DAFTAR PUSTAKA

[1] O. L. Robby Yuli Endra, "Aplikasi Prediksi Penjualan Kopi dengan Metode *Single Exponential Smoothing* untuk Mengetahui Produk Kopi Terlaris," pp. 129-133, 2021.

[2] R. E. P. S. G. Anita Sindar Ros Maryana Sinaga, "Prediction measuring local coffee production and marketing," pp. 2764-2772, 2022.

[3] P. P. Naufal Dzaki Abdullah, "ANALISIS KELAYAKAN USAHA WARUNG KOPI DI KEBRAON KECAMATAN KARANG PILANG KOTA SURABAYA," 2024.

[4] R. P. Nila Yani Hardiyanti, Coffee Culture di Indonesia : Pola Konsumsi Konsumen Pengunjung Kafe, Kedai Kopi dan Warung Kopi di Gresik, Jurnal Media dan Komunikasi, 2021.

[5] A. R. Taufani, "Budaya Pecinta Kopi dan Gaya Hidup Urban Kedai Kopi di Surabaya:Analisis Visual Semiotika Spasial," pp. 23-39, 2020.

[6] S. S. Alsa Nailur Rohmah, "PREFERENSI KONSUMEN TERHADAP PRODUK MINUMAN KOPI DI KOPI JANJI JIWA JILID 324 SURABAYA," pp. 548-562, 2021.

[7] A. D. Ayuningtyas, DETEKSI SERANGAN DISTRIBUTED DENIAL OF SERVICE (DDOS) MENGGUNAKAN *CATBOOST* CLASSIFIER, 2023.

[8] A. Yunus, "Panduan Pendirian Kedai Kopi," 2018.

[9] S. Hamdan, "Coffee: Karena Selera Tidak Dapat Diperdebatkan," 2018.

[10] A. R. Taufani, "Budaya Pecinta Kopi dan Gaya Hidup Urban Kedai Kopi di Surabaya: Analisis Visual Semiotika Spasial," *Medkom: Jurnal Media dan Komunikasi,* vol. 1, pp. 23-39, 2020.

[11] M. Pendergrast, Uncommon Grounds: The History of Coffee and How It Transformed Our World, 2010.

[12] S. Rao, The Professional Barista's Handbook: An Expert Guide to Preparing *Espresso*, Coffee, and Tea, 2008.

[13] M. Colonna-Dashwood, The Coffee Dictionary, 2018.

[14] L. Kingston, How to make Coffe:The Science Behind the Bean, 2015.

[15] J. Hoffmann, The World Atlas Of Coffee, 2018.

[16] M. A. A. SYUKUR, "PREDIKSI INDEKS KUALITAS UDARA MENGGUNAKAN METODE *CATBOOST*," 2024.

[17] N. K. Dewi, "DETEKSI FAKE FOLLOWER INSTAGRAM MENGGUNAKAN *CATBOOST* CLASSIFER," 2021.

[18] S. K. S. R. N. Mohammad Teddy Syamkalla, "IMPLEMENTASI ALGORITMA *CATBOOST* DAN SHAPLEY ADDITIVE EXPLANATIONS (SHAP) DALAM MEMPREDIKSI POPULARITAS GAME INDIE PADA PLATFORM STEAM," *Jurnal Teknologi Informasi dan Ilmu Komputer (JTIIK),* vol. 11, pp. 771-776, 2024.

[19] G. G. A. V. V. V. D. A. G. Liudmila Prokhorenkova, *Catboost*: unbiased boosting with categorical features, Proceedings of the 32nd International Conference on Neural Information Processing Systems (NeurIPS 2018), 2018.

[20] R. o. Yandex, "*Catboost*: Gradient Boosting on Decision Trees.," 2024. [Online]. Available: https://*Catboost*.ai/.

[21] R. H. H. H. Putri Septiana Rizky, "Perbandingan Metode *LightGBM* dan XGBoost dalam Menangani Data dengan Kelas Tidak Seimbang," *J Statistika Vol. 15, No. 2,* pp. 228 - 236, 2022.

[22] J. I. E. N. A. R. J. Ilham Amansyah, "Prediksi Penjualan Kendaraan Menggunakan Regresi Linear Studi Kasus pada Industri Otomotif di Indonesia," *INNOVATIVE: Journal Of Social Science Research,* pp. 1199-1216, 2024.

