

DAFTAR PUSTAKA

- [1] B. Zhou, P. Perel, G. A. Mensah, and M. Ezzati, “Global epidemiology, health burden and effective interventions for elevated blood pressure and hypertension,” *Nat Rev Cardiol*, vol. 18, no. 11, pp. 785–802, Nov. 2021, doi: 10.1038/s41569-021-00559-8.
- [2] X. Ji *et al.*, “Prediction Model of Hypertension Complications Based on GBDT and LightGBM,” *J. Phys.: Conf. Ser.*, vol. 1813, no. 1, p. 012008, Feb. 2021, doi: 10.1088/1742-6596/1813/1/012008.
- [3] Kementrian Kesehatan RI, *Hasil Riset Kesehatan Dasar Tahun 2018*. 2018.
- [4] M. Ijaz, G. Alfian, M. Syafrudin, and J. Rhee, “Hybrid Prediction Model for Type 2 Diabetes and Hypertension Using DBSCAN-Based Outlier Detection, Synthetic Minority Over Sampling Technique (SMOTE), and Random Forest,” *Applied Sciences*, vol. 8, no. 8, p. 1325, Aug. 2018, doi: 10.3390/app8081325.
- [5] S. Sakr *et al.*, “Using machine learning on cardiorespiratory fitness data for predicting hypertension: The Henry Ford Exercise Testing (FIT) Project,” *PLoS ONE*, vol. 13, no. 4, p. e0195344, Apr. 2018, doi: 10.1371/journal.pone.0195344.
- [6] L. A. AlKaabi, L. S. Ahmed, M. F. Al Attiyah, and M. E. Abdel-Rahman, “Predicting hypertension using machine learning: Findings from Qatar Biobank Study,” *PLoS ONE*, vol. 15, no. 10, p. e0240370, Oct. 2020, doi: 10.1371/journal.pone.0240370.
- [7] J. J. Boutilier, T. C. Y. Chan, M. Ranjan, and S. Deo, “Risk Stratification for Early Detection of Diabetes and Hypertension in Resource-Limited Settings: Machine Learning Analysis,” *J Med Internet Res*, vol. 23, no. 1, p. e20123, Jan. 2021, doi: 10.2196/20123.
- [8] Z. Pei *et al.*, “Risk-Predicting Model for Incident of Essential Hypertension Based on Environmental and Genetic Factors with Support Vector Machine,” *Interdiscip Sci Comput Life Sci*, vol. 10, no. 1, pp. 126–130, Mar. 2018, doi: 10.1007/s12539-017-0271-2.

- [9] R. Patnaik, M. Chandran, S.-C. Lee, A. Gupta, C. Kim, and C. Kim, "Predicting the occurrence of essential hypertension using annual health records," in *2018 Second International Conference on Advances in Electronics, Computers and Communications (ICAECC)*, IEEE, 2018, pp. 1–5.
- [10] J.-H. Wu *et al.*, "Risk Assessment of Hypertension in Steel Workers Based on LVQ and Fisher-SVM Deep Excavation," *IEEE Access*, vol. 7, pp. 23109–23119, 2019, doi: 10.1109/ACCESS.2019.2899625.
- [11] B. M. Heo and K. H. Ryu, "Prediction of Prehypertension and Hypertension Based on Anthropometry, Blood Parameters, and Spirometry," *IJERPH*, vol. 15, no. 11, p. 2571, Nov. 2018, doi: 10.3390/ijerph15112571.
- [12] P. Andriani and N. Chamidah, "Modelling of Hypertension Risk Factors Using Logistic Regression to Prevent Hypertension in Indonesia," *J. Phys.: Conf. Ser.*, vol. 1306, no. 1, p. 012027, Aug. 2019, doi: 10.1088/1742-6596/1306/1/012027.
- [13] D. Nuryunarsih, L. Herawati, A. Badi'ah, J. D. T. Donsu, and Okatiranti, "Predicting Changes in Systolic and Diastolic Blood Pressure of Hypertensive Patients in Indonesia Using Machine Learning," *Curr Hypertens Rep*, vol. 25, no. 11, pp. 377–383, Nov. 2023, doi: 10.1007/s11906-023-01261-5.
- [14] R. Kurniawan *et al.*, "Hypertension prediction using machine learning algorithm among Indonesian adults," *IJ-AI*, vol. 12, no. 2, p. 776, Jun. 2023, doi: 10.11591/ijai.v12.i2.pp776-784.
- [15] C. Ye *et al.*, "Prediction of incident hypertension within the next year: prospective study using statewide electronic health records and machine learning," *Journal of medical Internet research*, vol. 20, no. 1, p. e22, 2018.
- [16] W. Chang *et al.*, "Prediction of Hypertension Outcomes Based on Gain Sequence Forward Tabu Search Feature Selection and XGBoost," *Diagnostics*, vol. 11, no. 5, p. 792, Apr. 2021, doi: 10.3390/diagnostics11050792.
- [17] O. M. N. Khatib and M. S. El-Guindy, *Clinical guidelines for the management of hypertension*. Cairo: World Health Organization, Regional Office for the Eastern Mediterranean, 2005.

