















- [6] Coibion, O., Gorodnichenko, Y., & Hong, G. H. (2015). The cyclicity of sales, regular and effective prices: Business cycle and policy implications. *American Economic Review*, 105(3), 993-1029. <http://dx.doi.org/10.1257/aer.20121546>
- [7] Kaplan, G., & Schulhofer-Wohl, S. (2017). Inflation at the household level. *Journal of Monetary Economics*, 91, 19-38. <https://doi.org/10.1016/j.jmoneco.2017.08.002>
- [8] Furceri, D., Loungani, P., Simon, J., & Wachter, S. M. (2016). Global food prices and domestic inflation: some cross-country evidence. *Oxford Economic Papers*, 68(3), 665-687. <https://doi.org/10.1093/oep/gpw016>
- [9] Fróna, D., Szenderák, J., & Harangi-Rákos, M. (2019). The challenge of feeding the world. *Sustainability*, 11(20), 5816. <https://doi.org/10.3390/su11205816>
- [10] Caroline, L. (2021). Analysis of Food Inflation in Java and Sumatra Islands. *Indonesian Journal of Economics, Social, and Humanities*, 3(2), 117-129. <https://doi.org/10.31258/ijesh.3.2.117-129>
- [11] Janssen, M., Chang, B. P., Hristov, H., Pravst, I., Profeta, A., & Millard, J. (2021). Changes in food consumption during the COVID-19 pandemic: analysis of consumer survey data from the first lockdown period in Denmark, Germany, and Slovenia. *Frontiers in nutrition*, 8, 60. <https://doi.org/10.3389/fnut.2021.635859>
- [12] Galí, J. (2015). *Monetary policy, inflation, and the business cycle: an introduction to the new Keynesian framework and its applications*. Princeton University Press. <https://philpapers.org/rec/GALMPI>
- [13] Jiménez-Rodríguez, R., & Morales-Zumaquero, A. (2022). Commodity price pass-through along the pricing chain. *Review of World Economics*, 158(1), 109-125. <https://doi.org/10.1007/s10290-021-00425-2>
- [14] Margulis, M. E. (2013). The Regime Complex for Food Security: Implications for the Global Hunger Challenge. *Global Governance: A Review of Multilateralism and International Organizations*, 19(1), 53-67. <http://hdl.handle.net/1893/21908>
- [15] Harvey, D., & Hubbard, C. (2013). Reconsidering the political economy of farm animal welfare: An anatomy of market failure. *Food policy*, 38, 105-114. <https://doi.org/10.1016/j.foodpol.2012.11.006>
- [16] Deaton, A. (2016). Measuring and understanding behavior, welfare, and poverty. *American Economic Review*, 106(6), 1221-43. <http://dx.doi.org/10.1257/aer.106.6.1221>
- [17] Mitra, S., & Bousard, J. M. (2012). A simple model of endogenous agricultural commodity price fluctuations with storage. *Agricultural economics*, 43(1), 1-15. <https://doi.org/10.1111/j.1574-0862.2011.00561.x>
- [18] Sativa, M., Harianto, H., & Suryana, A. (2017). Impact of red chilli reference price policy in Indonesia. *International Journal of Agriculture System*, 5(2), 120-139. <http://pasca.unhas.ac.id/ojs/index.php/ijas/article/view/1201>
- [19] Irawati, D. J., Wibowo, R. P., & Ayu, S. F. (2019). The impact of fluctuation of the price of food commodity on inflation in North Sumatera Province. In *IOP Conference Series: Earth and Environmental Science* (Vol. 260, No. 1, p. 012016). IOP Publishing. <https://doi.org/10.1088/1755-1315/260/1/012016>
- [20] Rachmawati, E., Harianto, H., Syaikat, Y., & Novianti, T. (2020). Fluctuation and price responses retail level of red chili, cayenne pepper, shallot in five major cities in Java. *International Journal of Progressive Sciences and Technologies*, 21(1), 168-175. <http://dx.doi.org/10.52155/ijpsat.v21.1.1868>
- [21] Braun, J. V., & Tadesse, G. (2012). Food security, commodity price volatility, and the poor. In *Institutions and Comparative Economic Development* (pp. 298-312). Palgrave Macmillan, London. [https://doi.org/10.1057/9781137034014\\_16](https://doi.org/10.1057/9781137034014_16)
- [22] Dewianawati, D., & Asyik, N. F. (2021). The impact of climate on price fluctuations to the income of leek farmers in Sajen village, Pacet, Mojokerto. *International Journal of Business Continuity and Risk Management*, 11(2-3), 247-262. <https://www.inderscienceonline.com/doi/pdf/10.1504/IJBCRM.2021.116283>
- [23] Artika, K., Firdaus, M., & Irawan, T. (2019). Volatility and transmission of shallot commodity prices in Indonesia. *International Journal of Scientific Research in Science, Engineering*



