

Daftar Pustaka

- [1] Direktorat P2PTM, “Tanda dan Gejala Diabetes .”
- [2] E. T. Faisal, “Demografi Diabetes Melitus Tipe-I pada Anggota Ikatan Keluarga Penyandang Diabetes Anak dan Remaja (IKADAR),” *Majalah Kedokteran Bandung*, vol. 42, no. 2, pp. 82–85, 2010.
- [3] A. Ispriantari and D. P. Priasmoro, “PERBEDAAN TANGGUNG JAWAB ANAK DAN ORANG TUA DALAM PENGELOLAAN DIABETES ANAK DENGAN DM TIPE 1 DI KOTA MALANG,” *Jurnal Kesehatan Hesti Wira Sakti*, vol. 7, no. 1, pp. 33–39, 2019.
- [4] W. Wibisono and H. A. Tjahjono, “Hubungan Kadar 25-Hidroksi-Vitamin D dengan HbA1c Melalui Interleukin-17 pada Anak Diabetes Melitus Tipe 1,” *Sari Pediatri*, vol. 17, no. 6, pp. 469–477, 2016.
- [5] A. B. Pulungan, G. Fadiana, and D. Annisa, “Type 1 diabetes mellitus in children: experience in Indonesia,” *Clinical Pediatric Endocrinology*, vol. 30, no. 1, pp. 11–18, 2021.
- [6] S. Afzali and O. Yildiz, “An effective sample preparation method for diabetes prediction.,” *Int. Arab J. Inf. Technol.*, vol. 15, no. 6, pp. 968–973, 2018.
- [7] P. D. Pakan, “KLASIFIKASI KANKER LEUKIMIA MENGGUNAKAN MICROARRAY EKSPRESI GEN,” *Jurnal Ilmiah Flash*, vol. 4, no. 2, pp. 78–83, 2018.
- [8] I. F. Rahman, “Implementasi Metode SVM, MLP dan XGBoost pada Data Ekspresi Gen (Studi Kasus: Klasifikasi Data Ekspresi Gen Skeletal Muscle NGT, IGT dan Diabetes Melitus Tipe-2 GSE18732),” 2020.
- [9] J. J. Pangaribuan, “Diagnosis of diabetes mellitus using extreme learning machine,” in *2014 International Conference on Information Technology Systems and Innovation (ICITSI)*, IEEE, 2014, pp. 33–38.
- [10] D. R. Krishnan *et al.*, “Evaluation of predisposing factors of diabetes mellitus post gestational diabetes mellitus using machine learning techniques,” in *2019 IEEE Student Conference on Research and Development (SCOReD)*, IEEE, 2019, pp. 81–85.
- [11] M. S. Ali, M. K. Islam, A. A. Das, D. U. S. Duranta, M. F. Haque, and M. H. Rahman, “A novel approach for best parameters selection and feature engineering to analyze and detect diabetes: Machine learning insights,” *Biomed Res Int*, vol. 2023, no. 1, p. 8583210, 2023.
- [12] C. Kalpana and B. Booba, “Framework for Prediction of Diabetes using FireFly Swarm Intelligence Algorithm, Fuzzy C Mean and SVM Algorithm,” in *2022 International Conference on Inventive Computation Technologies (ICICT)*, IEEE, 2022, pp. 1263–1269.
- [13] S. Kumari and A. Singh, “A data mining approach for the diagnosis of diabetes mellitus,” in *2013 7th International Conference on Intelligent Systems and Control (ISCO)*, IEEE, 2013, pp. 373–375.
- [14] N. M. Putry, “Komparasi algoritma knn dan naïve bayes untuk klasifikasi diagnosis penyakit diabetes mellitus,” *Evolusi: Jurnal Sains Dan Manajemen*, vol. 10, no. 1, 2022.
- [15] H. Salem, M. Y. Shams, O. M. Elzeiki, M. Abd Elfattah, J. F. Al-Amri, and S. Elnazer, “Fine-tuning fuzzy KNN classifier based on uncertainty membership for the medical diagnosis of diabetes,” *Applied Sciences*, vol. 12, no. 3, p. 950, 2022.
- [16] B. Ozturk, T. Lawton, S. Smith, and I. Habli, “Predicting progression of type 2 diabetes using primary care data with the help of machine learning,” in *Caring is Sharing—Exploiting the Value in Data for Health and Innovation*, IOS Press, 2023, pp. 38–42.
- [17] M. J. Sai, P. Chettri, R. Panigrahi, A. Garg, A. K. Bhoi, and P. Barsocchi, “An ensemble of Light Gradient Boosting Machine and adaptive boosting for prediction of type-2 diabetes,” *International Journal of Computational Intelligence Systems*, vol. 16, no. 1, p. 14, 2023.
- [18] R. Priyadarshini, R. K. Barik, N. Dash, B. K. Mishra, and R. Misra, “A hybrid GSA-K-mean classifier algorithm to predict diabetes mellitus,” in *Cognitive Analytics: Concepts, Methodologies, Tools, and Applications*, IGI Global, 2020, pp. 589–603.
- [19] M. W. L. Moreira, J. J. P. C. Rodrigues, N. Kumar, J. Niu, and A. K. Sangaiah, “Multilayer perceptron application for diabetes mellitus prediction in pregnancy care,” in *Frontier Computing: Theory, Technologies and Applications (FC 2017) 6*, Springer, 2018, pp. 200–209.
- [20] M. K. Hasan, M. A. Alam, D. Das, E. Hossain, and M. Hasan, “Diabetes prediction using ensembling of different machine learning classifiers,” *IEEE Access*, vol. 8, pp. 76516–76531, 2020.
- [21] T. Madhubala, R. Umagandhi, and P. Sathiamurthi, “Diabetes Prediction using Improved Artificial Neural Network using Multilayer Perceptron,” *SSRG International Journal of Electrical and Electronics Engineering*, vol. 9, no. 12, pp. 167–179, 2022.
- [22] S. Ranjeeth and V. A. K. Kandimalla, “Predicting diabetes using outlier detection and multilayer perceptron with optimal stochastic gradient descent,” in *2020 IEEE India Council International Subsections Conference*

