

DAFTAR PUSTAKA

- Almi, R. F., & Aziz, R. M. (2023). Analisis faktor-faktor yang mempengaruhi fungsi intermediasi serta dampaknya terhadap kinerja keuangan BUS di Indonesia. *Jurnal Ilmiah Ekonomi Islam*, 9(01), 1355–1368.
- Amanda, C. (2023). Rural banking spatial competition and stability. *Economic Analysis and Policy*, 78, 492–504. <https://doi.org/10.1016/j.eap.2023.03.021>
- Amelia Putri, R., Sanjaya Kusno, H., & Parasi, J. (2022). Pengaruh LDR, CAR, BOPO, dan bank size terhadap ROA. 13(1), 1–19.
- Andriansyah, F., & Julia, A. (2023). Efficiency of commercial banks in Indonesia after the Covid-19 pandemic. *Jurnal Keuangan Dan Perbankan*, 27(2), 249–262. <https://doi.org/10.26905/jkdp.v27i2.9776>
- Anwar, C. J., Suhendra, I., Purwanda, E., Salim, A., Rakhmawati, N. A., & Jie, F. (2023). Investigating the relationship between monetary policy, macro-prudential policy and credit risk in Indonesia banking industry. *Heliyon*, 9(7), e18229. <https://doi.org/10.1016/j.heliyon.2023.e18229>
- Aprianti, N. R., & Sidiq, S. (2021). Analisis pengaruh rasio keuangan perbankan terhadap profitabilitas pada bank umum konvensional di Indonesia. *Jurnal Kebijakan Ekonomi Dan Keuangan*, 1(1), 1–14. <https://doi.org/10.20885/jkek.vol1.iss1.art1>
- Arman, M. (2025). Kinerja keuangan dengan metode Economic Value Added (EVA) pada PT. Bank Mandiri (Persero) Tbk. *Jurnal Ilmiah Metansi (Manajemen Dan Akuntansi)*, 8(1), 182–188.
- Azzahra, K., & Sampurno, R. D. (2023). Analisis pengaruh Current Ratio, firm size, debt to asset, dan debt to equity terhadap kinerja keuangan perusahaan dengan firm age sebagai variabel kontrol. *Diponegoro Journal Of Management*, 12(1), 1–12.
- Bank Indonesia. (2011). Surat Edaran No.13/24/DPNP tanggal 25 Oktober 2011 tentang Penilaian Tingkat Kesehatan Bank Umum.
- Bank Indonesia. (2023). BI-Rate. Retrieved from <https://www.bi.go.id/id/moneter/bi-rate/>
- Bank Indonesia. (2024a). RDG Juli 2024: BI-Rate dipertahankan 6,25 persen. Retrieved from https://www.bi.go.id/id/news-release/Pages/sp_2614424.aspx

- Bank Indonesia. (2024b). RDG September 2024: BI-Rate turun 25 bps menjadi 6,00 persen. Retrieved from https://www.bi.go.id/id/news-release/Pages/sp_2620124.aspx
- Basel Committee on Banking Supervision. (2024). The Basel Framework. Retrieved from <https://www.bis.org/baselframework/BaselFramework.pdf>
- Berger, A. N., & Humphrey, D. B. (1997). Efficiency of financial institutions: International survey and directions for future research. *European Journal of Operational Research*, 175–212.
- Brajovic Bratanovic, S., & Van Greuning, H. (2020). Analyzing banking risk a framework for assessing corporate governance and risk management (4th ed.).
- Brigham, E. F., & Ehrhardt, M. C. (2019). Financial management: Theory & practice (16th ed.).
- Burhan, F. A. (2024). Kredit Maybank (BNII) tumbuh 14% pada kuartal I/2024. Retrieved from <https://finansial.bisnis.com/read/20240501/90/1762066/kredit-maybank-bnii-tumbuh-14-pada-kuartal-i2024>
- Chou, T.-K., & Buchdadi, A. D. (2016). Bank performance and its underlying factors: A study of rural banks in Indonesia. *Accounting and Finance Research*, 5(3), 55–63. <https://doi.org/10.5430/afr.v5n3p55>
- Daeli, E. C., & Wedari, L. K. (2025). Exploring the digital transformation impacts on bank profitability in Indonesia: a textual and sentiment analysis approach. *Banks and Bank Systems*, 20(1), 271–281. [https://doi.org/10.21511/bbs.20\(1\).2025.22](https://doi.org/10.21511/bbs.20(1).2025.22)
- Davis, E. P., Karim, D., & Noel, D. (2025). The determination of bank interest rate margins: Is there a role for macroprudential policy? *Journal of Banking Regulation*, 560. <https://doi.org/10.1057/s41261-025-00271-4>
- Davis, E. P., & Singh, S. (2024). Bank risk, capital adequacy and banking market concentration— A global study. *Brunel University of London and NIESR London*, 2424.
