Skip to main content

ARTICLE

Short-Run Determinants of the IDR/USD Exchange Rate: A Simultaneous-Equation Model

1	Yu Hsing ☑
Published/Copyright: September 23, 2015	
Г	

Published by



DE GRUYTER

Become an author with De Gruyter Brill

Author Information →

Explore this Subject →



From the journal **Global Economy Journal** Volume 15 Issue 3

Abstract

This paper examines short-run determinants of the Indonesian rupiah/USD exchange rate based on a simultaneous-equation model. Based on a reduced form equation and the EGARCH method, the paper finds that the IDR/USD exchange rate is positively associated with the real 10-year U.S. government bond yield, real GDP in Indonesia, the stock price in the U.S. and the expected exchange rate and negatively influenced by the real deposit rate in Indonesia, real GDP in the U.S., and the stock price in Indonesia. The Asian financial crisis has shifted the mean exchange rate by 4,900.857.

Keywords: exchange rates; interest rates; real GDP; stock prices; EGARCH

JEL Classification: F31; F41

References

Baharumshah, A. Z., R. Aggarwal, and C. T. Haw. 2007. "East Asian Real Exchange Rates and PPP: New Evidence From Panel-Data Tests." Global Economic Review 36:103–19.

 $10.1080/12265080701374024 \ (https://doi.org/10.1080/12265080701374024)$

Bilson, J. F. O. 1978. "Rational Expectations and the Exchange Rate." In The Economics of Exchange Rates, edited by J. Frenkel and H. Johnson. Reading: Addison-Wesley Press.

Cavoli, T., and R. Rajan. 2010. "A Note on Exchange Rate Regimes in Asia: Are They Really What They Claim To Be?" Economics Bulletin 30:2864–76.

Chen, S. S. 2006. "Revisiting the Interest Rate—Exchange Rate Nexus: A Markov-Switching Approach." Journal of Development Economics 79:208—24.

10.1016/j.jdeveco.2004.11.003 (https://doi.org/10.1016/j.jdeveco.2004.11.003)

Cheung, Y.-W., M. D. Chinn, and A. G. Pascual. 2005. "Empirical Exchange Rate Models of the Nineties: Are Any Fit to Survive?" Journal of International Money and Finance 24:1150–75. 10.3386/w9393 (https://doi.org/10.3386/w9393)

Choudhry, T. 2005. "Asian Currency Crisis and the Generalized PPP: Evidence From the Far East." Asian Economic Journal 19:137–57.

10.1111/1475-4762.00098-i1 (https://doi.org/10.1111/1475-4762.00098-i1)

Dornbusch, R. 1976. "Expectations and Exchange Rate Dynamics." Journal of Political Economy 84:1161–76.

10.1086/260506 (https://doi.org/10.1086/260506)

Frankel, J. A. 1979. "On the Mark: A Theory of Floating Exchange Rates Based on Real Interest Differentials." American Economic Review 69:610–22.

Frenkel, J. A. 1976. "A Monetary Approach to the Exchange Rate: Doctrinal Aspects and Empirical Evidence." Scandinavian Journal of Economics 78:200–24.

10.1007/978-1-349-03359-1_7 (https://doi.org/10.1007/978-1-349-03359-1_7)

Granger, C. W. J., B.-Ng. Huang, and C.-W. Yang. 2000. "A Bivariate Causality Between Stock Prices and Exchange Rates: Evidence From Recent Asian Flu." The Quarterly Review of Economics and Finance 40 (s):337–54.

10.1016/S1062-9769(00)00042-9 (https://doi.org/10.1016/S1062-9769(00)00042-9)

Highfill, J. 2012. "A Note on Teaching the Yuan-Dollar Market Vis-a-Vis China's Dollar Holdings." Global Economy Journal 12 (1):1-9.

10.1515/1524-5861.1863 (https://doi.org/10.1515/1524-5861.1863)

Ho, C. C., S. Y. Cheng, and H. Hou. 2009. "Purchasing Power Parity and Country Characteristics: Evidence From Time Series Analysis." Economics Bulletin 29:444–56.

Hsing, Y. 2008. "A Study of the J-Curve for Seven Selected Latin American Countries." Global Economy Journal 8 (4):1–14.

 $10.2202/1524 - 5861.1438 \ (https://doi.org/10.2202/1524 - 5861.1438)$

Hsing, Y. 2012. "Impacts of the Exchange Rate and the Global Interest Rate on Real Output for Ten Selected Latin American Countries." Global Economy Journal 12 (1):1–18.

10.1515/1524-5861.1830 (https://doi.org/10.1515/1524-5861.1830)

Huang, P., J. C. Hueng, and R. Yau. 2010. "Traditional View or Revisionist View? The Effects of Monetary Policy on Exchange Rates in Asia." Applied Financial Economics 20:753–60. 10.1080/09603100903539484 (https://doi.org/10.1080/09603100903539484)

Lin, C. H. 2012. "The Comovement Between Exchange Rates and Stock Prices in the Asian Emerging Markets." International Review of Economics & Finance 22:161–72. 10.1016/j.iref.2011.09.006 (https://doi.org/10.1016/j.iref.2011.09.006)

Nevin, C. 2011. "Exchange Rates and the Effectiveness of Actual and Oral Official Interventions: A Survey on Findings, Issues and Policy Implications." Global Economy Journal 10:1–42.

Tsai, I.-C. 2012. "The Relationship Between Stock Price Index and Exchange Rate in Asian Markets: A Quintile Regression Approach." Journal of International Financial Markets, Institutions and Money 22:609–21.

10.1016/j.intfin.2012.04.005 (https://doi.org/10.1016/j.intfin.2012.04.005)

Published Online: 2015-9-23 Published in Print: 2015-9-1

©2015 by De Gruyter



Article



Articles in the same Issue



https://doi.org/10.1515/gej-2014-0038

Keywords for this article

exchange rates; interest rates; real GDP; stock prices; EGARCH

Sign up now to receive a 20% welcome discount

Subscribe to our newsletter

Institutional Access

How does access work?













Our privacy policy
Our cookie policy
Accessibility

Accessibility

General terms and conditions

Legal Notice

Have an idea on how to improve our website?

Please write us.

© 2025 De Gruyter Brill

Downloaded on 14.11.2025 from https://www.degruyterbrill.com/document/doi/10.1515/gej-2014-0038/html