

**PENGARUH FAKTOR MAKROEKONOMI TERHADAP HARGA SAHAM
DI NEGARA EMERGING MARKET**

DISERTASI

**Diajukan untuk Memenuhi Sebagian dari Syarat untuk Memperoleh Gelar Doktor
Manajemen Program Studi Doktor Ilmu Manajemen**



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Pernyataan Keaslian Disertasi

Dengan ini saya menyatakan bahwa disertasi dengan judul "*Pengaruh Faktor Makroekonomi Terhadap Harga Saham di Negara Emerging Market*" ini beserta seluruh isinya adalah benar-benar karya saya sendiri. Saya tidak melakukan penjiplakan atau pengutipan dengan cara-cara yang tidak sesuai dengan etika ilmu yang berlaku dalam masyarakat keilmuan. Atas pernyataan ini, saya siap menanggung risiko/sanksi apabila di kemudian hari ditemukan adanya pelanggaran etika keilmuan atau ada klaim dari pihak lain terhadap keaslian karya sayaini

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(Pada Enam Negara Emerging Market Dengan Menggunakan Pendekatan VECM)**

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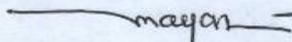
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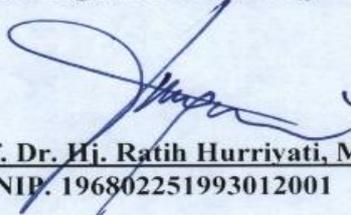
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ABSTRAK

Endang Mahpudin. 2020. " *Pengaruh Faktor Makroekonomi Terhadap Harga Saham di Negara Emerging Market* " Program Studi Doktor Ilmu Manajemen. Sekolah Pascasarjana, Universitas Pendidikan Indonesia. Promotor Prof. Dr. H. Disman, M.Si, Co-Promotor Prof. Dr. Nugraha, SE., M.Si., Ak., CA, Anggota Dr. Mayasari., SE., MM

Penelitian ini fokus untuk mengidentifikasi pengaruh 4 (empat) faktor makro ekonomi (suku bunga, nilai tukar, inflasi dan jumlah uang beredar) terhadap harga saham di negara *emerging market* (China, Korea Selatan, Taiwan, India, Brazil dan Indonesia). Untuk periode Tahun 2004 sampai dengan Tahun 2018. Pengaruh tersebut diidentifikasi menggunakan model *Vector Error Correction Model* (VECM).

Uji data stationer menggunakan metode Augmented Dickey Fuller (ADF) menunjukkan bahwa seluruh variabel (suku bunga, nilai tukar, inflasi dan jumlah uang beredar) lag optimalnya terletak pada lag 2 dan 3, sedangkan uji kausalitas Granger menunjukkan bahwa pola arah hubungan dari Inflasi, Suku Bunga, dan Nilai Tukar satu arah kepada Harga Saham. Hasil penelitian juga menunjukkan bahwa Harga Saham dipengaruhi inflasi, nilai tukar dan suku bunga namun jumlah uang beredar tidak memiliki pengaruh jangka panjang maupun jangka pendek terhadap harga saham, hal ini menunjukkan Teori Arbitrase Pricing Theory (APT), relevan dengan hasil penelitian

Kata Kunci: Makroekonomi, VECM, Emerging Market.

ABSTRAC

Endang Mahpudin. 2019. " *Effect of Macroeconomic Factors on Stock Prices in Emerging Market Countries*" Doctor of Management Science Study Program, Postgraduate School, Universitas Pendidikan. Promoters Prof. Dr. H. Disman, M.Sc., Co-Promoter Prof. Dr. Nugraha, SE., M.Sc., Ak., CA., Member Dr. Mayasari., SE., M.M.

This study focuses on identifying the influence of 4 (four) macroeconomic factors (interest rates, exchange rates, inflation and money supply) on Stock Prices in emerging market countries (China, South Korea, Taiwan, India, Brazil and Indonesia) within the period of 2004 until 2018. The influence was identified using the *Vector Error Correction Model* (VECM).

Stationary data test using the Augmented Dickey Fuller (ADF) method shows that all variables (interest rates, exchange rates, inflation and money supply) optimal lag lie on lag 2 and 3, while the Granger causality test reveals that the pattern of the relationship direction of Inflation, Rates Interest, and Exchange Rates is one-way to Stock Prices. The results also prove that stock prices are influenced by inflation, exchange rates, and interest rates. Money supply, however, has no long-term nor short-term influences on stock prices. This exhibits that the Arbitration Pricing Theory (APT) Theory is relevant to the results of research.

Keywords: Macroeconomics, VECM, Emerging Market.

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DAFTAR PUSTAKA

- Abayomi, O., Akinhanmi, A. O., & Adelufosi, A. O. (2015). Psychiatric morbidity and subjective burden among carers of outpatients of a psychogeriatric clinic in Southwestern Nigeria. *Journal of cross-cultural gerontology*, 30(4), 439-450. <https://doi.org/10.1007/s10823-015-9274-9>
- Abbasi, M. Z. (2010). The Ascent of Money: A Financial History of the World. *International Journal of Law and Management..* <https://doi.org/10.1108/17542431011059359>
- Abdullah, D. A., & Hayworth, S. C. (2013). University of Nebraska-Lincoln College of Business Administration Macroeconometrics of Stock Price Fluctuations. *Journal of Business and Economics*, 32(1), 50–67.
- Adrangi, B., Chatrath, A., & Sanvicente, A. Z. (1998). Inflation, Output, And Stock Prices: Evidence From Brazil. *The Journal of Applied Business Research*, 18(1), 61–77.
- Afriyeni, A., & Marlius, D. (2019). Analisis Tingkat Pengembalian Dan Risiko Investasi (Studi Pada Industri Manufaktur Yang Terdaftar Di Bursa Efek Indonesia).
- Agus Arianto Toly. (2009). Analyzing Accounting Ratios as Determinants of the LQ45 Stock Prices Movements in Indonesia Stock Exchange During the Period of 2002-2006. *Jurnal Akuntansi Dan Keuangan*, 11(2), 76–87. <https://doi.org/10.9744/jak.11.2.pp.76-87>
- Ajayi, R. A., & Mougoue, M. (1996). on the Dynamic Relation Between Stock Prices and Exchange Rates. *The Journal of Financial Research*, XIX(2), 193–207. <https://doi.org/10.1111/j.1475-6803.1996.tb00593.x>

