REFERENCE

[1] P. Düsing *et al.*, "Vascular pathologies in chronic kidney disease: pathophysiological mechanisms and novel therapeutic approaches," *J. Mol. Med.*, vol. 99, no. 3, hal. 335–348, 2021, doi: 10.1007/s00109-021-02037-7.

[2] J. Portolés, L. Martín, J. J. Broseta, dan A. Cases, "Anemia in Chronic Kidney Disease: From Pathophysiology and Current Treatments, to Future Agents," *Front. Med.*, vol. 8, no. March, hal. 1–14, 2021, doi: 10.3389/fmed.2021.642296.

[3] V. K. Gliselda, "Diagnosis dan Manajemen Penyakit Ginjal Kronis (PGK)," *J. Med. Hutama*, vol. 2, no. 04 Juli, hal. 1135–1141, 2021.

[4] I. K. A. Loho, G. I. Rambert, dan M. F. Wowor, "Gambaran kadar ureum pada pasien penyakit ginjal kronik stadium 5 non dialisis," *J. e-Biomedik*, vol. 4, no. 2, hal. 2–7, 2016, doi: 10.35790/ebm.4.2.2016.12658.

[5] P. Putri dan A. T. Afandi, "Eksplorasi Kepatuhan Menjalani Hemodialisa Pasien Gagal Ginjal Kronik," *J. Keperawatan*, vol. 11, no. 2, hal. 37–44, 2022, doi: 10.47560/kep.v11i2.367.

[6] R. M. Hanna, A. Ferrey, C. M. Rhee, dan K. Kalantar-Zadeh, "Renal-Cerebral Pathophysiology: The Interplay Between Chronic Kidney Disease and Cerebrovascular Disease," *J. Stroke Cerebrovasc. Dis.*, vol. 30, no. 9, 2021, doi: 10.1016/j.jstrokecerebrovasdis.2020.105461.

[7] H. Yanai, H. Adachi, M. Hakoshima, dan H. Katsuyama, "Molecular biological and clinical understanding of the pathophysiology and treatments of hyperuricemia and its association with metabolic syndrome, cardiovascular diseases and chronic kidney disease," *Int. J. Mol. Sci.*, vol. 22, no. 17, 2021, doi: 10.3390/ijms22179221.

[8] G. Mulugeta, T. Zewotir, A. S. Tegegne, L. H. Juhar, dan M. B. Muleta, "Classification of imbalanced data using machine learning algorithms to predict the risk of renal graft failures in Ethiopia," *BMC Med. Inform. Decis. Mak.*, vol. 23, no. 1, hal. 1–17, 2023, doi: 10.1186/s12911-023-02185-5.

[9] A. K. Aggarwal, "Learning Texture Features from GLCM for Classification of Brain Tumor MRI Images using Random Forest Classifier," *Wseas Trans. Signal Process.*, vol. 18, no. April, hal. 60–63, 2022, doi: 10.37394/232014.2022.18.8.

[10] H. Tao, M. Habib, I. Aljarah, H. Faris, H. A. Afan, dan Z. M. Yaseen, "An intelligent evolutionary extreme gradient boosting algorithm development for modeling scour depths under submerged weir," *Inf. Sci. (Ny).*, vol. 570, hal. 172–184, 2021, doi: 10.1016/j.ins.2021.04.063.

[11] D. Elreedy, A. F. Atiya, dan F. Kamalov, "A theoretical distribution analysis of synthetic minority oversampling technique (SMOTE) for imbalanced learning," *Mach. Learn.*, vol. 113, no. 7, hal. 4903–4923, 2024, doi: 10.1007/s10994-022-06296-4.

[12] S. Wang, Y. Dai, J. Shen, dan J. Xuan, "Research on expansion and classification of imbalanced data based on SMOTE algorithm," *Sci. Rep.*, vol. 11, no. 1, hal. 1–11, 2021, doi: 10.1038/s41598-021-03430-5.

[13] V. Werner de Vargas, J. A. Schneider Aranda, R. dos Santos Costa, P. R. da Silva Pereira, dan J. L. Victória Barbosa, "Imbalanced data preprocessing techniques for machine learning: a systematic mapping study," *Knowl. Inf. Syst.*, vol. 65, no. 1, hal. 31–57, 2023, doi: 10.1007/s10115-022-01772-8.

[14] S. Gupta dan M. K. Gupta, "A comprehensive data-level investigation of cancer diagnosis on

