

## DAFTAR PUSTAKA

- Aenun, E. J., & Mashuri, M. (2022). IMPLEMENTASI LOGIKA FUZZY METODE-DE MAMDANI PADA PREDIKSI BIAYA PEMAKAIAN LISTRIK (STUDI KASUS: KELURAHAN GANDASARI, KOTA TANGERANG). *UNNES Journal of Mathematics*, *11*(2), 179–188.
- Anshori, A., Siswojo, B., & Hasanah, R. N. (2020). Teknik Fast Charging Baterai Lithium-Ion Menggunakan Logika Fuzzy. *Ecotipe*, *7*, 26-37. doi: 10.33019/ecotipe.v7i1.1384
- Chesnaye, N. C., van Diepen, M., Dekker, F., Zoccali, C., Jager, K. J., & Stel, V. S. (2025). Non-Linear Relationships in Clinical Research. *Nephrology Dialysis Transplantation*, *40*(2), 244–254.
- de Melo, L. G., Lucas, L. A., & Delgado, M. R. (2016, March). Fuzzy rule base design with probabilistic weights. *Advances in Computational Intelligence*, 1–8. Retrieved from [http://abricom.org.br/eventos/cbic\\_2011/st\\_05\\_3](http://abricom.org.br/eventos/cbic_2011/st_05_3) doi: 10.21528/CBIC2011-05.3
- De Veaux, R. D., Velleman, P. F., & Bock, D. E. (2012). *Stats: Data and Models* (3rd ed.). Pearson Education.
- Dienes, Z. P. (1949). On An Implication Function in Many-Valued Systems of Logic. *The Journal of Symbolic Logic*, *14*(2), 95–97.
- Duřu, L.-C., Mauris, G., & Bolon, P. (2018). A Fast and Accurate Rule-Base Generation Method for Mamdani Fuzzy Systems. *IEEE Transactions on Fuzzy Systems*, *26*, 715-733. doi: 10.1109/TFUZZ.2017.2688349
- Fahmizal, F., Orlando, T. R., Murti, B. B., Budiyanto, M., & Mayub, A. (2019). Kendali Logika Fuzzy pada Sistem Electronic Control Unit (ECU) Air Conditioner Mobil. *Jurnal Teknologi Informasi dan Ilmu Komputer*, *6*(1), 25–32.

- Faradila, F., Risqiwati, D., & Sari, Z. (2019). Sistem Kontrol Suhu Rem Hidrolik Pada Kendaraan Bermotor Dengan Metode Logika Fuzzy. *JEECAE (Journal of Electrical, Electronics, Control, and Automotive Engineering)*, 4(1), 235–240.
- Guillaume, S., & Charnomordic, B. (2011). Learning interpretable fuzzy inference systems with FisPro. *Inf. Sci.*, 181, 4409-4427. doi: 10.1016/j.ins.2011.03.025
- Gürsel, G. (2016). Healthcare, uncertainty, and fuzzy logic. *Digital Medicine*, 2(3), 101–112.
- Han, L., Liu, H., Zhang, W., & Wang, L. (2023). A Comprehensive Comparison of Copula Models and Multivariate Normal Distribution for Geo-Material Parametric Data. *Computers and Geotechnics*. doi: 10.1016/j.compgeo.2023.105777
- Hofert, M., Kojadinovic, I., Mächler, M., & Yan, J. (2018). *Elements of copula modeling with R*. Springer.
- Hu, X., Pedrycz, W., & Wang, X. (2019). Random Ensemble of Fuzzy Rule-Based Models. *Knowl. Based Syst.*, 181. doi: 10.1016/J.KNOSYS.2019.05.011
- James, G., Witten, D., Hastie, T., & Tibshirani, R. (2013). *An introduction to statistical learning*. Springer.
- Joe, H. (1997). *Multivariate models and multivariate dependence concepts*. CRC press.
- Kamel, A. R., & Abonazel, M. R. (2023). A simple introduction to regression modeling using r. *Computational Journal of Mathematical and Statistical Sciences*, 2(1), 52–79.
- Khairiati, A., Budiarti, R., & Purnaba, I. G. P. (2022). Perbandingan analisis regresi linear dengan analisis regresi copula pada data keuangan. *Jambura Journal of Mathematics*, 4(2), 209–219.
- Klir, G., & Yuan, B. (1995). *Fuzzy sets and fuzzy logic* (Vol. 4). New Jersey: Prentice Hall.