- Allen, D. E., Amram, R., & McAleer, M. (2013). Volatility spillovers from the Chinese stock market to economic neighbours. *Mathematics and Computers in Simulation*, 94, 238-257. <https://doi.org/10.1016/j.matcom.2013.01.001>
- Amadeo, K. (2018). What Are Emerging Markets? Five Defining Characteristics. Retrieved March 22. [online] diakses dari <https://www.thebalance.com/what-are-emerging-markets-3305927>
- Amir, N., Taylor, C. T., & Donohue, M. C. (2011). Predictors of response to an attention modification program in generalized social phobia. *Journal of consulting and clinical psychology*, 79(4), 112–112. doi:10.1037/a0031157
- Andriana, D. (2015). Pengaruh Nilai Tukar Terhadap Harga Saham Setelah Initial Public Offering (IPO). *Jurnal Riset Akuntansi dan Keuangan*, 3(3), 761-767.
- Anggarini, D. T. (2016). Analisa Jumlah Uang Beredar di Indonesia Tahun 2005-2014. *Moneter-Jurnal Akuntansi dan Keuangan*, 3(2).
- Arifin, Z. (2016). Penerapan Metode Analytical Hierarchy Process (AHP) Untuk Menentukan Sisa Hasil Usaha Pada Koperasi Pegawai Negeri. *Informatika Mulawarman: Jurnal Ilmiah Ilmu Komputer*, 5(2), 1-12. <https://doi.org/10.17605/JIM.V5I2.60>
- Asprem, M. (1989). Stock prices, asset portfolios and macroeconomic variables in ten European countries. *Journal of Banking and Finance*, 13(4–5), 589–612. [https://doi.org/10.1016/0378-4266\(89\)90032-0](https://doi.org/10.1016/0378-4266(89)90032-0)
- Atmadja, A. S. (2002). Analisa pergerakan nilai tukar rupiah terhadap dolar Amerika Setelah Diterapkannya kebijakan sistem nilai tukar mengambang bebas di Indonesia. *Jurnal Akuntansi dan keuangan*, 4(1), 69-78. <https://doi.org/10.9744/jak.4.1.pp.69-78>
- Bean, N. M., Lucas, L., & Hyers, L. L. (2014). Mentoring in higher education should be the norm to assure success: Lessons learned from the faculty

- mentoring program, West Chester University, 2008–2011. *Mentoring & Tutoring: Partnership in Learning*, 22(1), 56-73.
- Bekaert, G., & Harvey, C. R. (1995). Time-varying world market integration. *the Journal of Finance*, 50(2), 403-444. <https://doi.org/10.1111/j.1540-6261.1995.tb04790.x>
- Benaković, D., & Posedel, P. (2010). Do macroeconomic factors matter for stock returns? Evidence from estimating a multifactor model on the Croatian market. *Business Systems Research*, 1(1–2), 1–13. <https://doi.org/10.2478/v10305-012-0023-z>
- Berry, et.al. (1988) *Five Imperative for Improving Service Quality Managing Services*, Editor: Lovelock, New Jersey: Prentice Hall International.
- Bhattacharya, C. B., Korschun, D., & Sen, S. (2009). Strengthening stakeholder–company relationships through mutually beneficial corporate social responsibility initiatives. *Journal of Business ethics*, 85(2), 257-272.
- Bilson, C. M., Brailsford, T. J., & Hooper, V. J. (2001). Selecting macroeconomic variables as explanatory factors of emerging stock market returns. *Pacific Basin Finance Journal*, 9(4), 401-426.
- Boediono, (1990). *Ekonomi Makro. Edisi Keempat*, BPFE, Yogyakarta.
- Boediono. (1996). *Ekonomi Makro. Seri Sinopsis Pengantar Ilmu Ekonomi (4th ed.)*. Yogyakarta: BFFE.
- Bondzie, E. A., Fosu, G. O., & Okyere, G. A. (2014). Does Foreign Direct Investment Really Affect Ghana's Economic Growth?, (69237).
- Brigham, E. F., & Houston, J. F. (2010). *Manajemen Keuangan Edisi Kedelapan*. Erlangga Jakarta. [https://doi.org/10.1016/0377-841X\(78\)90069-4](https://doi.org/10.1016/0377-841X(78)90069-4)