[23] R. S. Althof Thabibi, "PERBANDINGAN MODEL MULTIPLE LINEAR REGRESSION DAN DECISION TREE REGRESSION (STUDI KASUS: PREDIKSI HARGA SAHAM TELKOM, INDOSAT, DAN

XL," *Jurnal Ilmiah Teknologi dan Rekayasa Volume 28 No. 1 April 2023,* pp. 78-92, 2023.

[24] A. S. S. Alfida Tegar Nurani, "Perbandingan Kinerja Regresi Decision Tree dan Regresi Linear Berganda untuk Prediksi BMI pada Dataset Asthma," *Jurnal Sains dan Edukasi Sains,* vol. 6, pp. 34-43, 2023.

[25] A. D. K. Tipawan Silwattananusarn, "Data Mining and Its Applications for Knowledge Management : A Literature Review from 2007 to 2012," *nternational Journal of Data Mining & Knowledge Management Process (IJDKP),* pp. 13-24, 2012.

[26] T. Khuat, Developing a frontend application using *Reactjs* and Redux, Laurea University of Applied Sciences, 2018.

[27] A. S. S. H. K. G. P. P. Z. Sayuti Rahman, *PYTHON* : DASAR DAN PEMROGRAMAN BERORIENTASI OBJEKSayuti RahmanArnes SembiringDodi SiregarHusnul KhairI Gusti PrahmanaRatih PuspadiniMuhammad ZenTAHTA MEDIA GROUP, TAHTA MEDIA GROUP, 2023.

[28] N. J. A. A. T. A. A. S. Kherina Surya Ningsih, "APLIKASI BUKU TAMU MENGGUNAKAN FITUR KAMERA DAN AJAX BERBASIS WEBSITE PADA KANTOR DISPORA KOTA MEDAN," *BUKU TAMU MENGGUNAKAN KAMERA*, pp. 95-99, 2022.

[29] N. L. Nyimbili Friday, "Types of Purposive Sampling Techniques with Their Examples and Application in Qualitative Research Studies," *British Journal of Multidisciplinary and Advanced Studies,* pp. 90-99, 2024.

[30] P. K. Surabaya, "Kota Surabaya," 2024. [Online]. Available: https://www.surabaya.go.id/id/page/0/8166/kecamatan.

[31] D. S. B. W. O. R. S. B. G. Kelly Hermanto, "Penggunaan *Python* Untuk Menganalisis Pola Penyebaran Covid-19 Di Masa Pandemi," *Journal of Student Development Information System (JoSDIS),* Vol. %1 dari %2Volume 3 Nomor 2, Juli 2023, pp. 62-75, 2023.

[32] G. V. G. M. T. G. B. P. W. D. V. P. C. B. P. Fabian Pedregosa, "Scikit-learn: *Machine learning* in *Python*," *Journal of Machine learning Research 12*, pp. 2825-2830, 2011.

[33] D. Mastromatteo, "Real *Python*," *Python*, 2024. [Online]. Available: https://real*python*.com/*python*-pickle-module/. [Diakses september 2024].

[34] I. C. Wahyu Sudrajat, "K-NEAREST NEIGHBOR (K-NN) UNTUK PENANGANAN *MISSING VALUE*PADA DATA UMKM," *Jurnal Rekayasa Sistem Informasi dan Teknologi*, vol. 1, 2023.

[35] S. Farida Maulita Barus, "Mendeteksi Outlier pada Data Multivariat dengan Metode Jarak Mahalanobis-Minimum Covariance Determinant (MMCD)," *IJM: Indonesian Journal of Multidisciplinary*, vol. 1, 2023.

[36] A. J. M. R. Ridwan Efendi, "PENENTUAN PUSAT KLASTER SECARA OTOMATIS PADA ALGORITMA DENSITY PEAKS CLUSTERING BERBASIS METODE INTER QUARTILE RANGE," *JITET (Jurnal Informatika dan Teknik Elektro Terapan)*, vol. 12, 2024.

[37] G. P. I. N. Alun Sujjada, "Analisis Clustering Data Penyandang Disabilitas Menggunakan Metode Agglomerative Hierarchical Clustering dan K-means," *Jurnal Teknologi dan Manajemen Informatika*, vol. 10, 2024.

[38] A. K. P. F. W. Chan Uswatun Khasanah, "Implementasi Data Augmentation Random Erasing dan GridMask pada CNN untuk Klasifikasi Batik," *JURNAL SISFOTENIKA*, vol. 13, pp. 16-28, 2023.