(INDISCON), IEEE, 2020, pp. 51–56.

- [23] M. Jahangir, H. Afzal, M. Ahmed, K. Khurshid, and R. Nawaz, “An expert system for diabetes prediction using auto tuned multi-layer perceptron,” in *2017 Intelligent systems conference (IntelliSys)*, IEEE, 2017, pp. 722–728.
- [24] F. Fallucchi and A. Cabroni, “Predicting Risk of Diabetes using a Model based on Multilayer Perceptron and Features Extraction,” *Journal of Computer Science*, vol. 17, no. 9, pp. 748–761, 2021.
- [25] T. Goudjerkan and M. Jayabalan, “Predicting 30-day hospital readmission for diabetes patients using multilayer perceptron,” *International Journal of Advanced Computer Science and Applications*, vol. 10, no. 2, 2019.
- [26] Vinnarasi F.Sangeetha Francelin, Rose J.T.Anita, and Jesline, “An Automatic Classification of Diabetics with Multilayer Perceptron using Machine Learning,” *International Journal of Recent Technology and Engineering*, 2020, [Online]. Available: <https://api.semanticscholar.org/CorpusID:240926256>
- [27] S. K. Mohapatra, J. K. Swain, and M. N. Mohanty, “Detection of diabetes using multilayer perceptron,” in *International Conference on Intelligent Computing and Applications: Proceedings of ICICA 2018*, Springer, 2019, pp. 109–116.
- [28] O. Findik, “Investigation Effects of Selection Mechanisms for Gravitational Search Algorithm,” *Journal of Computer and Communications*, vol. 2, no. 04, p. 117, 2014.
- [29] N. Siddique and H. Adeli, “Gravitational search algorithm and its variants,” *Intern J Pattern Recognit Artif Intell*, vol. 30, no. 08, p. 1639001, 2016.
- [30] E. Rashedi, H. Nezamabadi-Pour, and S. Saryazdi, “GSA: a gravitational search algorithm,” *Inf Sci (N Y)*, vol. 179, no. 13, pp. 2232–2248, 2009.
- [31] T.-K. An and M.-H. Kim, “A new diverse AdaBoost classifier,” in *2010 International conference on artificial intelligence and computational intelligence*, IEEE, 2010, pp. 359–363.
- [32] D.-C. Feng *et al.*, “Machine learning-based compressive strength prediction for concrete: An adaptive boosting approach,” *Constr Build Mater*, vol. 230, p. 117000, 2020.
- [33] A. Khan *et al.*, “Lung cancer nodules detection via an adaptive boosting algorithm based on self-normalized multiview convolutional neural network,” *J Oncol*, vol. 2022, no. 1, p. 5682451, 2022.
- [34] Q. Zheng, C. Yu, J. Cao, Y. Xu, Q. Xing, and Y. Jin, “Advanced payment security system: xgboost, lightgbm and smote integrated,” in *2024 IEEE International Conference on Metaverse Computing, Networking, and Applications (MetaCom)*, IEEE, 2024, pp. 336–342.
- [35] N. V Chawla, K. W. Bowyer, L. O. Hall, and W. P. Kegelmeyer, “SMOTE: synthetic minority over-sampling technique,” *Journal of artificial intelligence research*, vol. 16, pp. 321–357, 2002.