- Bulmash, S. B., & Trivoli, G. W. (1991). Time-Lagged Interactions Between Stock Prices and Selected Economic Variables. *The Journal of Portfolio Management*, 17(4), 61–67.
- Büyüksalvarci, A., & Abdioglu, H. (2010). Corporate Governance, Financial Ratios and Stock Returns: An Empirical Analysis of İstanbul Stock Exchange (ISE). *International Research Journal of Finance and Economics*, 57, 70-81.
- Campbell, J. Y. (1996). Understanding risk and return. *Journal of Political economy*, 104(2), 298-345. <https://doi.org/10.1086/262026>
- Chairil; hamidi; prima. (2011). Inflasi dan Kenaikan Harga Beras. *Warta Ekonomi*.
- Chaudhuri, K., & Smiles, S. (2004). Stock market and aggregate economic activity: Evidence from Australia. *Applied Financial Economics*, 14(2), 121–129. <https://doi.org/10.1080/0960310042000176399>
- Chen, M. H., Kim, W. G., & Kim, H. J. (2005). The impact of macroeconomic and non-macroeconomic forces on hotel stock returns. *International Journal of Hospitality Management*, 24(2), 243-258. <https://doi.org/10.1016/j.ijhm.2004.06.008>
- Chen, N.-F., Roll, R., & Ross, S. A. (1986). Economic Forces and the Stock Market. *Economic Forces and the Stock Market*. Source: *The Journal of Business*, 59(2), 383–403. <https://doi.org/10.1016/j.jempfin.2005.09.001>
- Cheung, Y.-W., & Ng, L. K. (1998). International evidence on the stock market and aggregate economic activity. *Journal of Empirical Finance*, 5(3), 281–296. [https://doi.org/10.1016/S0927-5398\(97\)00025-X](https://doi.org/10.1016/S0927-5398(97)00025-X)
- Chinzara, Z. (2011). Macroeconomic uncertainty and conditional stock market volatility in South Africa. *South African Journal of Economics*, 79(1), 27-49. <https://doi.org/10.1111/j.1813-6982.2011.01262.x>

- Daferighe, E. E., & Aje, S. O. (2009). The Impact Analysis of Real Gross Domestic Product, Inflation and Interest Rates on Stock Prices of Quoted Companies in Nigeria. *International Research Journal of Finance and Economics*, 25, 53-63.
- Danang Sunyoto. 2014. *Dasar-dasar manajemen pemasaran*. Cetakan Pertama. Yogyakarta: CAPS.
- Darmadji, T., & M.H, F. (2006). *Pasar Modal di Indonesia Pendekatan Tanya Jawab*. Jakarta: Salemba Empat.
- Das, R. (2010). *Forecasting Money Supply in India: Remaining Policy Issues*. Munich Personal RePEc Archive, (22999).
- Dey, M. K. (2005). Turnover and return in global stock markets. *Emerging Markets Review*, 6(1), 45-67. <https://doi.org/10.1016/j.ememar.2004.09.003>
- Dritsaki, C and A. Adamopoulos. (2004). A Causal Relationship Between Trade, Foreign Direct Investment, and Economic Growth for Greece. *American Journal of Applied Sciences*,3(1), hlm. 230-239.
- Efni, Y. (2009). Pengaruh suku bunga deposito, sbi, kurs dan inflasi terhadap harga Saham perusahaan real estate dan property di BEI. *Jurnal Ekonomi Universitas Riau*, 17(01).
- El-Nader, H. M., & Alraimony, A. D. (2012). The impact of macroeconomic factors on Amman stock market returns. *International Journal of Economics and Finance*, 4(12), 202-213. <https://doi.org/10.5539/ijef.v4n12p202>
- Endri. 2010. Keterkaitan Pasar Saham Berkembang dan Maju: Implikasi Diversifikasi Portofolio Internasional. *Jurnal Ekonomi Bisnis* No. 2, Volume 15, hlm. 105-119.
- Engsted, T., & Tanggaard, C. (2002). The relation between asset returns and inflation at short and long horizons. *Journal of International Financial Markets*,

Institutions and Money, 12(2), 101–118. [https://doi.org/10.1016/S1042-4431\(01\)00052-X](https://doi.org/10.1016/S1042-4431(01)00052-X)

Fabozzi, J., & Modigliani, F. (1996). *Capital markets : institutions and instruments*. English: Englewood Cliffs, N.J. : Prentice Hall International.

Fakhrudin, H. M. (2008). *Istilah pasar modal AZ: berisi kumpulan istilah populer pasar modal khususnya di pasar modal Indonesia, mencakup berbagai istilah seputar perdagangan saham, obligasi, reksa dana, instrumen derivatif dan berbagai istilah terkait lainnya*. Elex Media Komputindo.

Fama, E. F. (1981). Stock Returns, Real Activity, Inflation, and Money. *American Economic Association Stock Returns The American Economic Review*, 71(4), 545–565. <https://doi.org/10.2307/1806180>

Fama, E. F., & French, K. R. (1998). Taxes, Financing Decisions, and Firm Value Eugene. *The Journal OfFinance*, 53(3), 819–843.

Febriananda, F., & Gunanto, E. Y. A. (2011). *Analisis Faktor-Faktor Yang Mempengaruhi Investasi Dalam Negeri di Indonesia Periode Tahun 1988-2009* (Doctoral dissertation, Universitas Diponegoro).

Fisher, I. (2006). The Debt-Deflation Theory of Great Depressions. *Econometrica*. <https://doi.org/10.2307/1907327>

Flannery, M.J., and Protopapadakis, A.A. (2002). Macroeconomic factors do influence aggregate stock returns. *Review of Financial Studies*, 15: 751-782.

Forson, J., & Janrattanagu, J. (2013). Selected Macroeconomic Variables and Stock Market Movements: Empirical Evidence from Thailand. *Comtemporary Economics*, 8(2), 154- 174.

