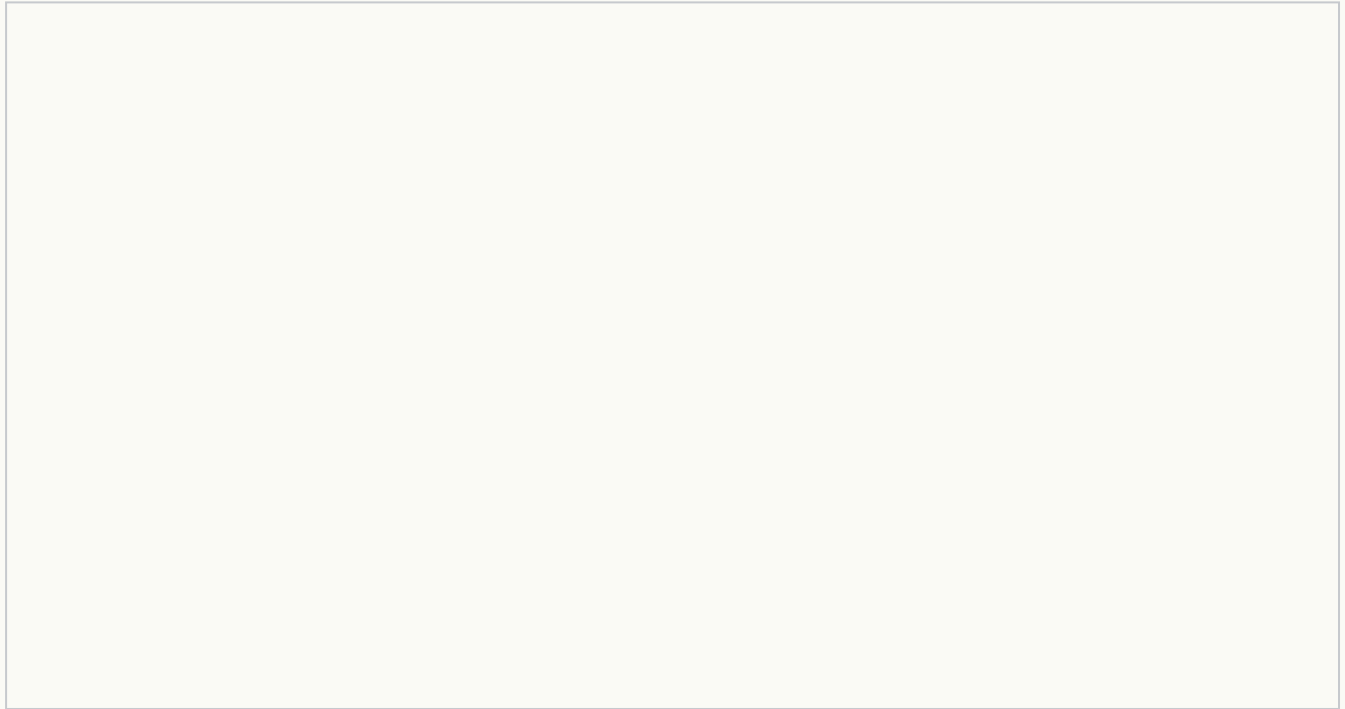


Short-Run Determinants of the IDR/USD Exchange Rate: A Simultaneous-Equation Model

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Published/Copyright: September 23, 2015



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

Published Online: 2015-9-23

Published in Print: 2015-9-1

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

Keywords for this article

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

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