- Li, J., Liu, P., Chen, L., Pedrycz, W., & Ding, W. (2024). An Integrated Fusion Framework for Ensemble Learning Leveraging Gradient-Boosting and Fuzzy Rule-Based Models. *IEEE Transactions on Artificial Intelligence*, 5, 5771-5785. doi: 10.1109/TAI.2024.3424427
- Lu, X., & Bai, Y. (2020). A New Rule Reduction Method for Fuzzy Modeling. *IEEE Transactions on Fuzzy Systems*, 28, 3023-3031. doi: 10.1109/TFUZZ.2019.2947225
- Lukasiewicz, J., & Tarski, A. (1956). Investigations into the sentential calculus. *Logic, semantics, metamathematics*, 38–59.
- Mamdani. (1977). Application of fuzzy logic to approximate reasoning using linguistic synthesis. *IEEE transactions on computers*, 100(12), 1182–1191.
- Mamdani, E. H. (1974). Application of Fuzzy Algorithms for Control of Simple Dynamic Plant. In *Proceedings of the institution of electrical engineers* (Vol. 121, pp. 1585–1588).
- Mardiatmoko, G. (2020). Pentingnya Uji Asumsi Klasik pada Analisis Regresi Linier Berganda (Studi Kasus Penyusunan Persamaan Allometrik Kenari Muda [canarium indicum L.]). *BAREKENG: Jurnal Ilmu Matematika Dan Terapan*, 14(3), 333–342.
- Maulana, R., Ichsan, M. H. H., & Setyawan, G. E. (2018). Implementasi Pengkondisian Kipas dan Lampu Otomatis Menggunakan Logika Fuzzy. *Jurnal Pengembangan Teknologi Informasi dan Ilmu Komputer*, 2(11), 5301–5309.
- McNeil, A. J., Frey, R., & Embrechts, P. (2015). *Quantitative Risk Management: Concepts, Techniques and Tools*. New Jersey: Princeton University Press.
- McQuire, P., & Kume, A. (2024). *R Programming for Actuarial Science*. Chichester: John Wiley & Sons.

- Montgomery, D. C., Peck, E. A., & Vining, G. G. (2021). *Introduction to linear regression analysis*. John Wiley & Sons.
- Narwat, L. K., & Dhillon, J. (2021). Design and Operation of Fuzzy Logic based MPPT Controller Under Uncertain Condition. In *Journal of physics: Conference series* (Vol. 1854, p. 012035).
- Nelson, W. (1981). Analysis of Performance-Degradation Data from Accelerated Tests. *IEEE Transactions on Reliability*, 30(2), 149–155.
- Nikmah, Z. (2015). Pemodelan Regresi Menggunakan Metode Gaussian Copula Marginal Regression (GCMR). *Jurnal Mahasiswa Statistik*, 3(5).
- Parsa, R. A., & Klugman, S. A. (2011). Copula Regression. *Variance*, 12(2), 45–54.
- Pham, B., Bui, D. T., Prakash, I., & Dholakia, M. (2016). Rotation Forest Fuzzy Rule-Based Classifier Ensemble for Spatial Prediction of Landslides Using GIS. *Natural Hazards*, 83, 97-127. doi: 10.1007/s11069-016-2304-2
- Pratama, D., Prihatini, E., & Muslimin, S. (2020). Perancangan Kemudi Kendaraan Listrik Penghindar Halangan Menggunakan Kontrol Logika Fuzzy. *Jurnal Teknik Elektro*, 9(1), 30–36.
- Puspita, E. S., & Yulianti, L. (2016). Perancangan Sistem Peramalan Cuaca Berbasis Logika Fuzzy. *Jurnal Media Infotama*, 12(1), 1–10.
- Rezk, S. S., & Selim, K. S. (2024). Metaheuristic-based ensemble learning: An extensive review of methods and applications. *Neural Computing and Applications*, 36(29), 17931–17959.
- Riza, L. S., Bergmeir, C., Herrera, F., & Benítez, J. M. (2015). frbs: Fuzzy Rule-Based Systems for Classification and Regression in R. *Journal of Statistical Software*, 65, 1–30.