French, K. R., Schwert, G. W., & Stambaugh, R. F. (1987). Expected stock returns and volatility. *Journal of financial Economics*, 19(1), 3-29. [https://doi.org/10.1016/0304-405X\(87\)90026-2](https://doi.org/10.1016/0304-405X(87)90026-2)

- Friedman, M. (1961). The lag in effect of monetary policy. *Journal of Political Economy*, 69(5), 447-466.
- Gallagher, L. A., & Taylor, M. P. (2002). Permanent and temporary components of stock prices: Evidence from assessing macroeconomic shocks. *Southern Economic Journal*, 345-362. <https://doi.org/10.2307/1061676>
- Gan, C., Lee, M., Hwa, H., Yong, A., & Zhang, J. (2006). Macroeconomic Variables and Stock Market Interactions : New Zealand Evidence. *Investment Management and Financial Innovations*, 3(4), 89–101.
- Garcia, V. F., & Liu, L. (1999). Macroeconomic determinants of stock market development. *Journal of Applied Economics*, 2(1), 29-59. <https://doi.org/10.1080/15140326.1999.12040532>
- Gay Robert, Jr., D. (2008). Effect of Macroeconomic Variables on Stock Market Returns for Four Emerging Economies: Brazil, Russia, India, And China. *International Finance and Economic Journal*.
- Gay, R. D. (2008). On Stock Market Returns. *International Business & Economics Research Journal*. <https://doi.org/10.1080/00036840600820663>
- George, G., & Bock, A. J. (2011). The business model in practice and its implications for entrepreneurship research. *Entrepreneurship theory and practice*, 35(1), 83-111. <https://doi.org/10.1111/j.1540-6520.2010.00424.x>
- Gjerde, O., & Sættem, F. (1999). Causal relations among stock returns and macroeconomic variables in a small , open economy. *Journal of International Financial Markets, Institutions and Money*, 9(1042), 61–74. [https://doi.org/10.1016/S1042-4431\(98\)00036-5](https://doi.org/10.1016/S1042-4431(98)00036-5)
- Goeltom, M. S., & Zulverdi, D. (1998). Manajemen Nilai Tukar di Indonesia dan Permasalahannya. *Buletin Ekonomi Moneter dan Perbankan*, 1(2), 69-91.

- Gordon, R. J. (2012). Is US economic growth over? Faltering innovation confronts the six headwinds (No. w18315). National Bureau of Economic Research. <https://doi.org/http://www.nber.org/papers/w18315.pdf>
- Graham, J. R., & Harvey, C. R. (2001). The theory and practice of corporate finance: Evidence from the field. *Journal of Financial Economics*, 60(2–3), 187–243. [https://doi.org/10.1016/S0304-405X\(01\)00044-7](https://doi.org/10.1016/S0304-405X(01)00044-7)
- Gujarati, D. N. (2004). *Basic Econometrics* 4th Edition. New York. <https://doi.org/10.1126/science.1186874>
- Hanafi, M. (2008). *Konsep Dasar dan Perkembangan Teori Manajemen. Manajemen.*
- Hardiningsih, P. (2008). Analisis faktor-faktor yang mempengaruhi voluntary disclosure laporan tahunan perusahaan. *Jurnal Bisnis dan Ekonomi*, 15(1).
- Hartomo, H. A. (2017). Pengaruh Jumlah Uang Beredar dan Kurs terhadap Tingkat Inflasi di Indonesia Sebelum dan Setelah Krisis Global 2009. *Media Ekonomi*, 18(3), 1-22.
- Hartono, E. (2009). Analisis efisiensi biaya industri perbankan indonesia dengan menggunakan metode parametrik stochastic frontier analysis (studi pada perbankan yang terdaftar di Bursa Efek Indonesia periode 2004-2007) (Doctoral dissertation, program Pascasarjana Universitas Diponegoro).
- Haryono, E., Nugroho, W. A., & Pratomo, W. (2000). Mekanisme pengendalian moneter dengan inflasi sebagai sasaran tunggal. *Buletin Ekonomi Moneter dan Perbankan*, 2(4), 68-122.
- Hermawati, A. (2013). Pentingnya Implementasi Rasio Aktivitas, Rasio Leverage Berbasis Rasio Likuiditas dan Rasio Rentabilitas pada Bumh dalam Upaya Analisis Evaluasi Efisiensi Penggunaan Modal Kerja. *Jurnal Ekonomi Modernisasi*, 9(2), 82-94. <https://doi.org/10.21067/jem.v9i2.199>

- Hiang Liow, K. (2013). Volatility interdependence in European real estate securities markets. *Journal of European Real Estate Research*, 6(2), 117–138. doi:10.1108/jerer-10-2012-0026
- Hooker, M. A. (2004). Macroeconomic factors and emerging market equity returns: A Bayesian model selection approach. *Emerging Markets Review*, 5(4), 379–387. <https://doi.org/10.1016/j.ememar.2004.09.001>
- Hosseini, S. M., Ahmad, Z., & Lai, Y. W. (2011). The Role of Macroeconomic Variables on Stock Market Index in China and India. *International Journal of Economics and Finance*, 3(6), 233–243. <https://doi.org/10.5539/ijef.v3n6p233>
- Hsing, Y. (2011). The stock market and macroeconomic variables in a BRICS country and policy implications. *International Journal of Economics and Financial Issues*, 1(1), 12-18.
- Humpe, A., and Macmillan, P. (2009). Can macroeconomic variables explain long-term stock market movements? A comparison of the US and Japan. *Applied Financial Economics*, 19: 111-119.
- Hussain, A., & Muhammad, S. D. (2010). The role of exchange rate on balance of trade: empirical from Pakistan. *European Journal of Social Sciences*, 14(1), 150.
- Irawan, A. (2016). Analisis Perilaku Instabilitas, Pergerakan Harga, Kesempatan Kerja dan Investasi di Sektor Pertanian Indonesia: Aplikasi Vector Error Correction Model.
- Irwhantoko, I., & Basuki, B. (2016). Carbon Emission Disclosure: Studi pada Perusahaan Manufaktur Indonesia. *Jurnal Akuntansi dan Keuangan*, 18(2), 92-104. <https://doi.org/10.9744/jak.18.2.92-104>
- Issahaku, H. (2013). Macroeconomic Variables and Stock Market Returns in Ghana: Any Causal Link? *Asian Economic and Financial Review*, 3(8), 1044–1062.

