55666	0.0000
D(EXR) D(INT) D(FD) D(DC) ECM(-1)	0.017860 0.059194 5.070014 0.000873 -0.000139	0.024577 0.080861 31.82167 0.000287 0.000337	0.726708 -0.732049 -0.159326 3.040255 -0.412617	0.4732 0.4700 0.8745 0.0050 0.6829
R-squared	0.387323	Mean dependent var		6.921783
Adjusted R-squared S.E. of regression Sum squared resid Log likelihood F-statistic Prob(F-statistic)	0.281689 2.104035 128.3819 -72.40693 3.666649 0.010805	S.D. depender Akaike info cr Schwarz crite Hannan-Quin Durbin-Watso	nt var riterion rion n criter. n stat	2.482542 4.480396 4.747027 4.572437 0.671548

Source: *Researcher's Computation usingE-views*.

The regression table shows that exchange rate coefficient has a positive coefficient at the magnitude of 0.017860. This entails that exchange rate has a positive coefficient to bank performance. This further entails that exchange rate contributes positively bank to performance. This conforms to economic a priori expectation because banks utilize exchange rate in trading. The regression also reveals that interest rate yielded a positive coefficient at the magnitude of 0.059194. This entails that an increase in interest rate by 1% increases bank performance by 0.059194. This conforms to economic a priori expectation because an increase in interest rate increases the profitability of the commercial banks

through the concept of interest rate spread. Financial deepening (FINDEEP) vielded a positive coefficient at the magnitude of 5.070014. This conforms to economic a priori expectation because the more commercial banks spread and deepen, the more they mop up deposits, extend their financial services and increase their level of performance. Finally, domestic credit yielded a positive coefficient at the magnitude of 0.000873. This entails that there exists a positive relationship between domestic credit and the performance of deposit money banks in Nigeria for the years under analysis. The F-ratio yielded 3.666649 and the Fprobability value yielded 0.010805 which is less than 0.05. This implies that the

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entire regression line is statistically	variations in the independent variables
significant. In other words, the joint	specified in the model. This in conclusion
influence of the explanatory variables on	entails that the explanatory power of the
the dependent variable is significant. The	independent variables is low.
coefficient of determination which	The error correction coefficient yielded -
measures the degree of the variations in	0.000139 and this simply entails that the
the dependent variable accounted for by	speed of adjustment to correct for long-
the changes in the independent variable	run equilibrium is 0.0139%. The
yielded 0.387323. This implies that	implication of this result is that it will
approximately 39% changes in bank	take time for the long-run equilibrium to
performance is explained by the	be corrected.

Serial Correlation LM Test

Breusch-Godfrey Serial Correlation LM Test:					
F-statistic	0.505636	Prob.F(2,26)	0.6089		
Obs*R-squared	0.272921	Prob. Chi-Square(2)	0.5292		

Test Equation: Dependent Variable: RESID Method: Least Squares Date: 10/12/18 Time: 14:54 Sample: 19832016 Included observations: 34 Presample missing value lagged residuals set to zero.

Variable (Coefficient Std. Ei	rror t-Statistic Prob.	
С	14.16361	178.7288 0.079246	0.9374
D(INT) D(EXR) D(FD) D(DC) ECM(-1) RESID(-1)	-5.483473 2.104880 -1996.714 -0.013747 -0.301852 0.300970	34.32698-0.15974210.954410.19214911663.73-0.1711900.119350-0.1151820.623131-0.4844120.6508190.4624480.256757	0.8743 0.8491 0.8654 0.9092 0.6321 0.6476
RESID(-2) R-squared	0.037439	0.324865 0.956757 Mean dependent var	0.3475 -1 34F-14
Adjusted R-squared S.E. of regression Sum squared resid Log likelihood F-statistic Prob(F-statistic)	-0.221712 878.3686 20059814 -274.1377 0.144467 0.993345	S.D. dependent var Akaike info criterion Schwarz criterion Hannan-Quinn criter. Durbin-Watson stat	794.6801 16.59633 16.95548 16.71881 1.716606

The Breusch-Godfrey Serial Correlation LM Test was used to carry out the test of autocorrelation. It is clearly seen that the Obs*R-squared which follows the computed Chi-Square distribution yielded 0.272921and it is clearly less than the Chi-Square probability which yielded 0.5292. This compels us to accept the null hypothesis that there is no serial correlation of any order. Hence; there is no presence of autocorrelation problem in the model.