- [18] K. Bell, J. Twiggs, B. R. Olin, and I. R. Date, “Hypertension: the silent killer: updated JNC-8 guideline recommendations,” *Alabama pharmacy association*, vol. 334, p. 4222, 2015.
- [19] B. A. Sabol *et al.*, “Defining the risk profile of women with stage 1 hypertension: a time to event analysis,” *American journal of obstetrics & gynecology MFM*, vol. 3, no. 4, p. 100376, 2021.
- [20] B. B. Finlay, CIFAR Humans, and the Microbiome, “Are noncommunicable diseases communicable?,” *Science*, vol. 367, no. 6475, pp. 250–251, Jan. 2020, doi: 10.1126/science.aaz3834.
- [21] P. Sogno, C. Traidl-Hoffmann, and C. Kuenzer, “Earth Observation Data Supporting Non-Communicable Disease Research: A Review,” *Remote Sensing*, vol. 12, no. 16, p. 2541, Aug. 2020, doi: 10.3390/rs12162541.
- [22] Baquba Teaching Hospital-Dyiala - Iraq, M. Akram Hassan, A. A. Harfash Hassan, and N. Ghazal Noaman, “Epidemiological Study of Non-communicable Diseases Among Patients Attending Nutritional Clinic in Baquba Teaching Hospital,” *DJM*, vol. 19, no. 2, pp. 6–12, Dec. 2020, doi: 10.26505/DJM.19025220122.
- [23] K. T. Mills, A. Stefanescu, and J. He, “The global epidemiology of hypertension,” *Nat Rev Nephrol*, vol. 16, no. 4, pp. 223–237, Apr. 2020, doi: 10.1038/s41581-019-0244-2.
- [24] A. Jusic, Y. Devaux, and on behalf of the EU-CardioRNA COST Action (CA17129), “Noncoding RNAs in Hypertension,” *Hypertension*, vol. 74, no. 3, pp. 477–492, Sep. 2019, doi: 10.1161/HYPERTENSIONAHA.119.13412.
- [25] S. Sadeeqa, “Hypertension: A Case Study,” *VIJ*, vol. 3, no. 2, 2019, doi: 10.23880/vij-16000211.
- [26] R. M. Touyz *et al.*, “Vascular smooth muscle contraction in hypertension,” *Cardiovascular Research*, vol. 114, no. 4, pp. 529–539, Mar. 2018, doi: 10.1093/cvr/cvy023.