- Royes, G. F., & Bastos, R. C. (2006). Uncertainty Analysis in Political Forecasting. *Decision Support Systems*, 42(1), 25–35.
- Sahoo, P. (2008). *Probability and Mathematical Statistics*. Louisville: University of Louisville.
- Saputri, A. D., Ramadhani, R. D., & Adhitama, R. (2019). Logika Fuzzy Sugeno untuk Pengambilan Keputusan dalam Penjadwalan dan Peningkat Service Sepeda Motor. *Journal of Informatics Information System Software Engineering and Applications (INISTA)*, 2(1), 49–55.
- Setiadji. (2009). *Himpunan & Logika Samar Serta Aplikasinya*. Yogyakarta: Graha Ilmu.
- Singh, A., Kotiyal, V., Sharma, S., Nagar, J., & Lee, C.-C. (2020). A Machine Learning Approach to Predict the Average Localization Error With Applications to Wireless Sensor Networks. *IEEE Access*, 8, 208253–208263.
- Sklar, M. (1959). Fonctions de répartition à n dimensions et leurs marges. In *Annales de l'isup* (Vol. 8, pp. 229–231).
- Soua, B., Borgi, A., & Tagina, M. (2012). An ensemble method for fuzzy rule-based classification systems. *Knowledge and Information Systems*, 36, 385 - 410. doi: 10.1007/s10115-012-0532-7
- Susilo, F. (2018). *Himpunan & Logika Kabur Serta Aplikasinya*. Yogyakarta: Matematika.
- Susyanto, N., Klaassen, C., Veldhuis, R. N., & Spreeuwes, L. J. (2015). Semiparametric score level fusion: Gaussian copula approach. In *36th wic symposium on information theory in the benelux 2015* (pp. 26–33).
- Susyanto, N., Veldhuis, R., Spreeuwes, L., & Klaassen, C. (2019). Semiparametric likelihood-ratio-based biometric score-level fusion via parametric copula. *IET biometrics*, 8(4), 277–283.

