

## DAFTAR PUSTAKA

- [1] A. B. Khalifa, "MI-ANFIS : A Multiple Instance Adaptive Neuro-Fuzzy Inference System standard Adaptive Neuro-Fuzzy Inference System."
- [2] K. Hussain, M. Najib, and M. Salleh, "Optimization of ANFIS using Mine Blast Algorithm for Predicting Strength of Malaysian Small Medium Enterprises," pp. 118–123, 2015.
- [3] A. Tushar, "Extreme Learning ANFIS for classification problems," no. September, pp. 4–5, 2015.
- [4] U. De Ara, "Nonlinear System Identification based on Modified ANFIS," 2003.
- [5] A. Tushar, "Extreme Learning ANFIS for classification problems," no. September, pp. 4–5, 2015.
- [6] K. Kampouropoulos, S. Member, F. Andrade, E. Sala, S. Member, A. G. Espinosa, and L. Romeral, "Multiobjective Optimization of Multi-Carrier Energy System using a combination of ANFIS and Genetic Algorithms," vol. 3053, no. c, pp. 1–9, 2016.
- [7] S. Sharma, U. Kalra, S. Srivathsan, K. P. S. Rana, and V. Kumar, "Efficient Air Pollutants Prediction using ANFIS Trained by Modified PSO Algorithm," 2015.
- [8] G. Ma, C. Yu, Z. He, M. Gao, Y. Liu, and W. Chen, "Estimation of Li-ion Battery SOH Using Fletcher-Reeves based ANFIS," pp. 827–830, 2015.
- [9] V. K. Garg, "Soft Computing Technique Based on ANFIS for the Early Detection of Sleep Disorders," pp. 76–79, 2015.
- [10] L. B. Fazlic dan A. Avdagic, "Prediction of Lung Nicotine Concentration Based on Novel GA-ANFIS System Approach," International Conference on Information, Communication and Automation Technologies, vol. xxv, 2015.
- [11] S. M. Khot, "Investigation of effect of surface failures on inner and outer race of bearing on vibration spectrum," pp. 1–4, 2015.
- [12] <http://www.bardenbearings.co.uk/>
- [13] S. M. Khot, "Investigation of effect of surface failures on inner and outer race of bearing on vibration spectrum," pp. 1–4, 2015.
- [14] Q. Li and Z. Pi, "Research on Spindle Bearings State Recognition of CNC

- Milling Machine Based on Noise Monitoring,” 2011 Second Int. Conf. Digit. Manuf. Autom., pp. 1019–1021, Aug. 2011.
- [15] L. Zhang, R. X. Gao, S. Member, and K. B. Lee, “Spindle Health Diagnosis Based on Analytic Wavelet Enveloping,” vol. 55, no. 5, pp. 1850–1858, 2006.
  - [16] G. Guo and X. Mao, “Study on early warning system of electrical spindle failures,” pp. 627–629, 2011.
  - [17] C. Huang, M. Lu, C. Lu, and Y. Hsu, “Study of spindle vibration signals for tool breakage monitoring in micro-drilling,” 2011 9th World Congr. Intell. Control Autom., pp. 1130–1134, Jun. 2011.
  - [18] N. Dajun, J. Minqing, F. Hongwei, L. Meng, L. Heng, and L. Jun, “Study on Monitoring and Warning System for High-speed Motorized Spindle Based on Vibration Signals,” pp. 1–4, 2013.
  - [19] Stolk, I., & Kros, I. (1984). Elemen Mesin. Jakarta Pusat: Penerbit Erlangga.
  - [20] Ir. Sularso, M., & Suga, K. (1980). Dasar Perencanaan dan Pemilihan Elemen Mesin. Jakarta: PT Pradnya Paramita.
  - [21] S. Wadhwani, A. Wadhwani, S. P. Gupta dan V. Kumar, “Detection of Bearing Failure in Rotating Machine Using Adaptive Neuro-Fuzzy Inference System,” IEEE, 2006.
  - [22] K. O. Oyedola, “Diagnostics of Bearing Defects Using Vibration Signal,” vol. 4, no. 6, pp. 4–8, 2012.
  - [23] J. Wiley and Sons, Noise and vibration analysis, Denmark: Anders Brandt, 2010.
  - [24] M. Malleswaran, “Genetically Optimized ANFIS based Intelligent Navigation System,” pp. 390–395, 2011.
  - [25] T. Mafolo and O. M. Popoola, “Domestic Lighting Demand Profile Prediction Using ANFIS and Neural Network.”
  - [26] K. Kacha, F. D. S. Member, H. Ferhati, H. Bencherif, and T. Bentrchia, “Investigation of GaAs / Si Solar cell With Interfacial Defects Using ANFIS Technique,” 2015.
  - [27] A. D. Dubey, “Gold Price Prediction using Support Vector Regression and ANFIS models,” 2016.
  - [28] H. Hamdan, “Automatic Generation of ANFIS Rules in Modelling Breast Cancer Survival,” 2014.

