

DAFTAR PUSTAKA

- [1] Y. J. F. d. H. Y. L. X. Li, "The Impact of Meteorological Factors on," *OP Conf. Series: Earth and Environmental Science*, 2017.
- [2] "United States Environmental Protection Agency," 01 08 2022. [Online]. Available: <https://www.epa.gov/climate-indicators/greenhouse-gases>. [Accessed 23 10 2022].
- [3] F. O. C. J. a. R. J. S. Abernethy, "Methane removal and the proportional reduction in surface temperature and ozone," *The royal society publishing*, 2021.
- [4] S. H. N. K. S. Afif Budiyono, "Analisis variasi diurnal ozon dan precursornya pada musim kemarau dan musim hujan di Bandung," *Jurnal Sains Dirgantara*, vol. 7, no. 1, 2009.
- [5] A. Suwardana, "Analisis Distribusi Vertikal Konsentrasi PM2.5 dan CO2 secara diurnal dan Musiman berbasis IoT di Wilayah Bandung Raya," Bandung, 2022.
- [6] I. C. Inggris Wahyu Kinanti, "Optimasi Sistem Peramalan Konsentrasi Polutan Cekungan Udara Bandung Raya dengan Metode ANN," *Jurnal Dinda*, p. 8, 2021.
- [7] PERATURAN PEMERINTAH REPUBLIK INDONESIA NOMOR 22 TAHUN 2021 TENTANG PENYELANGGARAAN PERLINDUNGAN DAN PENGELOLAAN LINGKUNGAN HIDUP, 2021.
- [8] IQAir, "IQair," IQAir AG, [Online]. Available: <https://www.iqair.com/id/indonesia/west-java/bandung>. [Accessed 23 October 2022].
- [9] A. I. a. D. A. T. SUMARYATI, "Kondisi Gradien Temperatur terhadap Proses Pengenceran Smog Fotokimia di Cekungan Bandung," Bandung, 2020.
- [10] A. B. a. T. J. V. Fitriani, "ESTIMASI KETINGGIAN PLANETARY BOUNDARY LAYER INDONESIA MENGGUNAKAN DATA ECMWF REANALYSIS ERA-INTERM," 2016. [Online]. Available: <http://apps.ecmwf.int..> [Accessed 24 10 2022].
- [11] Y. S. S. Djohan, "VALIDASI DATA KUALITAS UDARA BERBASIS METODE FAULT DETECTION PADA PENGUKURAN JANGKA PANJANG," Bandung, 2020.
- [12] "Sustainable Development Goals," [Online]. Available: <https://www.sdg2030indonesia.org/#modalIconDefinition>.
- [13] "World Meteorological Organization," 2022. [Online]. Available: https://public.wmo.int/en/resources/united_in_science. [Accessed 27 10 2022].
- [14] A. Knox, G. J. Evans, C. J. Lee and J. R. Brook, "Air Pollution Monitoring and Sustainability," in *Air Pollution Sources, Statistics and Health Effects*, New York, Springer, 2020, p. 394.
- [15] US GAO, "Air pollution: Opportunities to better sustain and modernize the national air quality monitoring system," GAO-21-38, Washington D.C, 2020.
- [16] O. A. Popoola, D. R. Peters, L. R. Jones and N. A. Martin, "Evaluating uncertainty in sensor networks for urban air pollution insights," *Atmospheric Measurement Techniques*, 2022.
- [17] "The Evolution of RPA," lectroNeek, [Online]. Available: <https://electroneek.com/rpa/history-of-rpa/>. [Accessed 2022].
- [18] "SIAPARTNER," [Online]. Available: <https://www.sia-partners.com/en/news-and-publications/from-our-experts/iot-and-rpa-connecting-physical-world-digital-world>. [Accessed 2022].
- [19] "aws.amazon," [Online]. Available: <https://aws.amazon.com/id/machine-learning/what-is-ai/>. [Accessed 23 12 2022].
- [20] G. S. Fanourgakis, K. Gkagkas, E. Tylianakis and G. Froudakis, "A Generic Machine Learning Algorithm for the Prediction of Gas Adsorption in Nanoporous Materials," *Journal of Physical Chemistry*, vol. 124, no. 13, p. 7117–7126, 2020.
- [21] Aditya Yanuar, "Pengenalan Deep Learning," Fakultas MIPA Universitas Gadjah Mada, 10 Juni