[39] K. X. L. S. S. Z. a. Y. X. M. Fan, utomated Hyperparameter Optimization of Gradient Boosting Decision Tree Approach for Gold Mineral Prospectivity Mapping in the Xiong'ershan Area, 2022.

[40] R. P. F. A. N. B. M. G. M. I. a. S. R. A. Maulana, Predicting Obesity Levels with High Accuracy: Insights from a *Catboost Machine learning* Mode, 2024.

[41] D. K. ,. M. L. M. ,. N. G. M. ,. M. D. K. Victor Wandera Lumumba, "Comparative Analysis of Cross-Validation Techniques: LOOCV, K-folds Cross-Validation, and Repeated K-folds Cross-Validation in

Machine learning Models," *American Journal of Theoritical and Applied Statistics,* vol. 13, pp. 127-137, 2024.

[42] L. L. M. N. a. G. H. A. Geroldinger, " Leave-one-out cross-validation, penalization,," *Diagnostic and,* pp. 1-11, 2023.

[43] I. J. A. M. J. E. Tougui, "Impact of the choice of cross-validation techniques on the results of *machine learning*-based diagnostic applications," *Healthcare Informatics Research,* vol. 27, no. 3, pp. 189 - 199, 2021.

[44] C. O. H. C. F. A.-K. Chavez-Chong, "Ridge regularization for spatial autoregressive models with multicollinearity issues," *AStA Advances in Statistical Analysis,* vol. 109, no. 1, pp. 25-52, 2025.

[45] F. A. B. N. Y. M. Sofyan Irwanto, "KLASIFIKASI AKTIVITAS MANUSIA MENGGUNAKAN ALGORITME COMPUTED INPUT WEIGHT EXTREME LEARNING MACHINE DENGAN REDUKSI DIMENSI PRINCIPAL COMPONENT ANALYSIS," *Jurnal Teknologi Informasi dan Ilmu Komputer (JTIIK),* vol. 9, pp. 1195-1202, 2022.

[46] E. B. M. R. M. E. V. Efendi, "PURCHASE INTEREST REVIEWED BASED ON PRICE AND LOCATION AT DANU JAYA BIRDSHOP PEMATANG SIANTAR," *Maker: Jurnal Manajemen,* vol. 9, no. 1, pp. 119 - 126, 2023.

[47] S. I. Kesuma, "STRATEGI PENGEMBANGAN USAHATANI KOPI ARABIKA (Coffea arabica L) DI KECAMATAN PARANGINAN KABUPATEN HUMBANG HASUNDUTAN," 2018.

[48] J. Morris, Coffee: A Global History, 2018.

[49] R. L. R. M. M. O. A. A. S. Abdullahi A. Ibrahim, "Comparison of the *Catboost* Classifier with other," pp. 738-748, 2020.

[50] ,. M. M. S. D. Agus Fahmi Limas Ptr, "Analysis of Gradient Boosting, XGBoost, and *Catboost* on Mobile Phone," pp. 661-670, 2024.

[51] D. E. R. W. W. Ana Mariyam Puspitasari, "Klasifikasi Penyakit Gigi Dan Mulut Menggunakan Metode *Support Vector Machine*," pp. 802-810, 2018.

[52] R. E. Ardiansyah, "SISTEM PAKAR DETEKSI DINI PENYAKIT AKIBAT GIGITAN NYAMUK," 2024.

[53] M. Y. Balaka, METODOLOGI PENELITIAN KUANTITATIF, Kabupaten Bandung: WIDINA BHAKTI PERSADA BANDUNG, 2022.

[54] K. Davids, Coffee: A Guide to Buying, Brewing, and , Enjoying, 2001.

[55] A. F. Ganis Sanhaji, "Aplikasi DIATECT Untuk Prediksi Penyakit Diabetes Menggunakan SVM Berbasis Web," pp. 150-163, 2024.

[56] N. V. A. H. S. H. S. Muhammad Alfathan Harriz, "CLASSIFYING VILLAGE FUND IN WEST JAVA, INDONESIA USING *CATBOOST* ALGORITHM," pp. 671-697, 2023.

[57] M. F. A. L. M. R. Nancy Cordoba, "Coffee extraction: A review of parameters and their influence on the physicochemical characteristics and flavour of coffee brews," *Trends in Food Science & Technology*, pp. 45-60, 2020.

