



DAFTAR PUSTAKA

- [1] L. An, P. Wang, A. Sarti, F. Antonacci, and J. Shi, "Hyperbolic boiler tube leak location based on quaternary acoustic array," *Appl. Therm. Eng.*, vol. 31, no. 16, pp. 3428–3436, Nov. 2011, doi: 10.1016/j.applthermaleng.2011.06.028.
- [2] S. Khalid *et al.*, "Intelligent Steam Power Plant Boiler Waterwall Tube Leakage Detection via Machine Learning-Based Optimal Sensor Selection," *Sensors*, vol. 20, no. 21, p. 6356, Nov. 2020, doi: 10.3390/s20216356.
- [3] X. Sun, T. Chen, and H. J. Marquez, "Boiler Leak Detection Using a System Identification Technique," *Ind. Eng. Chem. Res.*, vol. 41, no. 22, pp. 5447–5454, Oct. 2002, doi: 10.1021/ie010949+.
- [4] N. Afgan, P. J. Coelho, and M. G. Carvalho, "Boiler tube leakage detection expert system," *Appl. Therm. Eng.*, vol. 18, no. 5, pp. 317–326, Jan. 1998, doi: 10.1016/S1359-4311(97)00054-9.
- [5] X. Sun, H. J. Marquez, T. Chen, and M. Riaz, "An improved PCA method with application to boiler leak detection," *ISA Trans.*, vol. 44, no. 3, pp. 379–397, Jul. 2005, doi: 10.1016/S0019-0578(07)60211-0.
- [6] H. Nalatissifa, W. Gata, S. Diantika, and K. Nisa, "Perbandingan Kinerja Algoritma Klasifikasi Naive Bayes, Support Vector Machine (SVM), dan Random Forest untuk Prediksi Ketidakhadiran di Tempat Kerja," *J. Inform. Univ. Pamulang*, vol. 5, no. 4, p. 578, Dec. 2021, doi: 10.32493/informatika.v5i4.7575.
- [7] S. Zidi, T. Moulahi, and B. Alaya, "Fault Detection in Wireless Sensor Networks Through SVM Classifier," *IEEE Sens. J.*, vol. 18, no. 1, pp. 340–347, Jan. 2018, doi: 10.1109/JSEN.2017.2771226.
- [8] "Detection of Boiler Tube Leakage Fault in a Thermal Power Plant Using K-means Algorithm based on Auto-Associative Neural Network," p. 5, 2019.
- [9] F. B. Ismail, D. Singh, N. Maisurah, and A. B. B. Musa, "Early tube leak detection system for steam boiler at KEV power plant," *MATEC Web Conf.*, vol. 74, p. 00006, 2016, doi: 10.1051/matecconf/20167400006.





- [10] M. Sohaib and J.-M. Kim, “Data Driven Leakage Detection and Classification of a Boiler Tube,” *Appl. Sci.*, vol. 9, no. 12, p. 2450, Jun. 2019, doi: 10.3390/app9122450.
- [11] S. R. Pane, J. Haryadi, F. Suhartono, and E. Sutisna, “Pusat Listrik Tenaga Uap (PLTU) Batubara 3 X 315 Mw PT. PLN (Persero) Unit Pembangkitan Jawa Bali Sektor Pengendalian Pembangkitan Lontar,” *Asos Prof Elektr-Mek Indones*, 2013.
- [12] D. Satrio, N. N. A. I. Trisnayanthi, and J. Pratilastiarso, “Analysis of the Effects of Fuel Type Selection on the Performance and Fuel Consumption of a Steam Power Plant,” *Int. J. Adv. Sci. Eng. Inf. Technol.*, vol. 11, no. 5, p. 2046, Oct. 2021, doi: 10.18517/ijaseit.11.5.14224.
- [13] S. Teir, “Modern Boiler Types and Applications,” p. 17.
- [14] P. B. Bara, “UPAYA PENGELOLAAN LINGKUNGAN,” p. 144.
- [15] Ika Yuliyani, Maridjo, Muhammad Abdul M, “Analisis sistem ruang bakar boiler jenis fluidized bed combustion untuk PLTU kapasitas 8 MW,” *J. Tek. Energi*, vol. 9, no. 1, pp. 1–8, Nov. 2019, doi: 10.35313/energi.v9i1.1638.
- [16] W. P. Adamczyk, G. Węcel, M. Klajny, P. Kozłub, A. Klimanek, and R. A. Bialecki, “Modeling of particle transport and combustion phenomena in a large-scale circulating fluidized bed boiler using a hybrid Euler–Lagrange approach,” *Particuology*, vol. 16, pp. 29–40, Oct. 2014, doi: 10.1016/j.partic.2013.10.007.
- [17] M. H. Bordbar and T. Hyppänen, “The correlation based zonal method and its application to the back pass channel of oxy/air-fired CFB boiler,” *Appl. Therm. Eng.*, vol. 78, pp. 351–363, Mar. 2015, doi: 10.1016/j.applthermaleng.2014.12.046.
- [18] S. Palaniswamy, M. Rajavel, A. L. Vinodhan, B. R. Kumar, A. Lawrence, and A. K. Bakthavatsalam, “Influence of Sorbent Characteristics on Fouling and Deposition in Circulating Fluid Bed Boilers Firing High Sulfur Indian Lignite,” *J. Combust.*, vol. 2013, pp. 1–12, 2013, doi: 10.1155/2013/438384.
- [19] J. Su *et al.*, “Design and Operation of CFB Boilers with Low Bed Inventory,” in *Proceedings of the 20th International Conference on Fluidized*