- and *Technology*, 6(5), 50-61.  
<https://doi.org/10.32628/IJSRSET19657>
- [24] Pesaran, M. H. (2021). General diagnostic tests for cross-sectional dependence in panels. *Empirical Economics*, 60(1), 13-50.  
<https://doi.org/10.1007/s00181-020-01875-7>
- [25] Pesaran, M. H. (2007). A simple panel unit root test in the presence of cross-section dependence. *Journal of applied econometrics*, 22(2), 265-312.  
<https://doi.org/10.1002/jae.951>
- [26] Pedroni, P. (1999). Critical values for cointegration tests in heterogeneous panels with multiple regressors. *Oxford Bulletin of Economics and statistics*, 61(S1), 653-670.
- [27] Pedroni, P. (2004). Panel cointegration: asymptotic and finite sample properties of pooled time series tests with an application to the PPP hypothesis. *Econometric theory*, 20(3), 597-625.  
<https://doi.org/10.1017/S0266466604203073>
- [28] Pedroni, P. (2001). Fully modified OLS for heterogeneous cointegrated panels. In *Nonstationary panels, panel cointegration, and dynamic panels*. Emerald Group Publishing Limited.  
[https://doi.org/10.1016/S0731-9053\(00\)15004-2](https://doi.org/10.1016/S0731-9053(00)15004-2)
- [29] Pedroni, P. (2001). Purchasing power parity tests in cointegrated panels. *Review of Economics and statistics*, 83(4), 727-731.  
<https://doi.org/10.1162/003465301753237803>
- [30] Anwar, C. J., & Nicholas, O. (2020). Causality Relationship between Central Bank Reforms and Inflation: Evidence from Developing Countries. *Signifikan: Jurnal Ilmu Ekonomi*, 9(1), 15-30.  
<https://doi.org/10.15408/sjie.v9i1.10955>
- [31] Sims, C. A. (1972). Money, income, and causality. *The American economic review*, 62(4), 540-552.  
<https://www.jstor.org/stable/1806097>
- [32] Dumitrescu, E. I., & Hurlin, C. (2012). Testing for Granger non-causality in heterogeneous panels. *Economic modelling*, 29(4), 1450-1460.  
<https://doi.org/10.1016/j.econmod.2012.02.014>
- [33] Banerjee, A., Marcellino, M., & Osbat, C. (2004). Some cautions on the use of panel methods for integrated series of macroeconomic data. *The Econometrics Journal*, 7(2), 322-340.  
<https://doi.org/10.1111/j.1368-423X.2004.00133.x>
- [34] Breitung, J., & Pesaran, M. H. (2008). Unit roots and cointegration in panels. In *The econometrics of panel data* (pp. 279-322). Springer, Berlin, Heidelberg.  
[https://doi.org/10.1007/978-3-540-75892-1\\_9](https://doi.org/10.1007/978-3-540-75892-1_9)
- [35] Kao, C. (1999). Spurious regression and residual-based tests for cointegration in panel data. *Journal of econometrics*, 90(1), 1-44.  
[https://doi.org/10.1016/S0304-4076\(98\)00023-2](https://doi.org/10.1016/S0304-4076(98)00023-2)
- [36] Johansen, S. (1991). Estimation and hypothesis testing of cointegration vectors in Gaussian vector autoregressive models. *Econometrica: journal of the Econometric Society*, 1551-1580.  
<https://doi.org/10.2307/2938278>
- [37] Miao, X., Yu, B., Xi, B., & Tang, Y. H. (2011). Risk and regulation of emerging price volatility of non-staple agricultural commodity in China. *African Journal of Agricultural Research*, 6(5), 1251-1256.  
<https://doi.org/10.5897/AJAR09.003>
- [38] Nurliza, N. (2017). The Nature of Food Commodity Prices Volatility in Driving Inflation and Policy. *Signifikan: Jurnal Ilmu Ekonomi*, 6(1), 103-124.  
<http://dx.doi.org/10.15408/sjie.v6i1.4523>
- [39] Fasanya, I. O., & Adekoya, O. B. (2017). Modelling inflation rate volatility in Nigeria with structural breaks. *CBN Journal of Applied Statistics*, 8(1), 175-193.  
<https://www.econstor.eu/bitstream/10419/191694/1/1020627476.pdf>
- [40] Saman, C., & Alexandri, C. (2018). The impact of the world food price index on some East-European economies. *Journal of Business Economics and Management*, 19(2), 268-287.  
<https://doi.org/10.3846/jbem.2018.5208>
- [41] Hossain, A. A., & Raghavan, M. (2020). Time-Variant Sources of Inflation and Inflation Volatility, Their Interrelations and Effects on Macroeconomic Fluctuations: Evidence from Indonesia and Thailand. *Journal of Business and Economic Analysis*, 3(3), 228-267.  
<https://doi.org/10.36924/sbe.2020.3302>
- [42] Ozdurak, C. (2021). Major Determinants of Food Price Volatility in Turkey: Inflation Surge Aftermath of 2016. *Journal of Business Economics and Finance*, 10(3), 103-

114.

<https://doi.org/10.17261/Pressacademia.2021.1.1444>

- [43] Mishra, A., & Agarwal, A. (2021). Food commodity price volatility and its nexus with monetary factor: an empirical analysis of India. *International Journal of Management Practice*, 14(1), 88-106. <https://www.inderscienceonline.com/doi/pdf/10.1504/IJMP.2021.111748>
- [44] Sitorus, R. S., & Ayu, S. F. (2020, February). The influence of food price fluctuation on inflation in Padang Sidempuan City, North Sumatera Province. In *IOP Conference Series: Earth and Environmental Science* (Vol. 454, No. 1, p. 012023). IOP Publishing. <https://doi.org/10.1088/1755-1315/454/1/012023>

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The authors have no conflict of interest to declare.

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