

DAFTAR PUSTAKA

- Abbas, K., Afaq, M., Khan, T. A., & Song, W. C. (2020). A blockchain and machine learning-based drug supply chain management and recommendation system for smart pharmaceutical industry. *Electronics (Switzerland)*, 9(5), 1–31. <https://doi.org/10.3390/electronics9050852>
- Abdianto, D., Elisawati, Tawakal, F., & Masrisal. (2021). Prediksi Stok Obat Menggunakan Metode Learning Vector Quantization Studi Kasus Puskesmas Dumai Barat. *Prosiding SNST, Volume 1*, 68–74. https://publikasiilmiah.unwahas.ac.id/index.php/PROSIDING_SNST_FT/issue/view/306
- Abdullah, D., Pardede, A. M. H., Umami, L., Manurung, R., Suryani, R., Surya, S., Saddhono, K., Mulyaningsih, I., Sudarsana, I. K., Brata, D., Mahatmaharti, R. A. K., Novziransyah, N., Amalia, A., Effendi, S., Samidah, I., & Murwati, M. (2020). Drug Users Prediction Using Backpropagation Educational Method. *Journal of Physics: Conference Series*, 1361(1). <https://doi.org/10.1088/1742-6596/1361/1/012055>
- Darsono, L. (2002). Diagnosis dan Terapi Intoksikasi Salisilat dan Parasetamol. *Jurnal Kedokteran Maranatha*, 2, 30–38.
- Dharma, A. S., Tampubolon, L. A., & Purba, D. S. (2020). Drug Stock Prediction at Balige HKBP Hospital Using Adaptive Neuro-Fuzzy Inference System. In *Sinkron* (Vol. 5, Issue 1, pp. 26–34). <https://doi.org/10.33395/sinkron.v5i1.10529>
- Du, M., Luo, J., Wang, S., & Liu, S. (2020). Genetic algorithm combined with BP neural network in hospital drug inventory management system. *Neural Computing and Applications*, 32(7), 1981–1994. <https://doi.org/10.1007/s00521-019-04379-3>

- Effendi. (2009). *Pusat Kesehatan Masyarakat*. Salemba Medika.
- Elisawati, E., Linarta, A., Putra, A. M. I., & Elvaningsih, H. (2022). Analysis of Backpropagation Method in Predicting Drug Stock. *Sinkron*, 7(2), 297–307. <https://doi.org/10.33395/sinkron.v7i2.11269>
- Elvaningsih, H., Elisawati, Tawakal, F., & Masrizal. (2021). Prediksi Stok Obat Menggunakan Metode Backpropagation (Studi Kasus: Puskesmas Dumai Barat). *Seminar Nasional Sains Dan Teknologi Informasi (SENSASI)*, 228–232. <https://prosiding.seminar-id.com/index.php/sensasi/article/view/588/569>
- Fagustina, A., Palgunadi, Y., & Jurusan, W. (2018). *Pengaruh Fungsi Pembelajaran Terhadap Kinerja Pelatihan Jaringan Syaraf Tiruan Backpropagation Studi Kasus : Indeks Harga Saham Gabungan di Bursa Efek Indonesia*. 2, 1–10. <https://doi.org/10.20961/its.v3i1.642>
- Fausset, L. (2014). Fundamentals of Neural Networks: Architectures, Algorithms And Applications. In *Paper Knowledge . Toward a Media History of Documents* (Vol. 1, Issue 69).
- Haefner, N., Wincent, J., Parida, V., & Gassmann, O. (2021). Artificial intelligence and innovation management: A review, framework, and research agenda. *Technological Forecasting and Social Change*, 162(June 2020), 120392. <https://doi.org/10.1016/j.techfore.2020.120392>
- Haoliang, W., & S, S. (2021). Overview of Configuring Adaptive Activation Functions for Deep Neural Networks - A Comparative Study. *Journal of Ubiquitous Computing and Communication Technologies*, 3(1), 10–22. <https://doi.org/10.36548/jucct.2021.1.002>
- He, B., Han, W., & Hon, S. Y. I. (2022). A Machine Learning Approach: Enhancing the Predictive Performance of Pharmaceutical Stock Price Movement during COVID. *Journal of Data Analysis and Information Processing*, 10(01), 1–21. <https://doi.org/10.4236/jdaip.2022.101001>
- Indrayati Sijabat, P., Yuhandri, Y., Widi Nurcahyo, G., & Sindar, A. (2020). Algoritma Backpropagation Prediksi Harga Komoditi terhadap Karakteristik Konsumen Produk Kopi Lokal Nasional. *Digital Zone: Jurnal Teknologi Informasi Dan Komunikasi*, 11(1), 96–107. <https://doi.org/10.31849/digitalzone.v11i1.3880>

