

/// :

/// :

MS, PR 2010 -1970

(2000)

(2010-1970)

	1970	1986
CS	0.29	
CD	0.64	
MS ₁ = CS + CD	1.28	
DM		(240.5)
MS ₂ = DM + MS ₁		(1976)
MS ₃	(48667.7)	(2009)
	(2010)	

()
()
(2001)
-:
-
)
(
-:
()
-:
- -
)
(
(2004)

-: -

(2004)

-: -

(OSB)

(2005)

-: -

)

()

(2005)

-:

(2003)

(Miyakoshi,2000) -

Flexible-price)

(monetary model

(Won)

)

(

.(
Sen Liew, Baharunshsh) -
(and Hong Puah, 2012

(VAR model)

(2006) -

(1999) .

(2009) -

(MS)

(PR)

-:

-:

(MS)

(PR)

		(1)			-:
	(PR)		(MS)		
	ADF	(t)	()		-:
				-()	
	Lag Intervals	-		(ADF)	
LR	(2))	(
			, SC, AIC FPE		
VAR					
		(ADF)*	-		:
NONE	TREND AND INTERCEPT	INTERCEPT			
-2.624057	-4.205004	-3.605593	1 %		
-1.949319	-3.526609	-2.936942	5 %	Critical values	
-1.611711	-3.194611	-2.606857	10 %	ADF	
4.752383	-2.812726	-1.749669	(t)		MS
-2.137356	-5.876637	-5.901224	(t)		
-1.081043	-1.628233	0.624979	(t)		PR
-4.248120	-4.686983	-4.470253	(t)		
					:*Eviews5
		(VAR)			:
Lag	LogL	LR	FPE	AIC	SC
0	-72.00419	NA	0.168508	3.894958	3.981146
1	51.36105	227.2518*	0.000315*	-2.387424*	-2.128857*
2	53.43026	3.593894	0.000350	-2.285803	-1.854860
3	57.43229	6.529630	0.000352	-2.285910	-1.682589
* indicates lag order selected by the criterion					
LR: sequential modified LR test statistic (each test at 5% level)					
FPE: Final prediction error					
AIC: Akaike information criterion					

The cointegration Test

0.122279
 (Trace) (3)
 % (Maximal Eigenvalue Test)
 -:
 (5)
 (4.37978) F -:
 (0.04)
 (Vector Autoregressive Model)
 (4)
 (4)
 (5.26083) F
 (0.02)
 (0.069386-)

Eigenvalue	Max-Eigen Statistic	Trace Statistic	0.05 Max Critical value	0.05 Trace Critical value	Hypothesized No. of CE(s)
0.359416	17.36962	21.77222	15.89210	20.26184	None
0.106749	4.402602	4.402602	9.164546	9.164546	At most 1

Eviews 5 *

Vector Error Correction Estimates		
Sample (adjusted): 1972 2010		
Included observations: 39 after adjustments		
Standard errors in () & t-statistics in []		
Error Correction:	D(PR)	D(MS)
CointEq1	-0.069386 (0.04057)	0.122279 (0.05462)
	[-1.71044]	[2.23880]

Pairwise Granger Causality Tests			
Sample: 1970 2010			
Lags: 1			
Probability	F-Statistic	Obs	Null Hypothesis:
0.04328	4.37978	40	MS does not Granger Cause PR
0.02759	5.26083		PR does not Granger Cause MS

" (2001)

ELGA ** *

" ()

M1 " (2009) .(%0.69)

" (2000) .(MS₃)

" (2006)

" (2004)

(1999) "

PDF " 2003-1954 ()

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Granger Causality Test Between Money Supply and Exchange Rate in Libya

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ABSTRACT

This paper examines the relationship between exchange rate and its determinants which is the money supply (M2) based on Granger test of causality, the integrated of first order and unit root test approach between exchange rate and money supply is adopted to attain our objective of study.

The stationary test for the time Series analysis have been applied and the Augmented Dickey-Fuller test (ADF) remedial measures of autocorrelation in the data has been used.