[58] S. A. S. A. L. I. G. A.-H. Novia Permatasari, "PREDICTING DIABETES MELLITUS USING *CATBOOST*," p. 615–624, 2022.

[59] S. G. K. A. Nur Fadilah Amin, "KONSEP UMUM POPULASI DAN SAMPEL DALAM PENELITIAN," *Jurnal Kajian Islam Kontemporer*, pp. 15-31, 2023.

[60] A. Z. L. S. M. C. A. Pier Francesco Orrù, "*Machine learning* Approach Using MLP and SVM," 2020.

[61] I. Priyana, N. Alamsyah, Budiman, A. P. Sarifiyono dan E. Rusnendar, "Predictive Boosting for Employee Retention with SMOTE and XGBoost Hyperparameter Tuning," 2024.

[62] A. G. Putrada, N. Alamsyah, S. F. Pane dan M. N. Fauzan, "XGBoost for IDS on WSN Cyber Attacks with Imbalanced Data," 2022.

[63] I. A. C. C. S. K. A. PUTRI INTAN ASHURI, "Klasifikasi Penyakit Stunting Menggunakan Algoritma Multi-Layer Perceptron," *Multimedia Artificial Intelligent Networking Database,* pp. 52 - 63, 2024 .

[64] S. R., "Design of ensemble classifier model based on mlp neural network for breast cancer diagnosis," 2021.

[65] D. M. S. H. Rahmad Firdaus, "Klasifikasi Multi-Class Penyakit Jantung Dengan SMOTE dan Pearson's Correlation menggunakan MLP," *Jurnal Computer Science and Information Technology,* pp. 262-271, 2023,.

[66] R. Randy, “Penerapan Data Mining Untuk Menentukan Pola Penjualan Menggunakan Metode Algoritma Apriori (Studi Kasus: Coffe Shop Kopi Bonjera Jakarta),” *Jurnal Ilmu Komputer dan Pendidikan,* pp. 1522-1531, 2023.

[67] K. Sadaf, “Phishing Website Detection using XGBoost and *Catboost* Classifiers,” 2020.

[68] A. N. S. J. B. SALNUDDIN, “Perbandingan Penggunaan Model Regresi Linear dan Nonlinear dalam Mendeterminasi Daya Simpan Panas (DSP) Gerabah Pengembangan,” *Statistika, Vol. 24 No. 1,,* p. 65 – 74, 2024.

[69] E. SUGIHARTI, R. ARIFUDIN dan D. T. WIYANTI, “Convolutional neural network (CNN) dan xgboost untuk deteksi kanker payudara,” 2021.

[70] F. Sutanto, Kopi: Sejarah, Budaya, dan Keterampilan, 2016.

[71] M. H. J. A. H. Tabreer T. Hasan, “Heart Disease Diagnosis System based on Multi-Layer Perceptron,” 2017.

[72] Toharudin, “Boosting Algorithm to Handle Unbalanced Classification of PM2.5Concentration Levels by Observing Meteorological Parameters in Jakarta-Indonesia Using AdaBoost, XGBoost, *Catboost*, and *LightGBM*,” 2023.

[73] Utomo, “Diabetes Prediction of Critical Care Patient Using *Catboost* Algorithm,” 2024.

[74] D. M. P. F. A. R. W. A. Yoan Purbolingga, “Perbandingan Algoritma *Catboost* dan XGBoost dalam Klasifikasi Penyakit Jantung,” pp. 126-133, 2023.

[75] D. G. ,. X. L. *. J. D. &. Y. l. Xingchen Lv, “ Momentum prediction models of tennis match based on *Catboost* regression and random forest algorithms,” *Scientific Reports,* pp. 14-18834, 2024.

[76] S. K. Y. S. R. N. Mohammad Teddy Syamkalla, “IMPLEMENTASI ALGORITMA *CATBOOST* DAN SHAPLEY ADDITIVE EXPLANATIONS (SHAP) DALAM MEMPREDIKSI POPULARITAS GAME INDIE PADA PLATFORM STEAM,” *Jurnal Teknologi Informasi dan Ilmu Komputer (JTIIK),* vol. 11, pp. 771-776 , 2024.

[77] M. A. Z. F. Faezal Wahyu Hartono, “Improving the Accuracy of House Price Prediction using *Catboost* Regression with Random Search Hyperparameter Tuning: A Comparative Analysis,” *Advance Sustainable Science, Engineering and Technology (ASSET)* , vol. 6, pp. 02403014-01 ~ 02403014-020 , 2024.