- Irmawati, I., Widiyanto, K., Aziz, F., Rifai, A., & Rahmawati, A. (2022). Implementasi artificial neural network dalam mendeteksi penyakit hati (liver). *Journal of Information System, Applied, Management, Accounting and Research*, 6(1), 193–198. <https://doi.org/10.52362/jisamar.v6i1.694>
- Islam, M. R., Ahmed, M. U., Barua, S., & Begum, S. (2022). A Systematic Review of Explainable Artificial Intelligence in Terms of Different Application Domains and Tasks. *Applied Sciences (Switzerland)*, 12(3). <https://doi.org/10.3390/app12031353>
- Jajang, J., & Meilani, S. (2021). Pemodelan Kebutuhan Gizi Pada Balita Dengan Artificial Neural Network. *Jurnal Ilmiah Matematika Dan Pendidikan Matematika*, 13(1), 49. <https://doi.org/10.20884/1.jmp.2021.13.1.4363>
- Jamous, R., Alrahal, H., & El-Darieby, M. (2021). A New ANN-Particle Swarm Optimization with Center of Gravity (ANN-PSOCoG) Prediction Model for the Stock Market under the Effect of COVID-19. *Scientific Programming*, 2021, 1–17. <https://doi.org/10.1155/2021/6656150>
- Karyadiputra, E., Setiawan, A., & Hijriana, N. (2021). Penerapan Algoritma Decision Tree C4.5 Berbasis Particle Swarm Optimization (Pso) Untuk Prediksi Tingkat Kepuasan Pelayanan Obat. *Technologia: Jurnal Ilmiah*, 12(2), 84. <https://doi.org/10.31602/tji.v12i2.4575>
- Kemenkes RI. (2014). *Laporan Akuntabilitas Kinerja Kementerian Kesehatan Tahun 2014*.
- Kemenkes RI. (2015). *Laporan Kinerja Kementerian Kesehatan Tahun 2015*.
- KemenKes RI. (2011). *Kinerja Dua Tahun 2009-2011 Kementerian Kesehatan Republik Indonesia*.
- Khairati, F., & Putra, H. (2022). Prediksi Kuantitas Penggunaan Obat pada Layanan Kesehatan Menggunakan Algoritma Backpropagation Neural Network. *Jurnal Sistim Informasi Dan Teknologi*, 4, 128–135. <https://doi.org/10.37034/jsisfotek.v4i3.158>
- Kolluri, S., Lin, J., Liu, R., Zhang, Y., & Zhang, W. (2022). Machine Learning and Artificial Intelligence in Pharmaceutical Research and Development: a Review.

- Injury*, 1–10. <https://doi.org/10.1016/j.injury.2022.01.046>
- Manni, A., Saviano, G., & Bonelli, M. G. (2021). Optimization of the ANNs Predictive Capability Using the Taguchi Approach: A Case Study. *Mathematics*, 9(7), 1–16. <https://doi.org/10.3390/math9070766>
- Marlita, D. S. (2010). Formulasi Sediaan Tablet Fast Disintegrating Antasida Dengan Explotab Sebagai Bahan Penghancur Dan Starlac Sebagai Bahan Pengisi. *Farmasi*.
- Putra, H., & Walmi, N. U. (2020). Penerapan Prediksi Produksi Padi Menggunakan Artificial Neural Network Algoritma Backpropagation. *Jurnal Nasional Teknologi Dan Sistem Informasi*, 6(2), 100–107. <https://doi.org/10.25077/teknosi.v6i2.2020.100-107>
- Ruslie, R. H. (2012). Peranan Vitamin sebagai Nutrisi pada Bayi Prematur. *Jurnal Kesehatan Masyarakat*, 4(1), 97–111.
- Russel, S., & Norvig, P. (2010). Artificial Intelligence A Modern Approach. In *2010 The 2nd International Conference on Computer and Automation Engineering (ICCAE)* (Vol. 4). IEEE. <https://doi.org/10.1109/ICCAE.2010.5451578>
- Safari, A., & Ghavifekr, A. A. (2021). International Stock Index Prediction Using Artificial Neural Network (ANN) and Python Programming. *2021 7th International Conference on Control, Instrumentation and Automation, ICCIA 2021*. <https://doi.org/10.1109/ICCIA52082.2021.9403580>
- Shahmansouri, A. A., Yazdani, M., Ghanbari, S., Akbarzadeh Bengar, H., Jafari, A., & Farrokh Ghatte, H. (2021). Artificial neural network model to predict the compressive strength of eco-friendly geopolymer concrete incorporating silica fume and natural zeolite. *Journal of Cleaner Production*, 279, 123697. <https://doi.org/10.1016/j.jclepro.2020.123697>
- Shukla, P. K., Shukla, P. K., Sharma, P., Rawat, P., Samar, J., Moriwala, R., & Kaur, M. (2020). Efficient prediction of drug–drug interaction using deep learning models. *IET Systems Biology*, 14(4), 211–216. <https://doi.org/10.1049/iet-syb.2019.0116>
- Sofyani, C. M., Rusdiana, T., & Chaerunnisa, A. Y. (2018). Validasi Metode Analisis