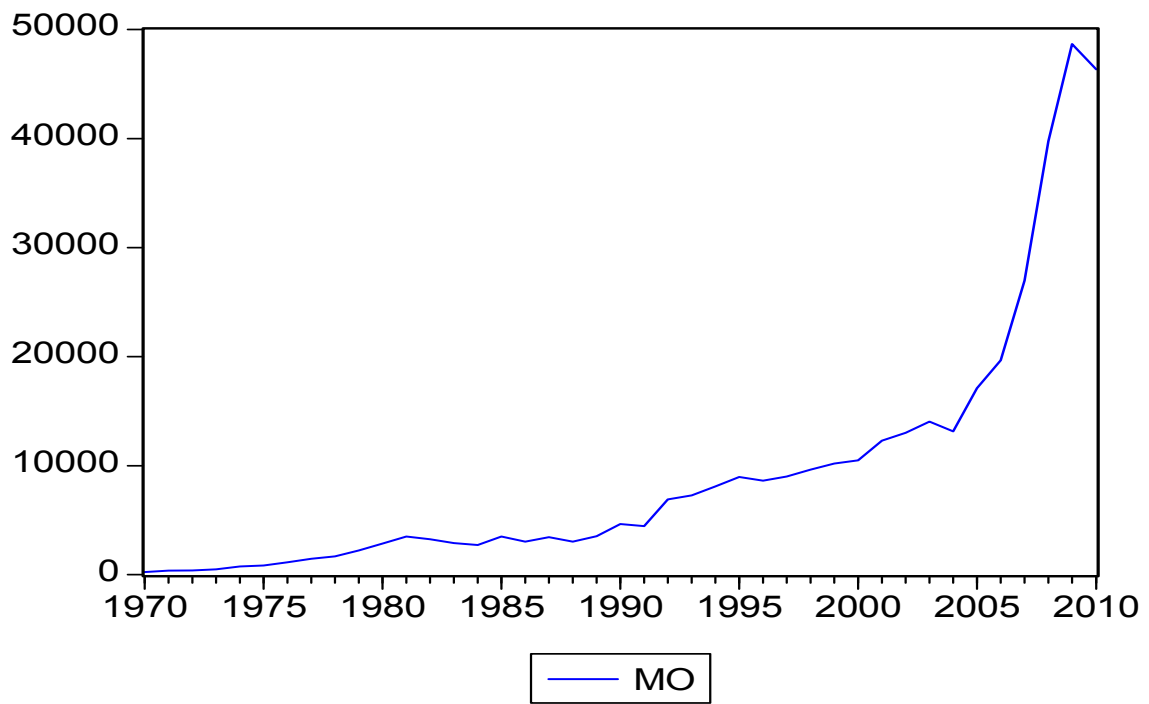
The empirical results provide evidence for two-way causal relationship between exchange rate and money supply.

The result prove that in the short run the money supply affecting exchange rate of Libyan Diner via US\$, and in the long run the exchange rate feedback to money supply has a negative value.

These results have been proved by tow-way Granger causality which have been found statistically significant in negative value equal (-0.069386), which main that money supply in its broader definition default (LD) exchange against (USD\$).

