

## DAFTAR PUSTAKA

- [1] P. F. S. Indrapura and U. M. D. Fadli, “Analisis Strategi Digital Marketing di Perusahaan Cipta Grafika,” *J. Econ.*, vol. 2, no. 8, pp. 1970–1978, Aug. 2023, doi: 10.55681/economina.v2i8.699.
- [2] F. Latief and Asniwati, *Manajemen Pemasaran*. 2023.
- [3] Author of Newsroom Tiktok, “TikTok adalah platform di mana konten dan transaksi belanja bertemu, membantu konsumen menemukan dan melakukan pembelian berikutnya,” Jul. 2023. [Online]. Available: <https://newsroom.tiktok.com/in-id/tiktok-adalah-platform-di-mana-konten-dan-transaksi-belanja-bertemu-membantu-konsumen-menemukan-dan-melakukan-pembelian-berikutnya>
- [4] B. Molinari and F. Turino, “Advertising and Business Cycle Fluctuations ad serie,” 2009. [Online]. Available: <http://ssrn.com/abstract=1371174><https://ssrn.com/abstract=1371174>Electro niccopyavailableat:<https://ssrn.com/abstract=1371174>
- [5] F. Millah, “Prediksi Cost Per Action (CPA) pada Iklan Facebook PT XYZ Menggunakan Algoritma Random Forest,” 2017.
- [6] T. Iankovets, “Media Planning of Digital Advertising Campaigns,” *Eastern-European J. Enterp. Technol.*, vol. 6, no. 13(126), pp. 42–53, 2023, doi: 10.15587/1729-4061.2023.293074.
- [7] Author of Ebliethos Indonesia, “Profil - PT Ebliethos Digital Indonesia,” Mar. 2025.
- [8] L. Shi and B. Li, “Predict the Click-Through Rate and Average Cost Per Click for Keywords Using Machine Learning Methodologies,” *Proc. 2016 Int. Conf. Ind. Eng. Oper. Manag.*, 2016.
- [9] J. A. Choi and K. Lim, “Identifying machine learning techniques for classification of target advertising,” Sep. 01, 2020, *Korean Institute of Communications Information Sciences*. doi: 10.1016/j.ictc.2020.04.012.

- [10] K. Ren, W. Zhang, K. Chang, Y. Rong, Y. Yu, and J. Wang, “Bidding Machine: Learning to Bid for Directly Optimizing Profits in Display Advertising,” *IEEE Trans. Knowl. Data Eng.*, vol. 30, no. 4, pp. 645–659, Apr. 2018, doi: 10.1109/TKDE.2017.2775228.
- [11] Z. Gharibshah, X. Zhu, A. Hainline, and M. Conway, “Deep Learning for User Interest and Response Prediction in Online Display Advertising,” *Data Sci. Eng.*, vol. 5, no. 1, pp. 12–26, Mar. 2020, doi: 10.1007/s41019-019-00115-y.
- [12] S. Zhang, Z. Liu, and W. Xiao, “A Hierarchical Extreme Learning Machine Algorithm for Advertisement Click-Through Rate Prediction,” *IEEE Access*, vol. 6, pp. 50641–50647, Sep. 2018, doi: 10.1109/ACCESS.2018.2868998.
- [13] R. Kumar, S. M. Naik, V. D. Naik, S. Shiralli, S. V.G, and M. Husain, “Predicting Clicks: CTR Estimation of Advertisements using Logistic Regression Classifie,” *2015 IEEE Int. Adv. Comput. Conf.*, pp. 1134–1138, 2015.
- [14] M. Kamal and T. A. Bablu, “International Journal of Applied Machine Learning and Computational Intelligence Machine Learning Models for Predicting Click-through Rates on social media: Factors and Performance Analysis,” 2022.
- [15] A. Shah and Iw. Technology Solutions, “The Impacts of User Experience Metrics on Click-Through Rate (CTR) in Digital Advertising: A Machine Learning Approach Siddhesh Nasnodkar Article history,” *SSRAML SageScience*, vol. 4, no. 1, pp. 27–44, 2021.
- [16] N. Shah, S. Engineer, N. Bhagat, H. Chauhan, and M. Shah, “Research Trends on the Usage of Machine Learning and Artificial Intelligence in Advertising,” *Augment. Hum. Res.*, vol. 5, no. 1, Dec. 2020, doi: 10.1007/s41133-020-00038-8.
- [17] S. Singh, “Impact of online advertising in marketing of the product,” *Int. J.*