- Takagi, T., & Sugeno, M. (1985). Fuzzy Identification of Systems and Its Applications to Modeling and Control. *IEEE Transactions on Systems, Man, and Cybernetics, SMC-15*(1), 116-132. doi: 10.1109/TSMC.1985.6313399
- Thakkar, H., Shah, V., Yagnik, H., & Shah, M. (2021). Comparative Anatomization of Data Mining and Fuzzy Logic Techniques Used in Diabetes Prognosis. *Clinical eHealth, 4*, 12–23.
- Triola, M. F. (2012). *Elementary Statistics* (11th ed.). Pearson New York.
- Tuan, T., Lan, L. T. H., Chou, S., Ngan, T. T., Son, L. H., Giang, N. L., & Ali, M. (2020). M-CFIS-R: Mamdani Complex Fuzzy Inference System with Rule Reduction Using Complex Fuzzy Measures in Granular Computing. *Mathematics*. doi: 10.3390/math8050707
- van den Berg, J., Kaymak, U., & Bergh, W. (2002). Fuzzy classification using probability-based rule weighting. *2002 IEEE World Congress on Computational Intelligence. 2002 IEEE International Conference on Fuzzy Systems. FUZZ-IEEE'02. Proceedings (Cat. No.02CH37291)*, 2, 991-996 vol.2. doi: 10.1109/FUZZ.2002.1006639
- Verdian, A., Wantoro, A., Utami, Y. T., Hatta, S. R. M. J. S., Metro, M. K., Nomor, J. S. B., & Lampung, R. B. (2023). PENERAPAN LOGIKA FUZZY DENGAN FIS MAMDANI PADA PROTOTYPE VOLUME TELEVISI SECARA OTOMATIS. *Jurnal Teknik dan Sistem Komputer (JTikom)*, 4(1), 38–48.
- Vesely, S., Klöckner, C. A., & Dohnal, M. (2016). Predicting recycling behaviour: Comparison of a linear regression model and a fuzzy logic model. *Waste management, 49*, 530–536.
- Wackerly, D. D., Mendenhall, W., & Scheaffer, R. L. (2008). *Mathematical Statistics with Applications* (Vol. 7). Thomson Brooks/Cole Belmont, CA.
- Walpole, R. E., Myers, R. H., Myers, S. L., & Ye, K. (2011). *Probability & Statistics for Engineers & Scientist* (9th ed.). Prentice Hall.

- Wang, L.-X., & Mendel, J. M. (1992). Generating fuzzy rules by learning from examples. *IEEE Transactions on systems, man, and cybernetics*, 22(6), 1414–1427.
- Wardoyo, R., & Yuniarti, W. D. (2020). Analysis of Fuzzy Logic Modification for Student Assessment in E-Learning. *IJID (International Journal on Informatics for Development)*, 9(1), 29–36.
- Wibowo, S. (2015). Penerapan logika fuzzy dalam penjadwalan waktu kuliah. *Jurnal Informatika UPGRIS*, 1(1 Juni).
- Windhani, K. (2008). *Aplikasi Fuzzy Logic dalam Penilaian Properti Ruko di Yogyakarta* (Unpublished doctoral dissertation). Universitas Gadjah Mada.
- Xu, J. J. (1996). *Statistical modelling and inference for multivariate and longitudinal discrete response data* (Doctoral dissertation, University of British Columbia). doi: <http://dx.doi.org/10.14288/1.0087914>
- Yeh, I.-C., & Hsu, T.-K. (2018). Building real estate valuation models with comparative approach through case-based reasoning. *Applied Soft Computing*, 65, 260–271.
- Zadeh, L. A. (1965). Fuzzy Sets. *Information and Control*, 8, 338–353.
- Zadeh, L. A. (1973). Outline of A New Approach to the Analysis of Complex Systems and Decision Processes. *IEEE Transactions on systems, Man, and Cybernetics*(1), 28–44.
- Zadeh, L. A. (1975). The Concept of a Linguistic Variable and its Application to Approximate Reasoning—II. *Information Sciences*, 8(4), 301–357.
- Zhang, L., & Singh, V. P. (2019). *Copulas and Their Applications in Water Resources Engineering*. Cambridge University Press.
- Zhang, Y., Liu, J., & Shen, W. (2022). A review of ensemble learning algorithms used in remote sensing applications. *Applied Sciences*, 12(17), 8654.

Zheng, A. (2015). *Evaluating Machine Learning Models: A Beginner's Guide to Key Concepts and Pitfalls*. O'Reilly Media.

Zheng, J., & Tang, Y. (2005). Fuzzy inference system with probability factor and its application in data mining. In *Web technologies research and development-apweb 2005: 7th asia-pacific web conference, shanghai, china, march 29-april 1, 2005. proceedings 7* (pp. 944–949).

Zhou, Z.-H. (2012). *Ensemble Methods: Foundations and Algorithms*. Boca Raton: CRC press.

Zimmermann, H.-J. (2011). *Fuzzy Set Theory and Its Applications*. Springer Science & Business Media.