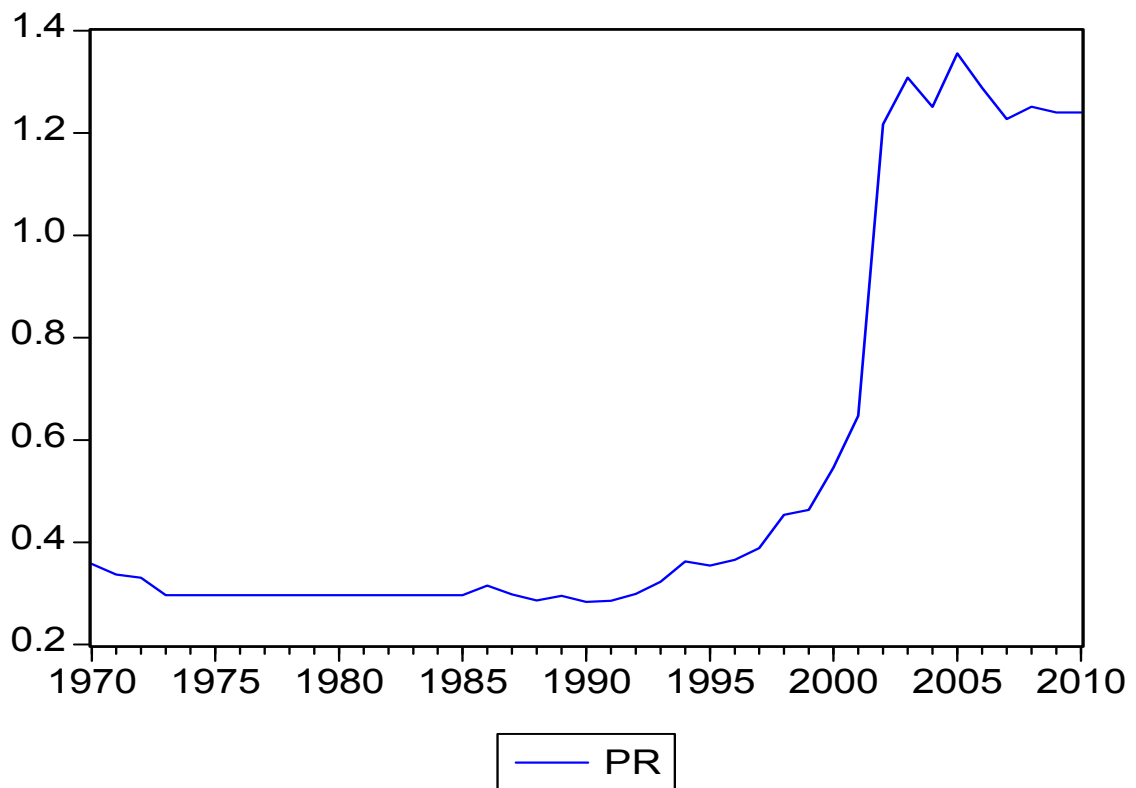
Keywords: money supply, exchange rate, Granger causality and co-integration test.

(-)		:
0.35759	240.6	1970
0.33722	364.5	1971
0.33052	392.8	1972
0.29679	490.9	1973
0.29679	753.8	1974
0.29679	844.5	1975
0.29679	1139.5	1976
0.29679	1443.8	1977
0.29679	1687.8	1978
0.29679	2223.6	1979
0.29679	2856.9	1980
0.29679	3512.1	1981
0.29679	3251.9	1982
0.29679	2894.4	1983
0.29679	2711.3	1984
0.29679	3492.2	1985
0.31575	3041.1	1986
0.29822	3438.6	1987
0.28646	3032.7	1988
0.29558	3521.5	1989
0.28372	4645.4	1990
0.28558	4442.6	1991
0.29921	6913.2	1992
0.32316	7268	1993
0.36247	8093.4	1994
0.35445	8942.7	1995
0.36592	8611.3	1996
0.38868	8998.9	1997
0.45381	9639.2	1998
0.46308	10181.4	1999
0.54613	10486.7	2000
0.64732	12288.4	2001
1.21669	13004.1	2002
1.30839	14051.8	2003
1.25064	13135.5	2004
1.35541	17096.3	2005
1.28821	19655.9	2006
1.22728	26982.1	2007
1.25161	39744.5	2008
1.24021	48667.7	2009
1.24028	46350.7	2010