- [27] T. Q. Bao *et al.*, “Risk factors for Non-Communicable Diseases among adults in Vietnam: Findings from the Vietnam STEPS Survey 2015,” *J Glob Health Sci*, vol. 2, no. 1, p. e7, 2020, doi: 10.35500/jghs.2020.2.e7.
- [28] R. I. Estiko, E. Rijanto, Y. B. Juwana, D. A. Juzar, and B. Widyantoro, “73. Hypertension Prediction Models Using Machine Learning with Easy-to-Collect Risk Factors: A Systematic Review,” *Journal of Hypertension*, vol. 42, no. Suppl 2, p. e19, May 2024, doi: 10.1097/01.hjh.0001027072.19895.81.
- [29] C. Bentéjac, A. Csörgö, and G. Martínez-Muñoz, “A Comparative Analysis of XGBoost,” *Artif Intell Rev*, vol. 54, no. 3, pp. 1937–1967, Mar. 2021, doi: 10.1007/s10462-020-09896-5.
- [30] C. Vercellis, *Business intelligence: data mining and optimization for decision making*. John Wiley & Sons, 2011.
- [31] Y. Handoko Putra, R. Wahdiniwaty, N. Abdul Rahman, and Z. Ahmad Zukarnain, “Penentuan Penularan Covid-19 berdasarkan Gejala Kandidat Covid-19 Memanfaatkan Algoritma Naïve Bayes,” in *Prosiding Seminar Nasional Sains dan Teknologi*, Fakultas Teknik Universitas Wahid Hasyim, 2022, pp. 406–412.
- [32] J. Kim and I. C. Hwang, “Drawing Guidelines for Receiver Operating Characteristic Curve in Preparation of Manuscripts,” *J Korean Med Sci*, vol. 35, no. 24, p. e171, 2020, doi: 10.3346/jkms.2020.35.e171.
- [33] M. Ambika, G. Raghuraman, and L. SaiRamesh, “Enhanced decision support system to predict and prevent hypertension using computational intelligence techniques,” *Soft Comput*, vol. 24, no. 17, pp. 13293–13304, Sep. 2020, doi: 10.1007/s00500-020-04743-9.
- [34] Kementrian Kesehatan Republik Indonesia, “Buku Pintar Posbindu PTM. Pengukuran Faktor Risiko PTM.” Direktorat Jenderal Pengendalian Penyakit dan Penyehatan Lingkungan ..., 2014.
- [35] Kementrian Kesehatan Republik Indonesia, “Buku Pintar Posbindu PTM seri 2: Penyakit Tidak Menular dan Faktor Resiko.” 2014.
- [36] S. Karelius *et al.*, “Association of work-related psychosocial factors and day-to-day home blood pressure variation: the Finn-Home study,” *Journal of*

- Hypertension*, vol. 42, no. 2, pp. 337–343, Feb. 2024, doi: 10.1097/HJH.0000000000003619.
- [37] Pemerintah Pusat Republik Indonesia, “Peraturan Pemerintah Nomor 37 Tahun 2007 tentang Pelaksanaan Undang Undang Nomor 23 Tahun 2006 Tentang Administrasi Kependudukan.” 2007.
- [38] Kementrian Dalam Negeri Republik Indonesia, “Peraturan Menteri Dalam Negeri Nomor 58 Tahun 2021 tentang Kode, Data Wilayah Administrasi Pemerintahan, dan Pulau.” 2021.
- [39] A. Z. Alruhaymi and C. J. Kim, “Why Can Multiple Imputations and How (MICE) Algorithm Work?,” *OJS*, vol. 11, no. 05, pp. 759–777, 2021, doi: 10.4236/ojs.2021.115045.
- [40] M. B. Mohammed, H. S. Zulkafli, M. B. Adam, N. Ali, and I. A. Baba, “Comparison of five imputation methods in handling missing data in a continuous frequency table,” presented at the PROCEEDINGS OF SCIEMATHIC 2020, Pagoh, Malaysia, 2021, p. 040006. doi: 10.1063/5.0053286.
- [41] S. van Buuren, *Flexible Imputation of Missing Data*. CRC press, 2018.