- Dsouza, S., Rabbani, M. R., & Hawaldar, I. T. (2022). Impact of bank efficiency on the profitability of the banks in India: An empirical analysis using panel data approach. *International Journal of Financial Studies*, 10(93), 1–18. <https://doi.org/10.3390/ijfs10040093>
- Fadilah, N., & Muniarty, P. (2023). Analisis pengaruh rasio BOPO, CAR dan NPL terhadap kinerja keuangan pada PT Bank Central Asia Tbk. *Jurnal Ilmiah Akuntansi Kesatuan*, 11(1). <https://doi.org/10.37641/jiakes.v11i1.1743>

- Fajarihza, P. R. F. (2024). Kinerja keuangan BCA Digital (Blu) meroket kuartal III/2024. Retrieved from <https://finansial.bisnis.com/read/20241101/90/1812627/kinerja-keuangan-bca-digital-blu-meroket-kuartal-iii2024>
- Fauziah, R., Sutarjo, & Astuti, N. (2023). Pengaruh likuiditas, struktur modal, manajemen aset dan ukuran perusahaan terhadap kinerja keuangan PT Mustika Ratu Tbk periode 2004-2020. *Ekonomi Bisnis*, 29(2), 57–69.
- Fritsch, N. (2025). Tail sensitivity of US bank net interest margins: A Bayesian penalized quantile regression approach. *Working Paper*, 25.
- Ghozali, I. (2018). Aplikasi analisis multivariate dengan program IBM SPSS 25 (Edisi 9). Badan Penerbit Universitas Diponegoro. <https://imamghozali.com/>
- Gracia, S. (2022). Setelah merugi, Bank Jago tunjukkan kinerja positif di kuartal I-2022. Retrieved from <https://www.stabilitas.id/setelah-merugi-bank-jago-tunjukkan-kinerja-positif-di-kuartal-i-2022/>
- Gurley, J. G., & Shaw, E. S. (1956). American Finance Association financial intermediaries and the saving-investment process. *The Journal of Finance*, 11(2), 257–276.
- Hadibowono, S., & Munandar, A. (2023). Impact of the maqasid sharia index mediation on financial and governance performance and profitability sharia commercial banks in Indonesia. *Jurnal Keuangan Dan Perbankan*, 27(1), 137–157. <https://doi.org/10.26905/jkdp.v27i1.9337>
- Hafiz, A. P., Hamzah, M. M., Jana, S., & Safitri, J. (2025). Pengaruh rasio CAR, FDR, BOPO dan NPF terhadap ROA bank umum syariah di Indonesia periode 2021-2023. *Journal Of Islamic Banking*, 5(1), 41–62.
- Handoyo, S., Wicaksono, A. P., Hardinto, W., & Fauzia, D. (2023). An empirical study on regional government-owned bank and local government fund in Indonesia. *International Journal of Professional Business Review*, 8(3), 1–20. <https://doi.org/10.26668/businessreview/2023.v8i3.660>
- Hazimah, H. H., Suherman, & Mardiyati, U. (2022). The effect of liquidity, solvability, and activity ratios on profit growth (Study on consumers goods industry that is listed in Indonesia Stock Exchange on 2015-2019 year of period. 26(3), 1–7.
- Hernawati, H., Hariyanto, D., & Safitri, H. (2024). The effect of CAR, NPL and BOPO on ROA with LDR as intervening variable. <https://doi.org/10.4108/eai.2-8-2023.2340790>

- Indartini, M., & Mutmainah. (2024). Analisis data kuantitatif uji instrumen, uji asumsi klasik, uji korelasi dan regresi linier berganda. Klaten: Penerbit Lakeisha.
