

DAFTAR PUSTAKA

- Ahn, H., & Le, M. H. (2014). An insight into the specification of the *input-output* set for DEA-based bank efficiency measurement. In *Journal für Betriebswirtschaft* (Vol. 64, Issue 1). <https://doi.org/10.1007/s11301-013-0098-9>
- Almeida Neves, S., Cardoso Marques, A., & Moutinho, V. (2020). Two-stage DEA model to evaluate technical efficiency on deployment of battery electric vehicles in the EU countries. *Transportation Research Part D: Transport and Environment*, 86(August), 102489. <https://doi.org/10.1016/j.trd.2020.102489>
- Ameur, F., Oulmane, A., Boudedja, K., Bouzid, A., & Benmehaia, M. A. (2024). Assessing technical efficiency and its determinants for dairy cattle farms in northern Algeria: The two-step DEA-Tobit approach. *New Medit*, 2024(1), 129–142. <https://doi.org/10.30682/nm2401i>
- Anshori, M., & Iswati, S. (2009). *Metodologi Penelitian Kuantitatif*. Pusat Penerbitan dan Percetakan UNAIR (AUP).
- Anwar, M. (2016). the Efficiency of Banks in Indonesia: Sharia Vs. Conventional Banks. *Buletin Ekonomi Moneter Dan Perbankan*, 18(3), 307–332. <https://doi.org/10.21098/bemp.v18i3.552>
- Aprilia, J., & Handayani, S. R. (2018). Pengaruh Capital Adequacy Ratio, Biaya Operasional Per Pendapatan Operasional, Non Performing Loan, dan Loan To Deposit Ratio Terhadap Return on Asset dan Return on Equity. *Jurnal Administrasi Bisnis (JAB)*, 61(3), 172–182.
- Arhinful, R., & Radmehr, M. (2023). The effect of financial leverage on financial performance: evidence from non-financial institutions listed on the Tokyo stock market. *Journal of Capital Markets Studies*, 7(1), 53–71. <https://doi.org/10.1108/JCMS-10-2022-0038>
- Ascarya, & Yumanita, D. (2006). Analisis Efisiensi Perbankan Syariah di Indonesia. *TAZKIA Islamic Finance and Business Review*, 1(2).

- Ascarya, A., & Yumanita, D. (2009). Comparing the Efficiency of Islamic Banks in Malaysia and Indonesia. *Buletin Ekonomi Moneter Dan Perbankan*, 11(2). <https://doi.org/10.21098/bemp.v11i2.237>
- Banker, R. D., Charnes, A., & Cooper, W. W. (1984). Some Models for Estimating Technical and Scale Inefficiencies in Data Envelopment Analysis. *Management Science*, 30(9), 1078–1092. <https://doi.org/10.1287/mnsc.30.9.1078>
- Bukit, D. N., & Yunita, I. (2025). Analysis of Financial Performance Before and After the Covid Pandemic (Case Study on the Oil Palm Plantation Industry Listed on the Indonesia Stock Exchange). *Jurnal Indonesia Sosial Teknologi*, 6(1), 407–415.
- Cahyani, R. (2024). Pengaruh Total Asset Turnover (Tato) dan Net Profit Margin (Npm) terhadap Return on Assets (Roa) Pada PT Kimia Farma Tbk Periode 2013-2022 ARTICLE INFO ABSTRACT. *Cakrawala: Jurnal Ekonomi, Manajemen Dan Bisnis*, 1(2), 99–108. <https://jurnalamanah.com/index.php/cakrawala/index>
- Charnes, A., Cooper, W. W., & Rhodes, E. (1978). Measuring the efficiency of decision making units. *European Journal of Operational Research*, 2(6), 429–444. [https://doi.org/10.1016/0377-2217\(78\)90138-8](https://doi.org/10.1016/0377-2217(78)90138-8)
- Chen, H., Liu, J., Li, Y., Chiu, Y. H., & Lin, T. Y. (2019). A two-stage dynamic undesirable data envelopment analysis model focused on media reports and the impact on energy and health efficiency. *International Journal of Environmental Research and Public Health*, 16(9). <https://doi.org/10.3390/ijerph16091535>
- Coelli, T. J., Rao, D.S.P., & Battese, G. E. (2005). *An Introduction to Efficiency Analysis*. <http://dl.icdst.org/pdfs/files/3a67240be4e2274e4c95655ec16931de.pdf>
- Coelli, T., Rao, D. S. P., & Battese, G. E. (1998). *An Introduction to Efficiency and*

Productivity Analysis. In *An Introduction to Efficiency and Productivity Analysis*. Springer US. https://doi.org/10.1007/978-1-4615-5493-6_2

Cooper, D. R. (1995). *Business research methods* (5th ed.). Chicago : Irwin.