- Janero, F dan Negrut, L. 2016. US Stock Market and Macroeconomic Factors. *The Journal of Applied Business Research*, 32(1), hlm. 325-340.
- Jogiyanto. 2007. *Teori Portofolio dan Analisis Investasi*. Edisi Keempat. Yogyakarta: BPF.
- Kaminsky, G. L., & Reinhart, C. M. (1999). The twin crises: the causes of banking and balance-of-payments problems. *American economic review*, 89(3), 473-500. <https://doi.org/10.1257/aer.89.3.473>
- Kandir, S. Y. (2008). Macroeconomic variables, firm characteristics and stock returns: Evidence from Turkey. *International research journal of finance and economics*, 16(1), 35-45.
- Kewal, S. S. (2012). Pengaruh inflasi, suku bunga, kurs, dan pertumbuhan PDB terhadap indeks harga saham gabungan. *Jurnal Economia*, 8(1), 53-64.
- Keynes, J. M. (1937). The general theory of employment. *The quarterly journal of economics*, 51(2), 209-223. <https://doi.org/10.2307/1882087>
- Kim, K. H. (2003). Dollar exchange rate and stock price: Evidence from multivariate cointegration and error correction model. *Review of Financial Economics*, 12(3), 301– 313. [https://doi.org/10.1016/S1058-3300\(03\)00026-0](https://doi.org/10.1016/S1058-3300(03)00026-0)
- Kitatia, E., Zablonb, E., & Maithyac, H. (2015). Effect of macro-economic variables on stock market prices for the companies quoted on the nairobi securities exchange in Kenya. *International Journal of Sciences: Basic and Applied Research*, 21(2), 235-263.
- Krugman, P. R., Obstfeld, M., & Melitz, M. J. (2012). *International economics : theory and policy 9th edition*. Policy. <https://doi.org/10.1111/j.1525-139X.2009.00678>.
- Kuncoro, M. (2010). *Metode kuantitatif. teori dan aplikasi untuk bisnis dan ekonomi*. In System.

- Kurniadi, A., Achsani, N. A., & Sasongko, H. (2014). Kinerja Keuangan Berbasis Penciptaan Nilai, Faktor Makroekonomi, dan Return Saham Sektor Pertanian. *Jurnal manajemen dan kewirausahaan*, 16(2), 141-152. <https://doi.org/10.9744/jmk.16.2.141-152>
- Kuwornu, J. K. M. (2012). Effect of Macroeconomic Variables on the Ghanaian Stock Market Returns: A Co-integration Analysis. *Agris On-Line Papers in Economics and Informatics*, IV(2), 15–26. <https://doi.org/10.1080/09603107.2010.522519>
- Lanka, S. R. I. (2015). *the Landscape for Impact Investing. Global Impact Investing Network and Open Capital.*
- Lean, H. H., & Smyth, R. (2012). REITs, interest rates and stock prices in Malaysia. *International Journal of Business and Society*, 13(1), 49-62. <https://doi.org/10.3846/1648715X.2014.925006>
- Luo, Y., & Tung, R. L. (2007). International expansion of emerging market enterprises: A springboard perspective, hlm. 481-198.
- Ma, C. K., & Kao, G. W. (1990). on Exchange Rate Changes and Stock Price Reactions. *Journal of Business Finance & Accounting*, 17(3), 441–449.
- Mankiw N, G. (2006). *Pengantar Ekonomi Makro.* New York: Worth Publisher.
- Mankiw, N.G. (2000). *Teori Makroekonomi.* Jakarta: Erlangga
- Manurung, A.H dan Rizky, L.T. (2009), *Succesful Financial Planner : A. Complete Guide,* Jakarta: Grasindo.
- Marliani, L. E. (2014). *Kajian Strategi Revitalisasi Pertanian Indonesia dalam Rangka Menghadapi Asean Economic Community 2015. Seminar Nasional Ekonomi Dan Bisnis (SNEB).*

- Maru'ao, D. (2010). Neural Network Implementation in Foreign Exchange Kurs Prediction. Gunadarma University, Faculty of Industrial Engineering. <https://doi.org/10.1016/j.ijthermalsci.2008.10.001>
- Maysami, R. C., & Koh, T. S. (2000). A vector error correction model of the Singapore stock market. *International Review of Economics & Finance*, 9(1), 79-96. [https://doi.org/10.1016/S1059-0560\(99\)00042-8](https://doi.org/10.1016/S1059-0560(99)00042-8)
- Maysami, R. C., Howe, L. C., & Rahmat, M. A. (2005). Relationship between macroeconomic variables and stock market indices: Cointegration evidence from stock exchange of Singapore's all-S sector Indices. *Jurnal Pengurusan (UKM Journal of Management)*, 24.
- McEachrn, William A. 2000. *Ekonomi Makro. Pendekatan Kontemporer*. Edisi 1, diterjemahkan oleh Sigit Triandaru Jakarta : Salemba.
- Mishkin, F.S. 2011a. *Ekonomi Uang, Perbankan dan Pasar Keuangan*. Buku 1. Edisi kedelapan. Jakarta: Salemba Empat
- Mohi-u-Din, S., & Mubasher, H. M. (2013). Macroeconomic variables on stock market interactions: The Indian experience. *Advances In Management*, 6(8), 39. <https://www.questia.com/library/journal/1P3-3084107481/macro-economic-variables-on-stock-market-interactions>
- Moleong, Lexy. (2002). *Metodologi Penelitian Kualitatif*. Bandung: PT. Remaja Rosdakarya.
- Moore, T., & Wang, P. (2014). Dynamic linkage between real exchange rates and stock prices: Evidence from developed and emerging Asian markets. *International Review of Economics & Finance*, 29, 1-11. <https://doi.org/10.1016/j.iref.2013.02.004>
- Mukherjee, T. K., & Naka, A. (1995). Dynamic relationship between macroeconomic variables and the Japanese stock market An application of a

vector error correction model. *Journal of Financial Research*, 18(2), 223–237.
<https://doi.org/10.1111/j.1475-6803.1995.tb00563.x>