- Jigeer, S., & Koroleva, E. (2023). The determinants of profitability in the city commercial banks: *Case of China. Risks*, 11(3). <https://doi.org/10.3390/risks11030053>
- Karamoy, H., & Tulung, J. E. (2020). The impact of banking risk on regional development banks in Indonesia. *Banks and Bank Systems*, 15(2), 130–137. [https://doi.org/10.21511/bbs.15\(2\).2020.12](https://doi.org/10.21511/bbs.15(2).2020.12)
- Kasmir. (2019). Analisis laporan keuangan (Edisi revisi). Rajawali Pers (PT RajaGrafindo Persada).
- Khadafi, M. (2024). Laba Bank Mayapada (MAYA) 2023 Rp 22,1 M, ini pendorongnya. Retrieved from <https://www.cnbcindonesia.com/market/20240403114357-17-527832/laba-bank-mayapada--maya--2023-rp-221-m--ini-pendorongnya>
- Kraus, A., & Litzenberger, R. H. (1973). A state-preference model of optimal financial leverage. *The Journal of Finance*, 28(4), 911–922. <https://doi.org/10.1111/j.1540-6261.1973.tb01415.x>
- Kuncoro, M. (2013). Metode riset untuk bisnis & ekonomi: Bagaimana meneliti dan menulis tesis. Erlangga.
- Kurnia, T., Ameliawati, L., Salsabilla, N., Jawas, N., Alawiyah, S., & Sumantri, F. (2025). Pengaruh NPL, CAR, dan NIM terhadap ROA pada PT Bank Mandiri periode 2000-2024. *Jurnal Ilmiah M-Progress*, 15(2), 343–356. <https://doi.org/10.35968/m-pu>
- Laliberte, B., & Sengupta, R. (2024). Why do net interest margins behave differently across banks as interest rates rise? *The Federal Reserve Bank of Kansas City Economic Review*, 1–24. <https://doi.org/10.18651/er/v109n1lalibertesengupta>
- Laporšek, S., Švagan, B., Stubelj, M., & Stubelj, I. (2025). Profitability drivers in European banks: Analyzing internal and external factors in the post-2009 financial landscape. *Risks*, 13(2), 1–20.
- Listri, H. (2021). Fungsi bank sebagai lembaga intermediasi di masa pandemic COVID-19: Analisis komparatif. *Jurnal Indonesia Membangun*, 20(1), 28–42.

- Mahaseth, R. K. (2024). Effect of capital adequacy, non-performing loan, operational efficiency, net interest margin, and loan to deposit ratio on profitability of Nepalese commercial banks. *Nepalese Journal of Business*, 11(4), 159–177.
- Malyasari, S. (2023). Bank semakin efisien, rasio BOPO terus menyusut. Retrieved from Kontan.co.id.
- Maryana, D., & Az-Zahra, R. (2024). Pengaruh debt to equity dan firm size terhadap return on assets pada perusahaan manufaktur sektor aneka makanan dan minuman yang terdaftar di Bursa Efek Indonesia (BEI) periode 2021 – 2023. *Jurnal Akuntansi*, 20(2), 1–9.
- Masdjojo, G. N., Suwarti, T., Nuswandari, C., & Sudiyatno, B. (2023). The relationship between profitability and capital buffer in the Indonesian banking sector. *Banks and Bank Systems*, 18(2), 13–23. [https://doi.org/10.21511/bbs.18\(2\).2023.02](https://doi.org/10.21511/bbs.18(2).2023.02)
- Mawarni, A. M., & Kholis, N. (2023). Pengaruh firm size, debt to asset ratio, dan current ratio terhadap profitabilitas pada perusahaan makanan dan minuman yang terdaftar di BEI. *Edunomika*, 8(1), 1–12.
- Melvina, M., & Ekadjaja, A. (2023). Factors affecting profitability on banking companies listed on the IDX. *International Journal of Application on Economics and Business*, 1(4), 1878–1888. <https://doi.org/10.24912/ijaeb.v1i4.1878-1888>
- Metanda, L. A. H., & Oktora, S. I. (2022). Analysis of net enumeration rate of senior high school using fixed-effect clustered-robust standard error model. Indonesian. *Journal of Statistics and Its Applications*, 6(2), 270–286.
- Mishkin, F. S. (2019). The economics of money, banking, and financial markets (12th ed.). Pearson Education Limited.