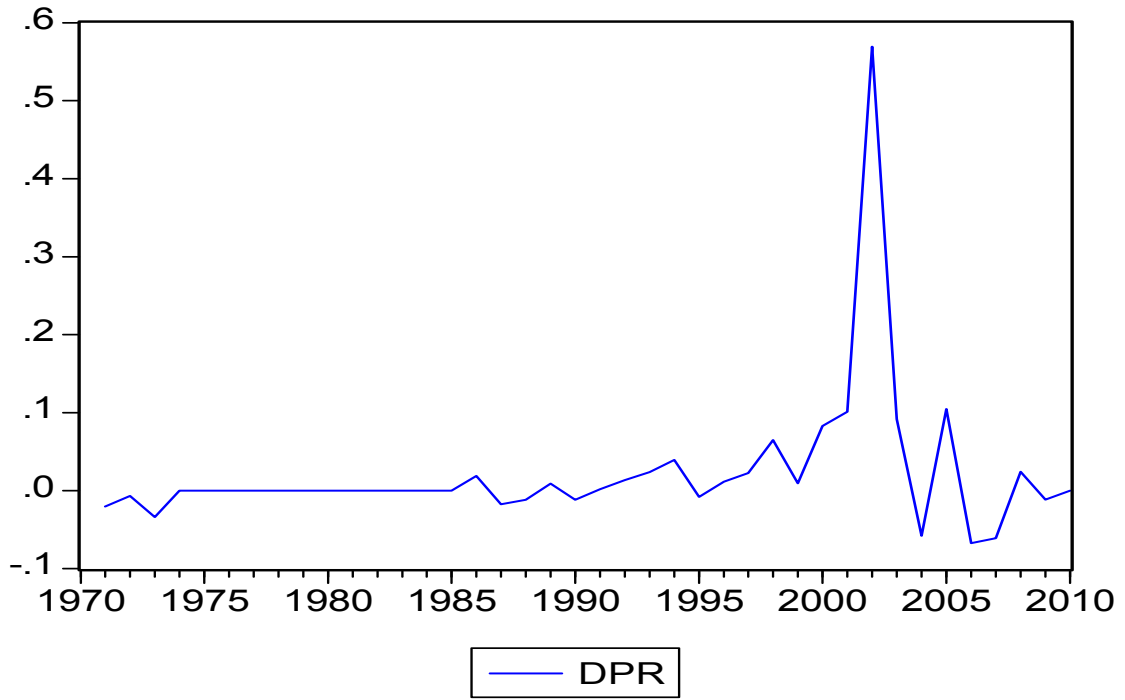
(Ms)

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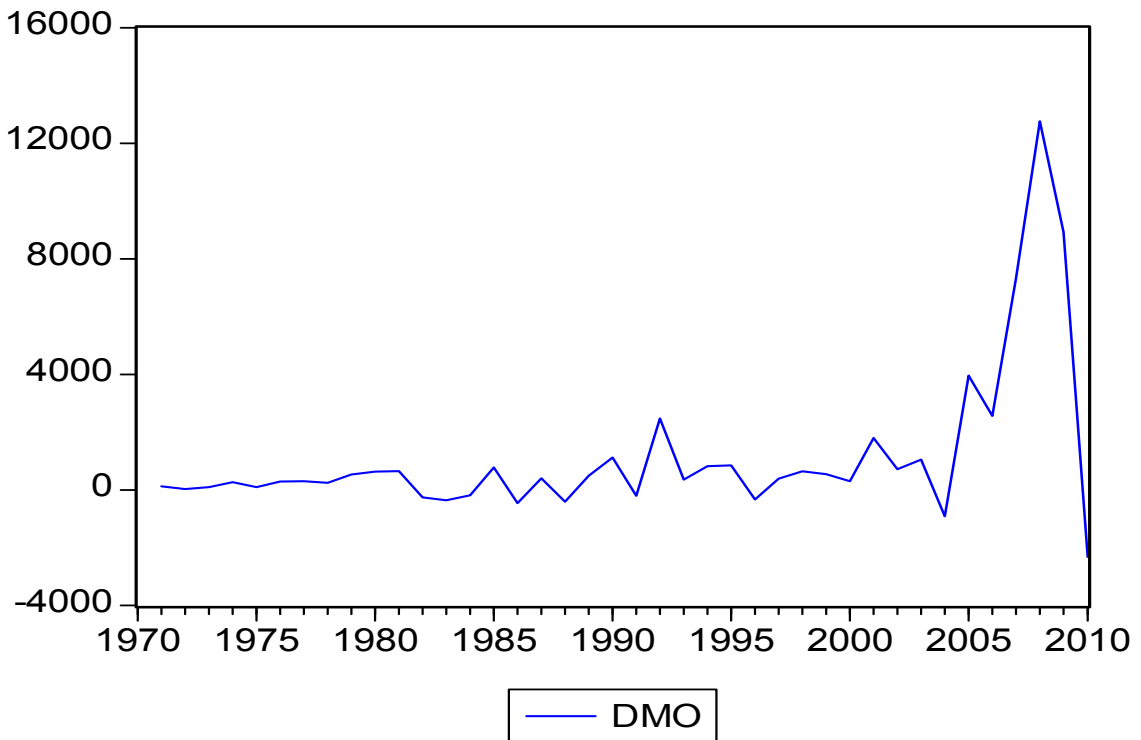


(PR)

:



() (DPR) :



() (DMO) :