Nadeem Sohail dan Hussain Zakir. (2010). Macroeconomic Determinants Of Stock Returns In Pakistan: The Case Of Karachi Stock Exchange. *Journal of Advanced Studies in Finance*, 1(2), hlm. 181-187.

Nasseh, A., & Strauss, J. (2000). Stock prices and domestic and international macroeconomic activity: a cointegration approach. *The Quarterly Review of Economics and Finance*, 40(2), 229–245. [https://doi.org/10.1016/S1062-9769\(99\)00054-X](https://doi.org/10.1016/S1062-9769(99)00054-X)

Nkoro, E., & Uko, A. K. (2013). A Generalized Autoregressive Conditional Heteroskedasticity Model of the Impact of Macroeconomic Factors on Stock Returns: Empirical Evidence from the Nigerian Stock Market. *International Journal of Financial Research*, 4(4), 38–51.
<https://doi.org/10.5430/ijfr.v4n4p38>

Okoli, M. N. (2012). Return-Volatility Interactions in the Nigerian Stock Market. *Asian Economic and Financial Review*, 2(2), 389–399. Retrieved from <https://ideas.repec.org/a/asi/aeafjr/2012p389-399.html>

Pal, K., & Mittal, R. (2011). Impact of macroeconomic indicators on Indian capital markets. *The journal of risk finance*, 12(2), 84-97.

Pollin, R. (1991). Two Theories of Money Supply Endogeneity: Some Empirical Evidence. *Journal of Post Keynesian Economics*, 13(3), 366–396.
<https://doi.org/10.1080/01603477.1991.11489855>

Purbasari, I. (2017). Interdependensi Varian Dinamis Dan Transmisi Volatilitas Pada Pasar Saham Asean. *Tirtayasa Ekonomika*, 12(1), 42-52.

Rapach, D. E., Wohar, M. E., & Rangvid, J. (2005). Macro variables and international stock return predictability. *International Journal of Forecasting*, 21(1), 137–166. <https://doi.org/10.1016/j.ijforecast.2004.05.004>

- Ratanapakorn, O., & Sharma, S. C. (2007). Dynamic analysis between the US stock returns and the macroeconomic variables. *Applied Financial Economics*, 17(5), 369–377. <https://doi.org/10.1080/09603100600638944>
- Reilly. K. Frank., et.al. (2000) *Investment analysis & Portofolio Management* 6th edition. The Dryden Press.
- Ross, S. (1976). The Arbitrage Theory of Capital Asset Pricing. *Journal of Economic Theory*, 13, 341–360. [https://doi.org/10.1016/0022-0531\(76\)90046-6](https://doi.org/10.1016/0022-0531(76)90046-6)
- Rumengan, A. W., Tommy, P., & Taroreh, R. (2015). Tingkat Inflasi, Suku Bunga, Earning Pershare, Dan Devidend Payout Ratio Pengaruhnya Terhadap Harga Saham Perusahaan Telekomunikasi Yang Go Public Di Bursa Efek Indonesia. *Jurnal EMBA: Jurnal Riset Ekonomi, Manajemen, Bisnis dan Akuntansi*, 3(3).
- Sachs, J. D. (2007). Macroeconomics and health: investing in health for economic development. *Revista Panamericana de Salud Pública*. <https://doi.org/10.1590/s1020-49892002000800017>
- Salameh, H. M., Al-Zu'bi, B., Al-Zubi, K. A., & Magableh, I. K. (2012). Oil price and stock market index in exporting and importing countries : evidence from MENA Hussein Mohammad Salameh Khaled Abdelal Al-Zubi Ihab Khaled Magableh, 2(4), 363–379.
- Sardar MN Islam. (2008). *Corporate Goverment and Firm Value*. First Edition, Wagon Lane, Bigley BD16 WA, UK: Emerald Group.
- Sargent, R. G. (2013). Verification and validation of simulation models. *Journal of simulation*, 7(1), 12-24.
- Schmidt, M., Schmidt, S. A. J., Sandegaard, J. L., Ehrenstein, V., Pedersen, L., & Sørensen, H. T. (2015). The Danish National Patient Registry: a review of content, data quality, and research potential. *Clinical epidemiology*, 7, 449. <https://doi.org/10.2147/CLEP.S91125>