- Sci. Res. Eng. Manag.*, vol. 08, no. 05, pp. 1–30, 2024, doi: 10.55041/IJSREM34706.
- [18] Author of Ads Tiktok, “Tentang Metrik Dasar dan Definisi di TikTok Ads Manager,” Apr. 2025.
- [19] D. Liu, “Enterprise Digital Retail Business Data Analysis and Forecasting Based on Time Series Analysis,” *Proc. 3rd Int. Conf. Bus. Policy Stud.*, vol. 0, pp. 206–212, 2024, doi: 10.54254/2754-1169/77/20241678.
- [20] G. Lakshmi and V. Prasad, “Machine Learning Based Cost prediction for Acquiring New Customers,” *2023 IEEE 13th Annu. Comput. Commun. Work. Conf.*, pp. 866–872, 2023, doi: 10.1109/CCWC57344.2023.10099189.
- [21] A. S. Shafie, I. A. Mohtar, S. Masrom, and N. Ahmad, “Backpropagation Neural Network with New Improved Error Function and Activation Function for Classification Problem,” *2012 IEEE Symp. Humanit. Sci. Eng. Res.*, pp. 1359–1364, 2012, doi: 10.1109/SHUSER.2012.6268818.
- [22] K. Grasmit and M. Akshay, “K-Nearest Neighbour Algorithm,” *Res. Rev. J. Glob. Res. Comput. Sci.*, no. Figure 1, pp. 1–5, 2021.
- [23] N. Kerdprasop and K. Kerdprasop, “Discrete Decision Tree Induction to Avoid Overfitting on Categorical Data,” *Recent Res. Comput. Tech. Non-Linear Syst. Control Discret.*, pp. 247–252, 2011.
- [24] S. Han, H. Kim, and Y. Seop, “Double random forest,” *Mach. Learn.*, vol. 109, no. September 2019, pp. 1569–1586, 2020.
- [25] J. Huang, N. Huang, L. Zhang, and H. Xu, “A method for feature selection based on the correlation analysis,” *Proc. 2012 Int. Conf. Meas. Inf. Control*, vol. 1, pp. 529–532, 2012, doi: 10.1109/MIC.2012.6273357.
- [26] S. B. P, P. Leya, and E. Sunny, “Survey on Feature Extraction Techniques in Image Processing,” *Int. J. Res. Appl. Sci. Eng. Technol.*, vol. 6, no. March,

- pp. 217–222, 2018.
- [27] N. Gürsakal, F. M. Yilmaz, and E. U. Istanbul, “Finding Opportunity Windows in Time Series Data Using THE Sliding Window Technique: The Case of Stock Exchange,” *Econom. Ekonom.*, vol. 24, no. 3, 2020, doi: 10.15611/eada.2020.3.01.
- [28] Y. Xu and R. Goodacre, “On Splitting Training and Validation Set : A Comparative Study of Cross - Validation , Bootstrap and Systematic Sampling for Estimating the Generalization Performance of Supervised Learning,” *J. Anal. Test.*, vol. 2, no. 3, pp. 249–262, 2018, doi: 10.1007/s41664-018-0068-2.
- [29] A. G. De Lange, L. K. M. Han, D. Alnæs, and K. P. Ebmeier, “Mind the gap : Performance metric evaluation in brain-age prediction,” *Hum. Brain Mapp. Publ. by Wiley Period. LLC. Hum*, vol. 43, no. February, pp. 3113–3129, 2022, doi: 10.1002/hbm.25837.
- [30] R. Sammouda, “How Magnification of the Root-Mean-Square Deviation ( RMSD ) Value Affects the Convergence Speed of Hopfield Neural Network Classifier,” *WSEAS Trans. Comput. Res.*, vol. 3, no. 3, pp. 162–171, 2008.
- [31] N. Sriram, “Decomposing the Pearson Correlation,” *SSRN*, pp. 1–4, 2006.
- [32] S. Ananthi, S. C. M, L. B, and S. S, “Framework for Platform Independent Machine Learning ( ML ) Model Execution,” *2024 2nd Int. Conf. Intell. Data Commun. Technol. Internet Things*, no. M1, pp. 728–732, 2024, doi: 10.1109/IDCIoT59759.2024.10467931.
- [33] S. Rajkumar, S. E. Abraham, and V. Santhi, “Web Based Portal Using a Biometric Interface and Android Application to Assist Non-Government Organizations,” *2017 Int. Conf. Intell. Comput. Control Technol.*, pp. 898–902, 2017.
- [34] M. Plainer, “Practical Study of Visual Studio Code,” 2021.