- Mita Pertiwi, K. S., & Fajri, G. R. (2025). The influence of CAR, LDR, and NPL on ROA in the banking sector on the Indonesia Stock Exchange. *International Conference on Innovations in Social Sciences Education and Engineering*, 5(5), 2842–2870.
- Myers, S. C. (1984). The capital structure puzzle. *The Journal of Finance*, 39(3), 575–592. <https://doi.org/10.1111/j.1540-6261.1984.tb03646.x>
- Nengsih, S. S., Rahmi, P. P., Surjaatmadja, S., Sudaryo, Y., & Febriyanti, D. (2024). Pengaruh Net Interest Margin (NIM), Biaya Operasional Pendapatan Operasional (BOPO), Loan To Deposit Ratio (LDR), terhadap Return On Assets (ROA) pada PT Bank Maybank Indonesia Tbk periode tahun 2010-2023. *Journal Syntax Idea*, 6(08), 3571–3582.

- Nurhalizah, S., Meythi, M., & Martusa, R. (2025). The influence of liquidity and solvency on bank profitability: The moderating role of dividend policy. *International Journal of Economics and Financial Issues*, 15(6), 130–139.
- Nurwulandari, A., Hasanudin, H., Subiyanto, B., & Pratiwi, Y. C. (2022). Risk based bank rating and financial performance of Indonesian commercial banks with GCG as intervening variable. *Cogent Economics and Finance*, 10(1). <https://doi.org/10.1080/23322039.2022.2127486>
- Octaviano, A. (2025a). Jaga kualitas kredit, laba Maybank Indonesia susut jadi Rp 1,11 triliun di 2024. Retrieved from <https://keuangan.kontan.co.id/news/jaga-kualitas-kredit-laba-maybank-indonesia-susut-jadi-rp-111-triliun-di-2024>
- Octaviano, A. (2025b). Modal inti Bank Mayapada (MAYA) milik Tahir susut jadi Rp 12,77 triliun. Retrieved from <https://keuangan.kontan.co.id/news/modal-inti-bank-mayapada-maya-milik-tahir-susut-jadi-rp-1277-triliun>
- Olivia, C., Atahau, A. D. R., & Martono, S. (2022). Financial risk and performance of national private foreign exchange commercial bank: Moderating effects of bank size. *Jurnal Keuangan Dan Perbankan*, 26(1), 229–246. <https://doi.org/10.26905/jkdp.v26i1.6268>
- Otoritas Jasa Keuangan. (2024). Statistik Perbankan Indonesia.
- Patricia, V. L. T., Saparuddin, S., & Syafina, L. (2023). Analisis pengaruh fungsi intermediasi dan pembiayaan bagi hasil terhadap kinerja bank syariah dengan risiko pembiayaan sebagai variabel intervening. *El-Amwal*, 6(2), 130. <https://doi.org/10.29103/el-amwal.v6i2.12882>
- Pratomo, W. A., Warokka, A., Yudaruddin, R., & Aqmar, A. Z. (2025). Economic freedom and banking performance: Capital buffers as the key to profitability and stability in liberalized markets. *Journal of Risk and Financial Management*, 18(10), 544. <https://doi.org/10.3390/jrfm18100544>
- Priharta, A., & Gani, N. A. (2024). Determinants of bank profitability: Empirical evidence from Republic of Indonesia state-owned banks. *Contaduria y Administracion*, 69(3), 49–65. <https://doi.org/10.22201/fca.24488410e.2024.4999>
- Pulungan, M. A., & Muslih, M. (2020). Pengaruh DPK, NIM, dan BI Rate terhadap penyaluran kredit bank umum konvensional di Indonesia periode 2015-2018. *Jurnal Menara Ekonomi*, VI(1), 46–57. <https://doi.org/10.31869/me.v6i3.2017>
- Purnomo, R. A. (2016). Analisis statistik ekonomi dan bisnis dengan SPSS. Ponorogo: CV. WADE GROUP.

- Rajindra, R., Guasmin, G., & Burhanuddin, B. (2021). Costs and operational revenue, loan to deposit ratio against return on assets: A case study in Indonesia. *Journal of Asian Finance, Economics and Business*, 8(5), 109–115. <https://doi.org/10.13106/jafeb.2021.vol8.no5.0109>
- Rayamajhi, P., & Bhandari, N. R. (2024). Effect of capital adequacy, bank size and lending interest rate on profitability of commercial banks in Nepal. *The Lumbini Journal of Business and Economics*, XII(1).