Dorigoni, S., & Anzalone, G. A. (2024). Production of energy from renewable sources and financial performance of European utilities: A panel-data analysis. *Energy Policy*, 194(August), 114323. <https://doi.org/10.1016/j.enpol.2024.114323>

Dutta, P., Jain, A., & Gupta, A. (2020). Performance analysis of non-banking finance companies using two-stage data envelopment analysis. *Annals of Operations Research*, 295(1), 91–116. <https://doi.org/10.1007/s10479-020-03705-6>

Farrell, M. J. (1957). The Measurement of Productive Efficiency. *Journal of the Royal Statistical Society. Series A (General)*, 120(3), 253–290. <https://doi.org/10.2307/2343100>

Frans, J., Silaban, R., Firli, A., Yunita, I., Manajemen, P. J. J., Ekonomi, F., Bisnis, D., Telkom, U., Frans, J., & Silaban, R. (2024). A financial and operational impact analysis of capital expenditure (capex) prioritization : a case study of pt pln (persero) from 2019 to 2023. *JPPI (Jurnal Penelitian Pendidikan Indonesia)*, 10(4), 165–179.

Ghozali, I. (2013). *Aplikasi Analisis Multivariate dengan Program IBM SPSS 21 Update PLS Regresi*. Badan Penerbit Universitas Diponegoro.

Gujarati and Porter. (2009). *Dasar-Dasar Ekonometrika*. Salemba Empat.

Habib, S. M., Hussain, H., Al-Faryan, M. A. S., & Hussain, R. Y. (2022). Impact of firm characteristics and ownership structure on firm efficiency: evidence from non-financial firms of Pakistan. *Cogent Economics and Finance*, 10(1). <https://doi.org/10.1080/23322039.2022.2106628>

Hahn, F. R. (2005). *Environmental Determinants of Banking Efficiency in Austria*

(245; WIFO Working Papers).

Henriques, I. C., Sobreiro, V. A., Kimura, H., & Mariano, E. B. (2020). Two-stage DEA in banks: Terminological controversies and future directions. *Expert Systems with Applications*, 161, 113632. <https://doi.org/10.1016/j.eswa.2020.113632>

Henry Simamora. (2016). *Manajemen Sumber Daya Manusia*. Gramedia.

IESR. (2023). Indonesia Energy Transition Outlook 2024 IESR Institute for Essential Services Reform. *Indonesia Energy Transition Outlook 2024, 4:2024*, 26–26. www.iesr.or.id

Jabir, M., Rusni, & Tafsir, M. (2022). Pengaruh Profitabilitas, Likuiditas Dan Solvabilitas Terhadap Nilai Perusahaan pada Sektor Energi Yang Terdaftar Di Bursa Efek Indonesia. *Jurnal Magister Research*, 1(1), 44–59. <https://ojs.stiem-bongaya.ac.id/MARS/article/view/400>

Kasmir. (2012). *Analisis Laporan Keuangan*. Raja Grafindo Persada.

Khusna, L. M., & Rahadian, D. (2025). How fintech companies' capital structure influences their financial performance. *Edelweiss Applied Science and Technology*, 9(5), 851–858. <https://doi.org/10.55214/25768484.v9i5.7035>

Koç, A., & Ulusam Seçkiner, S. (2024). Measuring energy-based environmental efficiency of buildings using data envelopment analysis models - a hospital application case. *International Journal of Energy Sector Management*, 18(4), 812–833. <https://doi.org/10.1108/IJESM-03-2023-0017>

Kumbirai, M., & Webb, R. (2010). A financial Ratio Analysis of Commercial Bank Performance in South Africa. *African Review of Economics and Finance*, 2(1), 30–53.

Kyshakevych, B., Nastoshyn, S., Maksyshko, N., Svintsov, O., & Maturin, Y. (2024). Application of Dea Models To Develop Strategies for Improving the Energy Efficiency of National Economies: Focusing on Sdgs and Best

- Practices in European Countries. *Journal of Lifestyle and SDG'S Review*, 4(4), 1–19. <https://doi.org/10.47172/2965-730X.SDGsReview.v4.n04.pe02678>
- Latif, A., Raharja, G., Salsabilla, J., & Yuliarti, A. (2022). Performa Rasio Keuangan Pada Harga Saham Sektor Energi dimasa Pandemi Covid-19. *ADI Bisnis Digital Interdisiplin Jurnal*, 3(2), 71–80. <https://doi.org/10.34306/abdi.v3i2.833>
- Mokhtar, H. S. A., Abdullah, N., & Al-Habshi, S. M. (2006). Efficiency of Islamic Banking in Malaysia: a Stochastic Frontier Approach. *Journal of Economic Cooperation*, 27(2), 37–70.
- Moutinho, V., & Madaleno, M. (2021). A two-stage dea model to evaluate the technical eco-efficiency indicator in the eu countries. *International Journal of Environmental Research and Public Health*, 18(6), 1–21. <https://doi.org/10.3390/ijerph18063038>
- Navarro-Chávez, C. L., Delfin-Ortega, O. V., & Díaz-Pulido, A. (2020). Efficiency of the electricity sector in Mexico 2008-2015: An application of the DEA network model. *International Journal of Energy Sector Management*, 14(4), 683–706. <https://doi.org/10.1108/IJESM-03-2019-0019>
- Ogunode, O. A., Awoniyi, O. A., & Ajibade, A. T. (2022). Capital adequacy and corporate performance of non-financial firms: Empirical evidence from Nigeria. *Cogent Business and Management*, 9(1). <https://doi.org/10.1080/23311975.2022.2156089>
- Pérez-Reyes, R., & Tovar, B. (2021). Peruvian electrical distribution firms' efficiency revisited: A two-stage data envelopment analysis. *Sustainability (Switzerland)*, 13(18), 1–19. <https://doi.org/10.3390/su131810066>
- PLN. (2023). Company Profile Perusahaan Listrik Negara PT PLN (Persero). In *Report*. <https://www.usf.edu/business/documents/departments/finance/smif/analysis-baba.pdf%0Ahttps://stories.starbucks.com/uploads/2019/01/AboutUs->