Granger Causality Table 6			
Pairwise Granger Causality Tests			
Date: $10/01/16$ Time: 04.42 Sample: 1981 2016			
Null Hypothesis:	Ohs	F-Statistic	Prob
	005	i statistic	1105.
INT does not Granger Cause BTA BTA does not Granger Cause INT	34	0.27909 0,46779	0.7585 0.6310
EXR does not Granger Cause BTA BTA does not Granger Cause EXR	34	3.27846 1.91413	0.0520 0.1656
FD does not Granger Cause BTA BTA does not Granger Cause FD	34	0.97301 9.29869	$0.3899 \\ 0.0008$
DC does not Granger Cause BTA BTA does not Granger Cause DC	34	6.39227 7.99694	0.0050 0.0017
EVD descent Commence Dirt Dirt descent	24	0.00104	0.0124
Granger Cause EXR	34	0.09194 0.26036	0.9124 0.7726
ED doos not Cronger Course DIT DIT doos not	24	0.00970	0.2015
FD does not Granger Cause INT INT does not Granger Cause FD	34	0.90870	0.3915
Granger Cause ID		2.14342	0.1333
DC does not Granger Cause INT INT does not Granger Cause DC	34	0.56142 0.01795	0.5765 0.9822
FD does not Granger Cause EXR EXR does not	34	0.86358	0.4322
Granger Cause FD		2.51001	0.0988
DC does not Granger Cause EXR EXR does not Granger Cause DC	34	2.93442 1.01785	0.0691 0.3739
DC doos not Cranger Cause ED ED doos not	24	1.05265	0.2620
Granger Cause DC	54	4.69680	0.3620

Source: *Researcher's Computation usingE-views*, The Granger causality test was carried out to identify the causality relationship between exchange rate fluctuations and deposit money banks performance in Nigeria. The Granger causality output in table 4 shows that there exists no causality relationship between exchange rate and commercial bank performance (BTA). The causality output shows that that the null hypothesis of EXR does not

Granger Cause BTA yielded a probability value of 0.0520 > 0.05 and a null hypothesis that BTA does not Granger Cause BTA yielded a probability value of 0.1656 > 0.05. This leads us to conclude that there exists no causality relationship between exchange rate fluctuations and deposit money banks' performance in Nigeria.

Test of Hypothesis One

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Ho: Exchange rate fluctuations have no significant impact on the performance of money deposit banks in Nigeria. Analysis: Re gression in table 3 reveals that the tstatistics corresponding to exchange rate yielded 0.726708. Since, this value of the

Ho: There is no causality relationship between exchange rate fluctuations and deposit money banks in Nigeria. Analysis: The causality output shows that that the null hypothesis of EXR does not Granger Cause BTA yielded a probability value of 0.0520 > 0.05 and a null hypothesis that Implications of the Results

The major finding of this research is that exchange rate fluctuations have a positive insignificant and impact on bank performance in Nigeria. The implication of this finding is that our deposit money

This study has been focused on carrying out an empirical analysis of the impact of exchange rate fluctuations on deposit money bank performance in Nigeria covering the period 1981-2016. The Ordinary Least Squares (OLS) technique was employed to evaluate the relationship between the variables and the Granger causality was adopted to assess the causal relationship and direction. Summary of the major findings of the study are given thus:

1. There is an ARCH/GARCH effect on the series of Exchange Rate for the period under analysis.

Anchored on the findings of the study, exchange rate fluctuations were seen not to have an adverse effect on the performance of deposit money banks in Nigeria. This clearly reveals why

commercial banks don't dwindle during

The following recommendations were articulated in reflection of the findings of the study:

1. The undue dependability on monetary tools to stabilize the exchange rate should fluctuations be technically suspended. The fiscal policy tools should www.iaajournals.org

t-statistics is absolutely less than two; we accept the null (Ho) and conclude that exchange rate fluctuations have no significant impact on the performance of money deposit banks in Nigeria.

Hypothesis Two

BTA does not Granger Cause BTA vielded a probability value of 0.1656 > 0.05. This us to accept the null (Ho) leads hypothesis and thus conclude that there is no causality relationship between exchange rate fluctuations and deposit money banks' performance in Nigeria.

banks are not adversely affected by the harsh volatility and fluctuations of the exchange rate. It implies that the banks are insulated from the erratic changes in exchange rate.

SUMMARY. CONCLUSION AND RECOMMENDATIONS

Summary of Findings

Exchange rate fluctuations have a 2 positive and significant impact on deposit money banks' performance in Nigeria.

There is no causality relationship 3. between exchange rate fluctuations and deposit money banks' performance in Nigeria.

4. Interest rate has a positive and insignificant impact on deposit money banks' performance in Nigeria.

5. Financial deepening has a positive and insignificant impact on deposit money banks' performance in Nigeria.

6. Domestic credit has a positive and significant impact on deposit money banks' performance in Nigeria.

CONCLUSION

has exchange rate volatility crisis. One can conclude that deposit money banks take due advantage of the fluctuations in foreign exchange (FOREX) and as such are not adversely affected.

RECOMMENDATIONS

be advanced to combat exchange rate fluctuations.

2. One of the basis solutions to stabilize exchange rate fluctuations is to boost domestic productivity. Hence; the federal government should create an enabling environment to encourage investors.

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3. Irrespective of the state of the economy, increasing the foreign reserve should always be of utmost priority. This

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also goes a long way to finance our imports and stabilize the exchange rate.

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