imbalanced data," *Comput. Intell.*, vol. 38, no. 1, hal. 156–186, 2022, doi: 10.1111/coin.12452.
[15] Y. Fu, Y. Du, Z. Cao, Q. Li, dan W. Xiang, "A Deep Learning Model for Network Intrusion Detection with Imbalanced Data," *Electron.*, vol. 11, no. 6, hal. 1–13, 2022, doi: 10.3390/electronics11060898.
[16] Tedyyana, Agus, Osman Ghazali, and Onno W. Purbo. "Machine learning for network defense: automated DDoS detection with telegram notification integration." *Indonesian Journal of Electrical Engineering and Computer Science* 34.2 (2024): 1102..
[17] A. R. Salehi dan M. Khedmati, "A cluster-based SMOTE both-sampling (CSBBoost) ensemble algorithm for classifying imbalanced data," *Sci. Rep.*, vol. 14, no. 1, hal. 1–17, 2024, doi: 10.1038/s41598-024-55598-1.
[18] V. Nirmala, H. S. Shashank, M. M. Manoj, G. Satish Royal, dan J. Premaladha, "Skin Cancer Classification Using Image Processing with Machine Learning Techniques," *Intell. Data Anal. IoT, Blockchain*, hal. 1–15, 2023, doi: 10.1201/9781003371380-1.
[19] X. Wang *et al.*, "Exploratory study on classification of diabetes mellitus through a combined Random Forest Classifier," *BMC Med. Inform. Decis. Mak.*, vol. 21, no. 1, hal. 1–14, 2021, doi: 10.1186/s12911-021-01471-4.
[20] M. Hanafy dan R. Ming, "Improving Imbalanced Data Classification in Auto Insurance by the Data Level Approaches," *Int. J. Adv. Comput. Sci. Appl.*, vol. 12, no. 6, hal. 493–499, 2021, doi: 10.14569/IJACSA.2021.0120656.
[21] A. Gutiérrez-Gallego *et al.*, "Combination of Machine Learning Techniques to Predict Overweight/Obesity in Adults," *J. Pers. Med.*, vol. 14, no. 8, 2024, doi: 10.3390/jpm14080816.
[22] A. I. Putri *et al.*, "Implementation of K-Nearest Neighbors, Naïve Bayes Classifier, Support Vector Machine and Decision Tree Algorithms for Obesity Risk Prediction," *Public Res. J. Eng. Data Technol. Comput. Sci.*, vol. 2, no. 1, hal. 26–33, 2024, doi: 10.57152/predatecs.v2i1.1110.
[23] J. H. Joloudari, A. Marefat, M. A. Nematollahi, S. S. Oyelere, dan S. Hussain, "Effective Class-Imbalance Learning Based on SMOTE and Convolutional Neural Networks," *Appl. Sci.*, vol. 13, no. 6, 2023, doi: 10.3390/app13064006.
[24] Asniar, N. U. Maulidevi, dan K. Surendro, "SMOTE-LOF for noise identification in imbalanced data classification," *J. King Saud Univ. - Comput. Inf. Sci.*, vol. 34, no. 6, hal. 3413–3423, 2022, doi: 10.1016/j.jksuci.2021.01.014.
[25] A. Anggrawan, H. Hairani, dan C. Satria, "Improving SVM Classification Performance on Unbalanced Student Graduation Time Data Using SMOTE," *Int. J. Inf. Educ. Technol.*, vol. 13, no. 2, hal. 289–295, 2023, doi: 10.18178/ijiet.2023.13.2.1806.
[26] H. Hairani, A. Anggrawan, dan D. Priyanto, "Improvement Performance of the Random Forest Method on Unbalanced Diabetes Data Classification Using Smote-Tomek Link," *Int. J. Informatics Vis.*, vol. 7, no. 1, hal. 258–264, 2023, doi: 10.30630/joiv.7.1.1069.
[27] N. Koklu dan S. A. Sulak, "Using Artificial Intelligence Techniques for the Analysis of Obesity Status According to the Individuals' Social and Physical Activities," *Sinop Üniversitesi Fen Bilim. Derg.*, vol. 9, no. 1, hal. 217–239, 2024, doi: 10.33484/sinopfbd.1445215.
[28] A. Frattini, I. Bianchini, A. Garzonio, dan L. Mercuri, "Financial Technical Indicator and Algorithmic Trading Strategy Based on Machine Learning and Alternative Data," *Risks*, vol. 10, no. 12, hal. 1–24, 2022, doi: 10.3390/risks10120225.
[29] M. Amjad, I. Ahmad, M. Ahmad, P. Wróblewski, P. Kamiński, dan U. Amjad, "Prediction of Pile Bearing Capacity Using XGBoost Algorithm: Modeling and Performance Evaluation," *Appl. Sci.*, vol. 12, no. 4, 2022, doi: 10.3390/app12042126.
[30] M. Iqbal, W. S. Dharmawan, dan R. Septian, "Journal of Computer Networks , Architecture and High Performance Computing Prediction of Obesity Categories Based on Physical Activity Using Machine Learning Algorithms Journal of Computer Networks , Architecture and High Performance Computing," *J. Comput. Networks, Archit. High Perform. Comput.*, vol. 6, no. 3, hal. 1025–1034, 2024.
[31] S. Bakheet dan A. Al-Hamadi, "Automatic detection of COVID-19 using pruned GLCM-Based texture features and LDCRF classification," *Comput. Biol. Med.*, vol. 137, no. June, hal. 104781, 2021, doi: 10.1016/j.compbiomed.2021.104781.
[32] Y. Wang, S. Ye, Z. Xu, Y. Chu, J. Zhang, dan W. Yu, "Research on Sleep Staging Based on Support Vector Machine and Extreme Gradient Boosting Algorithm," *Nat. Sci. Sleep*, vol. 16, hal. 1827–1847, 2024, doi: 10.2147/NSS.S467111.