- Prima Sakti, M. R., & Mohamad, A. (2018). Efficiency, stability and asset quality of Islamic vis-à-vis conventional banks: Evidence from Indonesia. *Journal of Islamic Accounting and Business Research*, 9(3), 378–400. <https://doi.org/10.1108/JIABR-07-2015-0031>
- Rahadian, D., Firli, A., Dinçer, H., Yüksel, S., Hacloğlu, Ü., Gherghina, Ş. C., & Aksoy, T. (2023). An Evaluation of E7 Countries' Sustainable Energy Investments: A Decision-Making Approach with Spherical Fuzzy Sets. *Economics*, 17(1). <https://doi.org/10.1515/econ-2022-0051>
- Raheli, H., Rezaei, R. M., Jadidi, M. R., & Mobtaker, H. G. (2017). A two-stage DEA model to evaluate sustainability and energy efficiency of tomato production. *Information Processing in Agriculture*, 4(4), 342–350. <https://doi.org/10.1016/j.inpa.2017.02.004>
- Rizky, K. T., & Aryani, F. (2020). The Influence Of *Debt To Equity Ratio* (DER) And Net Profit Margin (NPM) To Changes In Earnings In Construction And Building Sub-Sector Companies Listed In Indonesia Stock Exchange 2016-2019. *Neraca : Jurnal Akuntansi Terapan*, 2(1), 48–61. <https://doi.org/10.31334/neraca.v2i1.1102>
- Setiawati, I., Ariyanti, R., Akuntansi, J., Ekonomi, F., Akuntansi, J., Ekonomi, F., & Pekalongan, P. (2020). Pengaruh ROA, ROE, Assets Ratio terhadap Price To Book Value Ratio yang Dimediasikan dengan Variabel Capital Expenditure (Studi Literatur pada Perusahaan Manufaktur yang listed BEI Tahun 2012 – 2018). *AKSES: Jurnal Ekonomi Dan Bisnis*, 15(1), 1–10.
- Sufian, F., & Abd. Majid, M.-Z. (2007). Bank Mergers Performance and the Determinants of Singaporean Banks' Efficiency: An Application of Two-Stage Banking Models. *Gadjah Mada International Journal of Business*, 9(1), 19. <https://doi.org/10.22146/gamaijb.5602>
- Sugiyono. (2017). *Metode Penelitian Bisnis Pendekatan kualitatif, kuantitatif,*

kombinasi dan R&D. Alfabeta.

- Sunaryo, D., Nafiuddin, Gentari, R. E., & Adiyanto, Y. (2022). Using Current Ratio Indicator and Total Asset Turnover Approach in Solving Return on Assets Problems with Debt-to-Equity Ratio Moderated. *Quality - Access to Success*, 23(189), 199–209. <https://doi.org/10.47750/QAS/23.189.23>
- Tessalonika, R. C., Pelleng, F., & Asaloei, S. (2021). Pengaruh Efisiensi Kerja Terhadap Kinerja Karyawan PT. Aneka Gas Industri Bitung. *Productivity*, 2(5), 414.
- Wahyuningtyas, R., Disastra, G., & Rismayani, R. (2023). Toward cooperative competitiveness for community development in Economic Society 5.0. *Journal of Enterprising Communities*, 17(3), 594–620. <https://doi.org/10.1108/JEC-10-2021-0149>
- Wasiaturrahma, Sukmana, R., Ajija, S. R., Salama, S. C. U., & Hudaifah, A. (2020). Financial performance of rural banks in Indonesia: A two-stage DEA approach. *Heliyon*, 6(7), e04390. <https://doi.org/10.1016/j.heliyon.2020.e04390>
- Zeng, Y., Guo, W., Wang, H., & Zhang, F. (2020). A two-stage evaluation and optimization method for renewable energy development based on data envelopment analysis. *Applied Energy*, 262(January 2019), 114363. <https://doi.org/10.1016/j.apenergy.2019.114363>