- Sekaran, U. (2014). *Research Methods for Business*. Jakarta: Salemba empat.
- Sharfe, S. A. (2002). Reexamining Stock Valuation and Inflation: The Implication of Analysts' Earnings Forecasts. *Review of Economics and Statistics*, 84(4), 632–648.
- Sjafii, A. (2009). Pengaruh Investasi fisik dan investasi pembangunan manusia terhadap pertumbuhan ekonomi Jawa Timur 1990-2004. *Journal of Indonesian Applied Economics*, 3(1).
- Smith, D. J. (2008). Moving from an efficient to a behavioral market hypothesis. *The Journal of Behavioral Finance*, 9(2), 51-52. <https://doi.org/10.1080/15427560802093589>
- Stephens, P. A., et.al. (2005). Information theory and hypothesis testing: a call for pluralism. *Journal of Applied Ecology*, 42(1), 4-12.
- Sudarismiati, A. (2008). Analisa Pengaruh Perdagangan Valuta Asing Terhadap Fluktuasi Nilai Tukar Rupiah. *Jurnal Akuntansi, Manajemen Bisnis Dan Sektor Publik (JAMBSP)*, 5.
- Sujarweni, V Wiratna. 2015. *Metodologi Penelitian Bisnis dan Ekonomi*. Yogyakarta: Pustaka Baru Press
- Sukirno, Sadono. 2002. *Teori Mikro Ekonomi*. Cetakan Keempat Belas. Rajawali Press: Jakarta.
- Sunariyah, U. G. M. (2003). *Pengantar Pengetahuan Pasar Modal Edisi Ketiga*. Yogyakarta: UPP AMP YKPN. Kas Dan Laba Akuntansi Terhadap Return Saham Pada Perusahaan Berkapitalisasi Besar. *Akuntansi Dan Keuangan*.
- Surbakti, Edhy Priyatna Anugrah. 2011. "Pengaruh Non Farm Payroll, suku bunga bank sentral Amerika Serikat (The Fed), dan Indeks Nikkei 225 terhadap Indeks dari saham perusahaan berbasis Syariah di Jakarta Islamic Index". *Jurnal Akuntansi*, 3(1), hlm. 34-52.

- Sutriawan, A., & Haryanto, A. M. (2013). Analisis Faktor-Faktor Yang Mempengaruhi Harga Saham Perusahaan Manufaktur Di Bei Tahun 2010–2012 (Doctoral dissertation, Fakultas Ekonomika dan Bisnis).
- Svendsen, G. T., & Svendsen, G. L. H. (2006). Social kapital: En introduktion. Hans Reitzels Forlag.
- Talla, J.T. (2013) Impact of Macroeconomic Variables on the Stock Market Prices of the Stockholm Stock Exchange (OMXS30). Master's Thesis, Jonkoping International Business School, Jonkoping.
- Tunali, H. "The Analysis of Relationships between Macroeconomic Factors and Stock Returns: Evidence from Turkey Using VAR Model" International Research Journal of Finance and Economics, 57, hlm.169-182.
- Tunali, H. (2011). Mortgage Sistemi: Temelleri, Gelişimi Ve Krizi. İktisat Fakültesi Mecmuası. Wasserfallen, W. (1989). Macroeconomics news and the stock market. Evidence from Europe. Journal of Banking and Finance, 13(4–5), 613–626. [https://doi.org/10.1016/0378-4266\(89\)90033-2](https://doi.org/10.1016/0378-4266(89)90033-2)
- Utami, M., & Rahayu, M. (2004). Peranan profitabilitas, suku bunga, inflasi dan nilai tukar dalam mempengaruhi pasar modal Indonesia selama krisis ekonomi. Jurnal Manajemen dan Kewirausahaan, 5(2), 123-131. <https://doi.org/10.9744/jmk.5.2.pp.123-131>
- Widarjono, A. (2007). Ekonometrika Teori dan Aplikasi. Yogyakarta : Ekonisia.
- Winarno, H., & Negara, S. Y. (2015). Analisis Productive Maintenance Di Pt. Sankyu Indonesia International. Jurnal Intech Teknik Industri Universitas Serang Raya, 1(1). <https://doi.org/10.1109/TEST.1998.743144>
- Winarno, Wing Wahyu. 2009. Analisis Ekonometrika dan Statistika dengan Eviews. Yogyakarta: UPP STIM YKPN.

- Wulandari, D. A. (2009). Analisis Faktor Fundamental Terhadap Harga Saham Industri Pertambangan dan Pertanian di BEI. *Jurnal Akuntansi & Keuangan*, 1-13.
- Yau, H. Y., & Nieh, C. C. (2006). Interrelationships among stock prices of Taiwan and Japan and NTD/Yen exchange rate. *Journal of Asian Economics*, 17(3), 535–552. <https://doi.org/10.1016/j.asieco.2006.04.006>.
- Yonezawa, Y., & Azeez, A. A. (2010). Financial systems and economic performance: a cross country analysis.
- Yu Hsing, 2011. "Impacts of Macroeconomic Variables on the U.S. Stock Market Index and Policy Implications," *Economics Bulletin, AccessEcon*, vol. 31(1), hlm. 883-892.
- Zukarnain Zakaria dan Sofian Shamsuddin. (2002). Empirical Evidence on the Relationship between Stock Market Volatility and Macroeconomics Volatility in Malaysia. *Journal of Business Studies Quarterly*, 4(2), hlm. 61-71.

Internet

- *) <https://www.investing.com/indices/ipc-historical-data>
- **) <https://www.investing.com/indices/shanghai-composite-historical-data>
- ***) <https://www.investing.com/indices/ise-100-historical-data>
- Banco Central do Brasil. 2019. Broad Money Supply Historical Series. Tersedia pada <http://www.bcb.gov.br/ingles/economic/seriehistmpamp.asp>. Diakses pada tanggal 13 Juni 2019 jam 00.27 WIB.
- Banco Central do Brasil. 2019. SDDS Special Data Dissemination Standard. Tersedia pada <https://www3.bcb.gov.br/sgspub/consultarvalores/consultarValoresSeries.do?method=consultarSeries&series=1178>. Diakses pada tanggal 1 Juni 2019 jam 11.19 WIB.
- Banco Central do Brasil. 2019. SDDS Special Data Dissemination Standard. Tersedia pada <http://www.bcb.gov.br/pec/sdds/ingl/sddsi.htm>. Diakses pada tanggal 12 Juni 2019 jam 23.58 WIB.