Bed Combustion, G. Yue, H. Zhang, C. Zhao, and Z. Luo, Eds. Berlin, Heidelberg: Springer Berlin Heidelberg, 2009, pp. 212–218. doi: 10.1007/978-3-642-02682-9_28.

- [20] A. Malik, A. Meroufel, and S. Al-Fozan, “Boiler Tubes Failures: A Compendium of Case Studies,” *J. Fail. Anal. Prev.*, vol. 15, no. 2, pp. 246–250, Apr. 2015, doi: 10.1007/s11668-015-9923-x.
- [21] Viswanathan, *Damage Mechanism and Life Assessment of High-Temperature Components*. ASM International, 1989.
- [22] “Long Term Overheating (Creep),” *Structural Integrity Materials Services*. <https://si-materialslab.com/product/long-term-overheating-creep/> (accessed Nov. 16, 2022).
- [23] “Hands-On Machine Learning with Scikit-Learn, Keras, and TensorFlow, 2nd Edition [Book].” <https://www.oreilly.com/library/view/hands-on-machine-learning/9781492032632/> (accessed Nov. 01, 2021).
- [24] A. Ahmad Hania, “Mengenal Artificial Intelligence, Machine Learning, Neural Network, dan Deep Learning,” *J. Teknol. Indones.*, Jun. 2017.
- [25] D. Cielen, *Introducing Data Science*. New York: Manning Shelter Island, 2016.
- [26] N. Guenther and M. Schonlau, “Support Vector Machines,” *Support Vector Mach.*, p. 21.
- [27] L. B. Jack and A. K. Nandi, “FAULT DETECTION USING SUPPORT VECTOR MACHINES AND ARTIFICIAL NEURAL NETWORKS, AUGMENTED BY GENETIC ALGORITHMS,” *Mech. Syst. Signal Process.*, vol. 16, no. 2–3, pp. 373–390, Mar. 2002, doi: 10.1006/mssp.2001.1454.
- [28] J. Cardoso-Fernandes, A. C. Teodoro, A. Lima, and E. Roda-Robles, “Semi-Automatization of Support Vector Machines to Map Lithium (Li) Bearing Pegmatites,” *Remote Sens.*, vol. 12, no. 14, p. 2319, Jul. 2020, doi: 10.3390/rs12142319.
- [29] B. Santosa, *Data Mining Teknik Pemanfaatan Data untuk Keperluan Bisnis*. Yogyakarta: Garah Ilmu, 2007.





- [30] J. Yuan, C. Wang, and Z. Zhou, “Study on refined control and prediction model of district heating station based on support vector machine,” *Energy*, vol. 189, p. 116193, Dec. 2019, doi: 10.1016/j.energy.2019.116193.
- [31] Ananda, Rusydi, and M. Fadhl, *Statistika Pendidikan: Teori dan Praktik Dalam Pendidikan*. Medan: CV. Widya Puspita, 2018.
- [32] A. Sergio, M. A. Zen, R. K. Wahyuni, and D. A. Nohe, “HUBUNGAN JUMLAH PENDUDUK MISKIN DENGAN BERAT BADAN LAHIR RENDAH DI KALIMANTAN TIMUR MENGGUNAKAN KORELASI PEARSON DAN SPEARMAN,” p. 12, 2022.
- [33] D. Sarkar, R. Bali, and T. Sharma, *Practical Machine Learning with Python*. Berkeley, CA: Apress, 2018. doi: 10.1007/978-1-4842-3207-1.
- [34] “Welcome to TSFEL documentation! — TSFEL 0.1.4 documentation.” <https://tsfel.readthedocs.io/en/latest/> (accessed Sep. 25, 2022).
- [35] S. A., “Practical Machine Learning for Data Analysis Using Python,” in *Practical Machine Learning for Data Analysis Using Python*, London: Elsevier, 2020, p. iii. doi: 10.1016/B978-0-12-821379-7.00008-4.