- Kromatografi Cair Kinerja Tinggi Untuk Penetapan Kadar Uji Disolusi Terbanding Tablet Amoksisilin. *Farmaka*, 16(1), 324–330.
- Sulistyowati, S., & Rohmah, A. (2020). Penerapan Jaringan Syaraf Tiruan Metode Hopfield Untuk Prediksi Cuaca di Kota Palangka Raya. *Jurnal Sains Komputer Dan Teknologi Informasi*, 3(1), 52–59. <https://doi.org/10.33084/jsakti.v3i1.1754>
- Sweetman, S. C. (2009). *Martindale the Complete Drug Reference* (36th ed). Pharmaceutical Press.
- Syafitri, I. N., Hidayati, I. R., & Pristiany, L. (2017). Hubungan Tingkat Pengetahuan terhadap Penggunaan Obat Parasetamol Rasional dalam Swamedikasi. *Jurnal Farmasi Dan Ilmu Kefarmasian Indonesia*, 4(1), 19–26.
- Thakkar, A., & Chaudhari, K. (2021). A comprehensive survey on deep neural networks for stock market: The need, challenges, and future directions. In *Expert Systems with Applications* (Vol. 177). <https://doi.org/10.1016/j.eswa.2021.114800>
- Thoriq, M. (2022). Peramalan Jumlah Permintaan Produksi Menggunakan Jaringan Saraf Tiruan Algoritma Backpropagation. *Jurnal Informasi Dan Teknologi*, 4, 27–32. <https://doi.org/10.37034/jidt.v4i1.178>
- Triana, V. (2006). Macam-Macam Vitamin Dan Fungsinya Dalam Tubuh Manusia. *Jurnal Kesehatan Masyarakat*, 1(1), 40–47.
- Tuarissa, S., Wullur, A. C., & Citraningtyas, G. (2014). Profil Penggunaan Obat Klorfeniramin Maleat Pada Masyarakat Di Kelurahan Bailang Dan Kelurahan Karombasan Kota Manado. *Jurnal Ilmiah Farmasi*, 3(4), 22–37.
- Tyastama, S. A., Laksana, T. G., & Arifa, A. B. (2021). Prediksi Penyakit Ginjal Kronis Menggunakan Hibrid Jaringan Saraf Tiruan Backpropagation dengan Particle Swarm Optimization. *Journal of Innovation Information Technology and Application (JINITA)*, 3(1), 9–16. <https://doi.org/10.35970/jinita.v3i1.588>
- Wang, G., Jia, Q. S., Zhou, M. C., Bi, J., Qiao, J., & Abusorrah, A. (2022). Artificial neural networks for water quality soft-sensing in wastewater treatment: a review. *Artificial Intelligence Review*, 55(1), 565–587. <https://doi.org/10.1007/s10462-021-10038-8>

- Wang, H., Hong, M., & Hong, Z. (2021). Research on BP Neural Network Recommendation Model Fusing User Reviews and Ratings. *IEEE Access*, 9, 86728–86738. <https://doi.org/10.1109/ACCESS.2021.3080079>
- Wang, S., Di, J., Wang, D., Dai, X., Hua, Y., Gao, X., Zheng, A., & Gao, J. (2022). State-of-the-Art Review of Artificial Neural Networks to Predict, Characterize and Optimize Pharmaceutical Formulation. *Pharmaceutics*, 14(1), 183. <https://doi.org/10.3390/pharmaceutics14010183>
- Wei, W., & Yang, X. (2021). Comparison of Diagnosis Accuracy between a Backpropagation Artificial Neural Network Model and Linear Regression in Digestive Disease Patients: an Empirical Research. *Computational and Mathematical Methods in Medicine*, 2021, 6662779. <https://doi.org/10.1155/2021/6662779>
- Wibowo, P., Suryono, S., & Gunawan, V. (2019). Pengaruh Perbedaan Jumlah Hidden Layer dalam Jaringan Syaraf Tiruan Terhadap Prediksi Kebutuhan Captopril dan Paracetamol pada Rumah Sakit. *Jurnal Media Aplikom*, 11(2), 45–58. <https://doi.org/10.33488/2.ma.2019.2.207>
- Zhang, H., & Mu, J. H. (2021). A Back Propagation Neural Network-Based Method for Intelligent Decision-Making. *Complexity*, 2021, 1–11. <https://doi.org/10.1155/2021/6610797>
- Zhu, T., Li, K., Herrero, P., & Georgiou, P. (2021). Deep Learning for Diabetes: A Systematic Review. *IEEE Journal of Biomedical and Health Informatics*, 25(7), 2744–2757. <https://doi.org/10.1109/JBHI.2020.3040225>
- Zwaida, T. A., Pham, C., & Beauregard, Y. (2021). Optimization of inventory management to prevent drug shortages in the hospital supply chain. *Applied Sciences (Switzerland)*, 11(6). <https://doi.org/10.3390/app11062726>