- [29] S. Araghi, A. Khosravi, and D. Creighton, "Design of an Optimal ANFIS Traffic Signal Controller by using Cuckoo Search for an Isolated Intersection," pp. 2078–2083, 2015.
- [30] D. Karaboga, "Training ANFIS Using Artificial Bee Colony Algorithm," pp. 1–5, 2013.
- [31] A. C. Soh and K. Y. Kean, "Reduction of ANFIS-Rules Based System through K-Map Minimization for Traffic Signal Controller," pp. 1290–1295, 2012.
- [32] C. André and G. Fonseca, "Estrutura ANFIS Modificada para Identificação e Controle de Plantas com Ampla Faixa de Operação e não Linearidade Acentuada Estrutura ANFIS Modificada para Identificação e Controle de Plantas com Ampla Faixa de Operação e não Linearidade Acentuada Carlos André Guerra Fonseca," 2012.
- [33] B. B. Jovanovic, I. S. Reljin, M. Ieee, and B. D. Reljin, "Modified ANFIS Architecture - Improving Efficiency of ANFIS Technique."
- [34] L. Thiaw, G. Sow, O. Ba, and S. Fall, "Designing ANFIS with Self-extraction of Rules," no. 2, 2014.
- [35] N. Desai, P. A. Kharwar, C. Naik, A. Data, C. Approach, and A. Ppdm, "Hybrid Cart-Anfis Approach for Privacy Preserving Anonymization Technique," 2015.
- [36] A. Tushar, "Extreme Learning ANFIS for classification problems," no. September, pp. 4–5, 2015.
- [37] T. Zhang, . L. Geng, . X. Chen, T. Yu, W. Wang dan X. Fei, "Research on fault diagnosis of TBM main bearing based on improved BP neural network," UKACC International Conference on Control, 2012.
- [38] U. S. A. Nj, "Machinery Time to Failure Prediction - Case Study and Lesson Learned for a Spindle Bearing Application."
- [39] [http:// www.insinyoer.com](http://www.insinyoer.com)
- [40] K. S. Deore and M. A. Khandekar, "Bearing Fault Detection in Induction Motor Using Time Domain Analysis," pp. 10702–10707, 2014.
- [41] Suhardjono, "Analisis Sinyal Getaran untuk Menentukan Jenis dan Tingkat Kerusakan Bantalan Bola (Ball Bearing)," J. Tek. Mesin, vol. 6, no. 2, pp. 39–48, 2004.
- [42] <http://csegroups.case.edu/bearingdatacenter/home>
- [43] S. Tyagi, "Wavelet Analysis And EnvelopeDetection For Rolling Element

Bearing Fault Diagnosis - A Comparative Study”.

- [44] F. R. Kschischang, “The Hilbert Transform,” toronto, 2006.
- [45] Kusumadewi, S. (2004). Membangun Jaringan Syaraf Tiruan Menggunakan Matlab & Excel Link. Yogyakarta: Graha Ilmu.
- [46] <http://herriyance.trigunadharma.ac.id>
- [47] S. Kusumadewi dan H. Purnomo, Aplikasi logika fuzzy untuk pendukung keputusan, Yogyakarta: Graha Ilmu, 2004.
- [48] Kusumadewi, S. (2004). Membangun Jaringan Syaraf Tiruan Menggunakan Matlab & Excel Link. Yogyakarta: Graha Ilmu.
- [49] Kusumadewi, S., & Hartati, S. (2010). Neuro-Fuzzy Integrasi Sistem Fuzzy & Jaringan Syaraf edisi 2. yogyakarta: Graha Ilmu.
- [50] W. Zhu, N. Zeng dan N. Wang, “Sensitivity, Specificity, Accuracy, Associated Confidence Interval and ROC,” Health Care and Life Sciences NESUG 2010.
- [51] Junaedi, H., Budianto, H., Maryati, I., & Melani, Y. (2011). Data Transformation pada Data Mining. Prosiding Konferensi Nasional “Inovasi dalam Desain dan Teknologi” - IDEaTech.
- [52] <https://theses.lib.vt.edu>
- [53] Ruminta, “Model temporal curah hujan dan debit sungai citarum berbasis ANFIS,” Jurnal Sains Dirgantara , vol. 6 No 1, 2008.
- [54] T. Sukmadi, “Simulasi Sistem Eksitasi Untuk Kondensator Sinkron Pada Pembangkit Tenaga Listrik Angin,” Gema Teknologi, vol. 16 No 4, 2011.
- [55] O. Wahyunggoro, “Optimization of FLIC in Servomotor Control Using a Modified Genetic Algorithm,” CITEE, 2011.
- [56] W. Zhu, N. Zeng dan N. Wang, “Sensitivity, Specificity, Accuracy, Associated Confidence Interval and ROC,” Health Care and Life Sciences NESUG 2010.
- [57] [http:// www.kogelaha.com](http://www.kogelaha.com)