- Rembet, W. E. C., & Baramuli, D. N. (2020). Pengaruh CAR, NPL, NIM, BOPO, LDR terhadap Return On Asset (ROA) (Studi pada bank umum swasta nasional devisa yang terdaftar di BEI). *Jurnal EMBA*, 8(3), 342–352.
- Riyanti, R. S. (2024). Capitalization chronicles: Unraveling the impact on bank profitability. *Jurnal Akuntansi Dan Keuangan*, 26(2), 161–168. <https://doi.org/10.9744/jak.26.2.161-168>
- Rohman, A., Nurkhin, A., Mukhibad, H., Kusumantoro, & Wolor, C. W. (2022). Determinants of Indonesian banking profitability: Before and during the COVID-19 pandemic analysis. *Banks and Bank Systems*, 17(2), 37–46. [https://doi.org/10.21511/bbs.17\(2\).2022.04](https://doi.org/10.21511/bbs.17(2).2022.04)
- Rokiyanto, R. J., & Siahaan, A. (2024). Analysis of the Basel III liquidity and minimum capital requirements towards bank performance: Evidence from commercial banks in Indonesia. *Atlantis Press International BV*. https://doi.org/10.2991/978-94-6463-585-0_19
- Sah, A. K., & Saud, S. (2022). Impact of financial ratios, operational efficiency and non-performing loan on the profitability of Nepalese commercial banks. *The Lumbini Journal of Business and Economics*, X(1), 1–19.
- Sakti, J. P., & Rachmawati, N. A. (2024). Does the size of a bank moderate the relationship between CKPN, BOPO, and NPL toward bank financial performance? *Jurnal Bisnis Dan – Akuntansi*, 26(1), 123–138. <http://jurnaltsm.id/index.php/JBA>
- Sang, N. M. (2023). Evolution and future trajectories of research on bank efficiency: A systematic review. *International Journal of Advanced and Applied Sciences*, 10(12), 19–28.
- Sari, S. M. R., & Nurdawansyah, N. (2024). Determinan profitabilitas pada bank konvensional di Indonesia. *Owner*, 8(3), 2771–2782. <https://doi.org/10.33395/owner.v8i3.2232>

- Sasongko, H., & Hamzah, H. (2022). Determinants and alternative strategies in improving the financial performance of sharia commercial banks in Indonesia. *Jurnal Manajemen Dan Agribisnis*, 19(2), 307–318. <https://doi.org/10.17358/jma.19.2.307>
- Saunders, A., Cornett, M. M., & Erhemjamts, O. (2024). Financial institutions management: A risk management approach (11th ed.). McGraw-Hill.
- Sekaran, U., & Bougie, R. (2016). Research methods for business: A skill-building approach (7th ed.). Wiley.
- Siagian, S., Lidwan, N., Ridwan, W., Taruna, H. I., & Roni, F. (2021). Pengaruh BOPO, LDR dan NIM perbankan terhadap ROA di industri perbankan Indonesia. *Jurnal Akrib Juara*, 6(4), 151–171.
- Siaran Pers Jakarta, I. (2022). Bank Jago lanjutkan kinerja positif di kuartal I-2022. Retrieved from <https://www.jago.com/id/media-center/press-release/bank-jago-lanjutkan-kinerja-positif-di-kuartal-i-2022>
- Subekti, W. A. P., & Wardana, G. K. (2022). Pengaruh CAR, asset growth, BOPO, DPK, pembiayaan, NPF dan FDR terhadap ROA bank umum syariah. *INOBI: Jurnal Inovasi Bisnis Dan Manajemen Indonesia*, 5(2), 270–285.
- Sudarno, S., Suyono, S., Yusrizal, Y., & Tambunan, J. (2021). Determinant models affecting financial performance and stock return companies registered in Indonesia Stock Exchange. *Jurnal Aplikasi Manajemen*, 19(4), 905–924. <https://doi.org/10.21776/ub.jam.2021.019.04.18>
- Sugiyono. (2019). Metode penelitian kuantitatif, kualitatif, dan R&D (Ed. II). Alfabeta.