2018. [Online]. Available: <https://machinelearning.mipa.ugm.ac.id/2018/06/10/pengenalan-deep-learning/>. [Accessed 3 November 2022].
- [22] Nur Anisa, "Mengenal 3 Jenis Neural Network Pada Deep Learning," SCHOOL OF INFORMATION SYSTEMS BINUS University, 21 April 2022. [Online]. Available: <https://sis.binus.ac.id/2022/04/21/mengenal-3-jenis-neural-network-pada-deep-learning/>. [Accessed 3 November 2022].
- [23] I. C. Education, IBM, 15 2020. [Online]. Available: <https://www.ibm.com/cloud/learn/deep-learning>. [Accessed 24 10 2022].
- [24] J. X. Song, "Time-series well performance prediction based on Long Short-Term Memory (LSTM) neural network model," vol. 186, 2020.
- [25] S. S. S. L. L. M. S. P. a. L. H. Tianjun Xhang, "Research on Gas Concentration Prediction Models Based on LSTM Multidimensional Time Series," vol. 12, 2019.
- [26] X. Meng, H. Chang and X. Wang, "Methane Concentration Prediction Method Based on Deep Learning and Classical Time Series Analysis," *Energies* 2022, no. 6, p. 15, 2022.
- [27] A. H. Auchincloss, A. V. Roux, J. T. Dvonch, P. L. Brown, R. G. Barr, M. L. Davigluss and M. S. Neill, "Associations between Recent Exposure to Ambient Fine Particulate Matter and Blood Pressure in the Multi-Ethnic Study of Atherosclerosis (MESA)," *Environmental Health Perspectives*, vol. 486, no. 4, p. 486–491, 2008.
- [28] A. Gupta, "Effect of Air Pollutants on Plant Gaseous Exchange Process: Effect on Stomata and Respiration," *Air Pollution*, vol. 5, no. 4, pp. 85-92, 2016.
- [29] Y. Shang and Q. Sun, "Particulate air pollution: major research methods and applications in animal models," *Environmental Disease*, vol. 3, no. 3, pp. 57-62, 2018.
- [30] I. Manisalidis, E. Stavropoulou, A. Stavropoulos and E. Bezirtzoglou, "Environmental and Health Impacts of Air Pollution: A Review," *Air Pollution Environment and Health*, vol. 8, no. 14, pp. 1-13, 2020.
- [31] "Kualitas udara di Indonesia," IQAir, 29 Oktober 2022. [Online]. Available: <https://www.iqair.com/id/indonesia>. [Accessed 29 Oktober 2022].
- [32] L. Liu, J. Fang, M. Li, M. A. Hossin and Y. Shao, "The effect of air pollution on consumer decision making: A review," *Cleaner Engineering and Technology*, vol. 9, pp. 1-13, 2022.
- [33] "Gartner Peer Insights," [Online]. Available: <https://www.gartner.com/reviews/market/robotic-process-automation-software>.
- [34] S. Few, *Information Dashboard Design: The Effective Visual Communication of Data*, O'Reilly Media, 2006.
- [35] U. S. E. P. AGENCY, "Guidance for Preparing Standard Operating Procedures (SOPs)," 2007. [Online]. Available: <https://www.epa.gov/sites/default/files/2015-06/documents/g6-final.pdf>. [Accessed 7 December 2022].
- [36] S. T. Cemerlang, "sterling team," WordPress, [Online]. Available: <https://www.sterling-team.com/news/apa-itu-rpa-robotic-process-automation/>. [Accessed 06 12 2022].
- [37] Y. M. S, "Pengenalan Deep Learning," Machine Learning – FMIPA – Universitas Gadjah Mada, 10 Juni 2018. [Online]. Available: <https://machinelearning.mipa.ugm.ac.id/2018/06/10/pengenalan-deep-learning/>. [Accessed 20 November 2022].
- [38] N. Suhermi, S. Suhartono, D. D. Prastyo and I. G. Dana, "Pemilihan Arsitektur Terbaik pada Model Deep Learning Melalui Pendekatan Desain Eksperimen untuk Peramalan Deret Waktu Nonlinier," *Journal of Theoretical Statistics and Its Applications*, vol. 18, no. 2, pp. 153-159, 2018.
- [39] Rankdeck, "Comparison of Sigmoid, Tanh and ReLU Activation Functions," AITUDE, 19 Agustus 2020. [Online]. Available: <https://www.aitude.com/comparison-of-sigmoid-tanh-and-relu-activation-functions/>. [Accessed 20 Desember 2022].
- [40] A. Shrestha and A. Mahmood, "Review of Deep Learning Algorithms and Architecture," *Review*

of *DL Algorithms and Architectures*, vol. 7, p. 1, 2019.

- [41] S. Zhao, Y. Guo, Q. Sheng and Y. Shyr, "Advanced Heat Map and Clustering Analysis Using Heatmap3," *BioMed Research International*, pp. 1-6, 2016.
- [42] K. V. Lombeck, "Our love-hate relationship with heatmaps and how we use kriging to make them," rock.estate, 26 March 2019. [Online]. Available: <https://www.rock.estate/blog/our-love-hate-relationship-with-heatmaps-and-how-we-use-kriging-to-make-them>. [Accessed November 2022].
- [43] <https://datavizcatalogue.com/>, "Choropleth Map," 2019. [Online]. Available: <https://datavizcatalogue.com/methods/choropleth.html>. [Accessed 2022].
- [44] J. Stewart and P. J. Kennelly, "Illuminated Choropleth Maps," *Annals of the Association of American Geographers*, pp. 1-24, 2010.
- [45] A. Shaff, "Mengenai GeoJSON," GeoPrau, 02 February 2020. [Online]. Available: <https://goprau.com/index.php/artikel/5?judul=Mengenai+GeoJSON>. [Accessed 01 December 2022].
- [46] GeoJSON, "GeoJSON," 2008. [Online]. Available: <https://geojson.org/>. [Accessed 01 Desember 2022].
- [47] ArcGIS, "GeoJSON," Esri. [Online]. [Accessed 2022].
- [48] T. F. Rachman, "GeoJSON Bandung," 12 November 2019. [Online]. Available: <https://github.com/tryfatur/geojson-bandung>. [Accessed 02 Desember 2022].
- [49] F. Vaicdan, "PENGAMATAN KONSENTRASI MASSA PM2.5 DI CEKUNGAN UDARA," Tidak diterbitkan, Bandung, 2019.
- [50] P. B. A. D.-O. a. P. M. Marek Badura, "Evaluation of Low Cost Sensor for Ambient PM2.5 Monitoring," *Journal of Sensors*, vol. 2018, p. 16, 2018.