

## DAFTAR PUSTAKA

- [1] A. A. Salem, R. Abd Rahman, dan S. Al-Ameri, "Pollution Flashover Characteristics of High-Voltage Outdoor Insulators: Analytical Study," *Arab. J. Sci. Eng.*, vol. 47, no. 3, hal. 2711–2729, 2022, doi: 10.1007/s13369-021-05745-x.
- [2] Y. Mizuno, M. Maeda, dan K. Kondo, "Flashover Risk-Based Probabilistic Design of Transmission Line Insulators under Contamination Conditions," *IEEE Trans. Power Deliv.*, vol. 38, no. 5, hal. 3611–3620, 2023, doi: 10.1109/TPWRD.2023.3285538.
- [3] L. Chen, X. Shi, B. Peng, dan J. Sun, "Dynamic Simulation of Power Systems Considering Transmission Lines Icing and Insulators Flashover in Extreme Weather," *IEEE Access*, vol. 10, hal. 39656–39664, 2022, doi: 10.1109/ACCESS.2022.3166483.
- [4] A. A. Salem dan R. Abd-Rahman, "A Review of the Dynamic Modelling of Pollution Flashover on High Voltage Outdoor Insulators," *J. Phys. Conf. Ser.*, vol. 1049, no. 1, 2018, doi: 10.1088/1742-6596/1049/1/012019.
- [5] A. A. Salem *et al.*, "Influence of contamination distribution in characterizing the flashover phenomenon on outdoor insulator," *Ain Shams Eng. J.*, vol. 14, no. 12, hal. 102249, 2023, doi: 10.1016/j.asej.2023.102249.
- [6] G. E. Asimakopoulou, V. T. Kontargyri, G. J. Tsekouras, C. N. Elias, F. E. Asimakopoulou, dan I. A. Stathopoulos, "A fuzzy logic optimization methodology for the estimation of the critical flashover voltage on insulators," *Electr. Power Syst. Res.*, vol. 81, no. 2, hal. 580–588, 2011, doi: 10.1016/j.epsr.2010.10.024.
- [7] A. Mahdjoubi, B. Zegnini, M. Belkheiri, dan T. Seghier, "Fixed least squares support vector machines for flashover modelling of outdoor insulators," *Electr. Power Syst. Res.*, vol. 173, no. July 2018, hal. 29–37, 2019, doi: 10.1016/j.epsr.2019.03.010.
- [8] M. Tahir Khan Niazi, Arshad, J. Ahmad, F. Alqahtani, F. A. B. Baotham, dan F. Abu-Amara, "Prediction of critical flashover voltage of high voltage insulators leveraging bootstrap neural network," *Electron.*, vol. 9, no. 10, hal. 1–21, 2020, doi: 10.3390/electronics9101620.
- [9] Arshad, J. Ahmad, A. Tahir, B. G. Stewart, dan A. Nekahi, "Forecasting flashover parameters of polymeric insulators under contaminated conditions using the machine learning technique," *Energies*, vol. 13, no. 15, hal. 1–16, 2020, doi: 10.3390/en13153889.
- [10] S. Khatoon, A. A. Khan, M. Tariq, B. Alamri, dan L. Mihet-Popa, "Flashover Voltage Prediction Models under Agricultural and Biological Contaminant Conditions on Insulators," *Energies*, vol. 15, no. 4, hal. 1–14, 2022, doi: 10.3390/en15041297.
- [11] M. M. Mohsenzadeh, S. Hasanzadeh, H. R. Sezavar, dan M. H. Samimi, "Flashover voltage and time prediction of polluted silicone rubber insulator based on artificial neural networks," *Electr. Power Syst. Res.*, vol. 221, no. April, hal. 109456, 2023, doi: 10.1016/j.epsr.2023.109456.
- [12] I. Sansa dan N. M. Bellaaj, "Solar Radiation Prediction Using NARX Model," *Adv. Appl. Artif. Neural Networks*, hal. 1–16, 2018, doi:

- 10.5772/intechopen.70570.
- [13] M. Louzazni, H. Mosalam, dan D. T. Cotfas, "Forecasting of photovoltaic power by means of non-linear auto-regressive exogenous artificial neural network and time series analysis," *Electron.*, vol. 10, no. 16, 2021, doi: 10.3390/electronics10161953.
- [14] A. Al Miaari dan H. M. Ali, "Batteries temperature prediction and thermal management using machine learning: An overview," *Energy Reports*, vol. 10, hal. 2277–2305, 2023, doi: 10.1016/j.egy.2023.08.043.
- [15] Z. Boussaada, O. Curea, A. Remaci, H. Camblong, dan N. M. Bellaaj, "A nonlinear autoregressive exogenous (NARX) neural network model for the prediction of the daily direct solar radiation," *Energies*, vol. 11, no. 3, 2018, doi: 10.3390/en11030620.
- [16] A. Chmielewski, J. Możaryn, P. Piórkowski, dan K. Bogdziński, "Battery Voltage Estimation Using NARX Recurrent Neural Network Model," *Adv. Intell. Syst. Comput.*, vol. 920, no. January, hal. 218–231, 2020, doi: 10.1007/978-3-030-13273-6\_22.
- [17] M. Gao *et al.*, "Temperature prediction of solar greenhouse based on NARX regression neural network," *Sci. Rep.*, vol. 13, no. 1, hal. 1–11, 2023, doi: 10.1038/s41598-022-24072-1.
- [18] Y. Yang, T. Nikolaidis, S. Jafari, dan P. Pilidis, "Gas turbine engine transient performance and heat transfer effect modelling: A comprehensive review, research challenges, and exploring the future," *Appl. Therm. Eng.*, vol. 236, no. PA, hal. 121523, 2024, doi: 10.1016/j.applthermaleng.2023.121523.
- [19] G. Hayder, M. I. Solihin, dan M. R. N. Najwa, "Multi-step-ahead prediction of river flow using NARX neural networks and deep learning LSTM," *H2Open J.*, vol. 5, no. 1, hal. 42–59, 2022, doi: 10.2166/h2oj.2022.134.
- [20] A. S. A. Moursi, N. El-Fishawy, S. Djahel, dan M. A. Shouman, "Enhancing PM2.5 Prediction Using NARX-Based Combined CNN and LSTM Hybrid Model," *Sensors*, vol. 22, no. 12, 2022, doi: 10.3390/s22124418.
- [21] A. Sada, N. Bara, dan H. B. Kawuwa, "Nonlinear Autoregressive External Input ( NARX ) for Prediction of All Sky Radiation," vol. 8, no. 3, hal. 261–267, 2020.
- [22] L. Wang, B. He, Y. Xie, R. Jiang, Y. Mao, dan Y. Zhou, "Analysis and detection of electric field distribution characteristics of degraded insulators," *Int. J. Emerg. Electr. Power Syst.*, vol. 21, no. 5, 2020, doi: 10.1515/ijeeps-2019-0212.
- [23] M. M. Hussain, S. Farokhi, S. G. McMeekin, dan M. Farzaneh, "Risk assessment of failure of outdoor high voltage polluted insulators under combined stresses near shoreline," *Energies*, vol. 10, no. 10, 2017, doi: 10.3390/en10101661.
- [24] M. Ahsan *et al.*, "Comprehensive Analysis of Insulator Performance in High Voltage Transmission Systems : Implications for Efficient Power Transfer," vol. 1, no. 1, hal. 117–130, 2024.
- [25] S. Venkataraman dan R. S. Gorur, "Prediction of flashover voltage of non-ceramic insulators under contaminated conditions," *IEEE Trans. Dielectr. Electr. Insul.*, vol. 13, no. 4, hal. 862–869, 2006, doi: 10.1109/TDEI.2006.1667747.
- [26] P. Cline, W. Lannes, dan G. Richards, "Use of pollution monitors with a

- neural network to predict insulator flashover,” *Electr. Power Syst. Res.*, vol. 42, no. 1, hal. 27–33, 1997, doi: 10.1016/S0378-7796(96)01173-X.
- [27] J. Li, W. Sima, C. Sun, dan S. A. Sebo, “Use of leakage currents of insulators to determine the stage characteristics of the flashover process and contamination level prediction,” *IEEE Trans. Dielectr. Electr. Insul.*, vol. 17, no. 2, hal. 490–501, 2010, doi: 10.1109/TDEI.2010.5448105.
- [28] C. Volat, F. Meghnefi, M. Farzaneh, dan H. Ezzaidi, “Monitoring leakage current of ice-covered station post insulators using artificial neural networks,” *IEEE Trans. Dielectr. Electr. Insul.*, vol. 17, no. 2, hal. 443–450, 2010, doi: 10.1109/TDEI.2010.5448099.
- [29] A. Mahdjoubi, B. Zegnini, M. Belkheiri, dan T. Seghier, “Fixed least squares support vector machines for flashover modelling of outdoor insulators,” *Electr. Power Syst. Res.*, vol. 173, no. April, hal. 29–37, 2019, doi: 10.1016/j.epsr.2019.03.010.
- [30] L. S. Nasrat dan S. Aly, “Evaluation of Flashover Voltage Mechanisms on Hydrophobic Polymer Insulators with Artificial Neural Network Approach,” *Int. J. Electr. Comput. Eng.*, vol. 2, no. 4, hal. 487–494, 2012, doi: 10.11591/ijece.v2i4.580.
- [31] V. T. Kontargyri, A. A. Gialketsi, G. J. Tsekouras, I. F. Gonos, dan I. A. Stathopoulos, “Comparison between artificial neural networks algorithms for the estimation of the flashover voltage on insulators,” *Electr. Power Syst. Res.*, vol. 77, no. 12, hal. 1532–1540, 2007, doi: 10.1016/j.epsr.2006.10.017.
- [32] L. G. Baca Ruiz, M. P. Cuéllar, M. D. Calvo-Flores, dan M. D. C. Pegalajar Jiménez, “An Application of Non-Linear Autoregressive Neural Networks to Predict Energy Consumption in Public Buildings,” *Energies*, vol. 9, no. 9, 2019, doi: 10.3390/en9090684.
- [33] S. Benouar, M. Kedir-Talha, dan F. Seoane, “Time-series NARX feedback neural network for forecasting impedance cardiography ICG missing points: a predictive model,” *Front. Physiol.*, vol. 14, no. June, hal. 1–14, 2023, doi: 10.3389/fphys.2023.1181745.
- [34] S. Çoruh, F. Geyikçi, E. Kiliç, dan U. Çoruh, “The use of NARX neural network for modeling of adsorption of zinc ions using activated almond shell as a potential biosorbent,” *Bioresour. Technol.*, vol. 151, hal. 406–410, 2014, doi: 10.1016/j.biortech.2013.10.019.
- [35] L. H. Peeters, G. I. Beintema, M. Forgiione, dan M. Schoukens, “NARX Identification using Derivative-Based Regularized Neural Networks,” in *Proceedings of the IEEE Conference on Decision and Control*, 2022, hal. 1515–1520. doi: 10.1109/CDC51059.2022.9992559.
- [36] A. Bile, H. Tari, A. Grinde, F. Frasca, A. M. Siani, dan E. Fazio, “Novel Model Based on Artificial Neural Networks to Predict Short-Term Temperature Evolution in Museum Environment,” *Sensors*, vol. 22, no. 2, hal. 1–16, 2022, doi: 10.3390/s22020615.