- [35] T. Carneiro, R. Victor, M. Da, T. Nepomuceno, G. Bian, and V. H. C. D. E. Albuquerque, "Performance Analysis of Google Colaboratory as a Tool for Accelerating Deep Learning Applications," *IEEE Access*, vol. 6, pp. 61677–61685, 2018, doi: 10.1109/ACCESS.2018.2874767.
- [36] P. D. Pitroda, B. C. Donga, H. B. Domadiya, and D. H. Domadiya, "Beyond The Basics : A Detailed Survey of Advanced Python Applications and Innovations," *Int. J. Res. Appl. Sci. Eng. Technol.*, vol. 12, no. X, 2024.
- [37] D. D. J. M. E and A. Mathivanan, "Exploring the Paradigm Shift : Harnessing Data Analytics for Real - World Applications," *Int. J. Sci. Res.*, vol. 12, no. 6, pp. 1467–1480, 2023, doi: 10.21275/SR23611121501.
- [38] F. Pedregosa, O. Grisel, G. Louppe, R. Weiss, A. Passos, and M. Brucher, "Scikit-learn : Machine Learning in Python," *J. Mach. Learn. Res. 12*, vol. 12, pp. 2825–2830, 2011.
- [39] R. Kaestria, E. F. Himmah, and R. Irawan, "Penerapan Matplotlib dalam Visualisasi Data untuk Analisis Hubungan Penggunaan Gadget dan Hasil Belajar," *J. Digit. Bus. Inf. Technol.*, pp. 29–39, 2024, doi: 10.23971/jobit.v1i1.204.
- [40] M. Bauer and M. Garland, "Legate NumPy : Accelerated and Distributed Array Computing," *Assoc. Comput. Mach.*, 2019, doi: 10.1145/3295500.3356175.
- [41] J. M. Nápoles-Duarte, A. Biswas, M. I. Parker, J. P. Palomares-Baez, M. A. Chávez-Rojo, and L. M. Rodríguez-Valdez, "Stmol : A component for building interactive molecular visualizations within streamlit web-applications," *Front. Mol. Biosci.*, no. September, pp. 1–10, 2022, doi: 10.3389/fmolb.2022.990846.
- [42] Z. Subecz, "Web-Development with Laravel Framework," *Gradus*, vol. 8, no. 1, pp. 211–218, 2021.
- [43] Z. Zhang, A. Megargel, and L. Jiang, "Performance Evaluation of NewSQL

- Databases in a Distributed Architecture,” *IEEE Access*, vol. 13, no. October 2024, pp. 11185–11194, 2025, doi: 10.1109/ACCESS.2025.3529740.
- [44] R. Thomas, “Introduction to the Unified Modeling Language,” *Proceedings. Technol. Object-Oriented Lang. Syst. TOOLS 25*, p. 354, 1997, doi: 10.1002/9780470522622.ch1.
- [45] M. Ražinskas, B. Miliunas, M. Jurgelaitis, L. Ceponiene, and L. Bisikirskiene, “Transforming Sketches of UML Use Case Diagrams to Models,” *IEEE Access*, vol. 12, no. October, pp. 185826–185837, 2024, doi: 10.1109/ACCESS.2024.3514455.
- [46] A. Fan, L. Liao, L. Wang, and B. Li, “Test Case Generation for Access Control Based on UML Activity Diagram,” *IEEE Int. Conf. Softw. Qual. Reliab. Secur. QRS*, pp. 95–104, 2024, doi: 10.1109/QRS62785.2024.00019.
- [47] Noneng Marthiawati, Kevin Kurniawansyah, Hafiz Nugraha, and Fiqa Khairunnisa, “Pelatihan Pembuatan UML (Unified Modelling Language) Menggunakan Aplikasi Draw.io Pada Prodi Sistem Informasi Universitas Muhammadiyah Jambi,” *Transform. Masy. J. Inov. Sos. dan Pengabd.*, vol. 1, no. 2, pp. 25–33, 2024, doi: 10.62383/transformasi.v1i2.109.
- [48] H. M. Luu, S. Wan-Jou, S. Kajimura, and Y. Shibuya, “Influence of User Interface Layout on Usability: A Comparison Between Japanese and European Users - Pilot Test,” *GCCE 2024 - 2024 IEEE 13th Glob. Conf. Consum. Electron.*, pp. 744–748, 2024, doi: 10.1109/GCCE62371.2024.10760501.