- Suharyanto, S., Iskandar, Y., Zaki, A., & Widhayani, P. S. (2024). The effect of financial performance on return on assets in banks before and during the Covid-19 pandemic in Indonesia. *Jurnal Aplikasi Manajemen*, 22(1), 72–82. <https://doi.org/10.21776/ub.jam.2024.022.01.06>
- Suherman, S., Purnamasari, R., & Mardiyati, U. (2019). MIX: Jurnal ilmiah manajemen, volume 9, no. 2, Juni 2019. *Jurnal Ilmiah Manajemen*, 9(2), 327–340.
- Sulistyawati, S., Rahmaniyah, F., & Shoimah, S. (2025). Analisis perbandingan kinerja keuangan Bank Jago dan Allo Bank periode 2019 - 2023. *Journal of Economic Entrepreneurship and Management Business*, 1(1), 88–98.
- Suriawinata, I. S., Prastuti, D., & Hermastuti, P. (2023). Banks' core deposits and net interest margin: Do size and ownership structure matter? *Jurnal Keuangan Dan Perbankan*, 27(3), 360–372. <https://doi.org/10.26905/jkdp.v27i3.9642>

- Sutrisno, S., Widarjono, A., & Hakim, A. (2024). The role of green credit in bank profitability and stability: A case study on green banking in Indonesia. *Risks*, 12(12), 1–15. <https://doi.org/10.3390/risks12120198>
- Tarigan, W. F., & Danarsari, D. N. (2023). Effect of macroprudential policy on banks' profitability in ASEAN before and during Covid-19. *Jurnal Keuangan Dan Perbankan*, 27(3), 399–408. <https://doi.org/10.26905/jkdp.v27i3.10283>
- Trisnawati, L. P. P. (2025). Pengaruh firm size, leverage dan asset management terhadap kinerja keuangan pada perusahaan infrastruktur (Studi kasus pada perusahaan infrastruktur tahun 2019-2023). *Jurnal Lentera Bisnis*, 14(2), 1607–1618. <https://doi.org/10.34127/jrlab.v14i2.1515>
- Wendha, D. N., & Alteza, M. (2020). Analisis efisiensi perbankan hasil merger di Indonesia dengan metode two-stage data envelopment analysis. *Jurnal Ilmu Manajemen*, 17, 85–97.
- Widarjono, A. (2018). *Ekonometrika: Pengantar dan aplikasinya disertai panduan EViews (Edisi 5)*. UPP STIM YKPN.
- Widarjono, A. (2024). Determinant of sharia rural bank profitability: Do size and location matter? Muqtasid: *Jurnal Ekonomi Dan Perbankan Syariah*, 15(2), 139–154. <https://doi.org/10.18326/muqtasid.v15i2.139-154>
- Widyakto, A., & Wahyudi, S. (2021). Analysis of factors affecting profitability of sharia commercial banks: evidence from Indonesia. *Diponegoro International Journal of Business*, 4(2), 95–104. <https://doi.org/10.14710/dijb.4.2.2021.95-104>
- Widyastuti, U., Dedi, P. E. S., & Zulaihati, S. (2017). Internal determinants of commercial bank profitability in Indonesia. *Mediterranean Journal of Social Sciences*, 8(3), 219–223. <https://doi.org/10.5901/mjss.2017.v8n3p219>
- Yulia, Y. A., & Rudianto, L. Y. (2025). Dampak CAR, LDR, NPL, dan BOPO terhadap ROA pada bank komersial yang terdaftar pada Bursa Efek Indonesia periode 2019-2023. *Excellent: Jurnal Manajemen, Bisnis Dan Pendidikan*, 12(1), 150–160.
- Yuliana, I. R., & Listari, S. (2021). Pengaruh CAR, FDR, dan BOPO terhadap ROA pada bank syariah di Indonesia. *Jurnal Ilmiah Akuntansi Kesatuan*, 9(2), 309–334. <https://doi.org/10.37641/jiakes.v9i2.870>
- Yuliani, N. W. W., Sutrisna Dewi, S. K., Suarjaya, A. A. G., & Dana, I. M. (2023). Pengaruh non performing loan dan biaya operasional pendapatan operasional terhadap profitabilitas dimediasi oleh capital adequacy ratio. *E-Jurnal Ekonomi Dan Bisnis Universitas Udayana*, 12(02), 160. <https://doi.org/10.24843/eeb.2023.v12.i02.p01>