- Bank Indonesia. 2019. Special Data Dissemination Standard (SDDS). Tersedia pada <https://www.bi.go.id/sdds/>. Diakses pada tanggal 12 Juni 2019 jam 11.12 WIB.
- Bank Indonesia. 2019. Special Data Dissemination Standard (SDDS). Tersedia pada <https://www.bi.go.id/sdds/>. Diakses pada tanggal 12 Juni 2019 jam 20.37 WIB.
- Bank Indonesia. 2019. Special Data Dissemination Standard (SDDS). Tersedia pada <https://www.bi.go.id/sdds/>. Diakses pada tanggal 13 Juni 2019 jam 11.43 WIB.
- Bank Indonesia. 2019. Statistik Sistem Keuangan Indonesia. Tersedia pada <https://www.bi.go.id/id/statistik/seki/terkini/moneter/Contents/Default.aspx>. Diakses pada tanggal 12 Juni 2019 jam 14.09 WIB.
- Bank Indonesia. 2019. Statistik Sistem Keuangan Indonesia. Tersedia pada <https://www.bi.go.id/id/statistik/seki/terkini/moneter/Contents/Default.aspx>. Diakses pada tanggal 13 Juni 2019 jam 03.07 WIB.
- Bombay Stock Exchange Ltd. 2019. Historical - Indices. Tersedia pada <https://www.bseindia.com/indices/IndexArchiveData.aspx?expandable=1>. Diakses pada tanggal 13 Juni 2019 jam 13.41 WIB.
- Bureau of Statistics of China. 2019. Financial Intermediation: Money Supply. Tersedia pada <http://data.stats.gov.cn/english/easyquery.htm?cn=A01>. Diakses pada tanggal 14 Juni 2019 jam 01.19 WIB.
- Central Bank of the Republic of China (Taiwan). 2019. Financial Statistics Monthly. Tersedia pada <https://www.cbc.gov.tw/ct.asp?xItem=1059&ctNode=535&mp=2>. Diakses pada tanggal 13 Juni 2019 jam 02.20 WIB.
- Central Bank of the Republic of China (Taiwan). 2019. Financial Statistics Monthly. Tersedia pada <https://www.cbc.gov.tw/ct.asp?xItem=1059&ctNode=535&mp=2>. Diakses pada tanggal 13 Juni 2019 jam 02.30 WIB.
- Central Bank of the Republic of China (Taiwan). 2019. Foreign Exchange Regime. Tersedia pada <https://www.cbc.gov.tw/content.asp?CuItem=58820>. Diakses pada tanggal 12 Juni 2019 jam 12.20 WIB.
- International Financial Statistics. 2019. Interest Rates selected indicators. Tersedia pada <http://data.imf.org/regular.aspx?key=61545867>. Diakses pada tanggal 13 Juni 2019 jam 03.00 WIB.

- National Statistics Republic of Cina (Taiwan). 2019. Statistics from Statistical Bureau. Tersedia pada <https://eng.stat.gov.tw/lp.asp?ctNode=1558&CtUnit=712&BaseDSD=7>. Diakses pada 12 Juni 2019 jam 13.12 WIB.
- Organisation for Economic Co-operation and Development. 2019. OECD Data: Economy. Tersedia pada <https://data.oecd.org/price/inflation-cpi.htm>. Diakses pada tanggal 12 Juni 2019 jam 20.27 WIB.
- Taiwan Stock Exchange Corporation. 2019. Summary of Stock Indexes: Monthly Statistics. Tersedia pada <http://www.tse.com.tw/en/statistics/statisticsList?type=07&subType=240>. Diakses pada tanggal 12 Juni 2019 jam 17.31 WIB.
- The Bank for International Settlement. 2019. BIS Statistics Warehouse. Tersedia pada https://stats.bis.org/#ppq=CBP_M_24M. Diakses pada tanggal 13 Juni 2019 jam 02.05 WIB.
- The Bank of Korea. 2019. Economic Statistics System: Monetary and Liquidity Aggregates. Tersedia pada https://ecos.bok.or.kr/flex/EasySearch_e.jsp. Diakses pada tanggal 13 Juni 2019 jam 17.39 WIB.
- The Bank of Korea. 2019. Economic Statistics System: Transactions in Securities and Stock Price Index. Tersedia pada https://ecos.bok.or.kr/flex/EasySearch_e.jsp. Diakses pada tanggal 13 Juni 2019 jam 17.39 WIB.
- The International Monetary Fund (IMF). 2019. Monetary and Financial Statistics. Tersedia pada <https://data.imf.org/?sk=B83F71E8-61E3-4CF1-8CF3-6D7FE04D0930&sId=1390030341854>. Diakses pada tanggal 15 Oktober 2019 jam 21.00 WIB.
- The International Monetary Fund. 2019. Exchange Rate Archives by Month. Tersedia pada https://www.imf.org/external/np/fin/data/param_rms_mth.aspx. Diakses pada tanggal 12 Juni 2019 jam 12.40 WIB.
- The Reserve Bank of India. 2019. Database on Indian Economy: RBI's Data Warehouse. Tersedia pada https://dbie.rbi.org.in/DBIE/dbie.rbi?site=statistics#!3_23. Diakses pada tanggal 13 Juni 2019 jam 23.22 WIB.
- The Shanghai Stock Exchange. 2019. SSE Monthly Market Statistics. Tersedia pada <http://english.sse.com.cn/indices/publications/monthly/>. Diakses pada tanggal 13 Juni 2019 jam 16.24 WIB.