

DAFTAR PUSTAKA

- Amani, M., Ghorbanian, A., Ahmadi, S. A., Kakooei, M., Moghimi, A., Mirmazloumi, S. M., ... & Brisco, B. (2020). Google earth engine platform for remote sensing big data applications: A comprehensive review. *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing*, 13, 5326-5350.
- Amalia, S., & Wahyuni, I. R. (2022). Analisis Sulfur Dioksida (SO₂) Udara Ambient Menggunakan Metode Pararosanilin dengan Spektrofotometer UV-Visible Kabupaten Bandung, Jawa Barat. In *Gunung Djati Conference Series* (Vol. 15, pp. 11-15).
- American Lung Association. (2020). *Nitrogen Dioxide*. <https://www.lung.org/clean-air/outdoors/what-makes-air-unhealthy/nitrogen-dioxide>. Diakses pada 15 Desember 2023.
- Armbrust, M., Fox, A., Griffith, R., Joseph, A. D., Katz, R. H., Konwinski, A., ... & Zaharia, M. (2009). *Above the clouds: A berkeley view of cloud computing* (Vol. 17). Technical Report UCB/EECS-2009-28, EECS Department, University of California, Berkeley.
- Arty, I. S. (2005). Pendidikan lingkungan hidup tentang bahaya polutan udara. *Jurnal Cakrawala Pendidikan*, (3).
- Badan POM. (2005). *Keracunan yang Disebabkan Gas Karbon Monoksida*. <https://www.pom.go.id/new/view/more/berita/76/Keracunan-yang-Disebabkan-Gas-Karbon-Monoksida.html>. Diakses pada 15 Desember 2023.
- Badan Standarisasi Nasional. (2004). SNI 03-1733-2004 tentang Tata Cara Perencanaan Lingkungan Perumahan di Perkotaan. Jakarta: BSN.
- BPS. (2022). *Provinsi DKI Jakarta dalam Angka Tahun 2022*. Badan Pusat Statistik DKI Jakarta: Jakarta.
- BPS. (2022). *Jumlah Kendaraan Bermotor Menurut Provinsi dan Jenis Kendaraan (unit), 2022*. <https://www.bps.go.id/id/statistics-table/3/VjJ3NGRGa3dkRk5MTIU1bVNFOTVVbmQyVURSTVVFUMDkjMw==/jumlah-kendaraan-bermotor-menurut-provinsi-dan-jenis-kendaraan--unit---2022.html?year=2022>. Diakses pada 1 Juni 2024.
- Brown, T. P., Rushton, L., Mugglestone, M. A., & Meehan, D. F. (2003). Health effects of a sulphur dioxide air pollution episode. *Journal of Public Health*, 25(4), 369-371.
- Cahyono, W. E. (2011). Kajian tingkat pencemaran sulfur dioksida dari industri di beberapa daerah di Indonesia. *Berita Dirgantara*, 12(4).

- CDC. (2024). *Carbon Monoxide Poisoning*. https://www.cdc.gov/carbon-monoxide/about/?CDC_AAref_Val=https://www.cdc.gov/co/default.htm. Diakses pada 25 Mei 2024.
- Correaa, M., Duquec, M., Mezad, M., & Salazar, R. (2022). NO2 Correlation Using Sentinel-5P Images and on-site Measurements during the Evolution of COVID-19 and its Influence in the Metropolitan District of Quito, Ecuador. *International Journal on Advanced Science, Engineering and Information Technology*.
- Cui, R., Tumiwa, F., Zhao, A., Arinaldo, D., Wiranegara, R., Cui, D., ... & Hultman, N. (2022). Financing Indonesia's coal phase-out: A just and accelerated retirement pathway to net-zero. *Center for Global Sustainability at the University of Maryland*. Available from: <https://iesr.or.id/wp-content/uploads/2022/06/UMD-IESR-IndonesiaCoalPhaseout-3August2022-1.pdf>.
- Detik Health. (2022). *DKI Ranking 1 Kualitas Udara Terburuk Dunia, Ini Wilayah Paling Berpolusi*. <https://health.detik.com/berita-detikhealth/d-6129360/dki-ranking-1-kualitas-udara-terburuk-dunia-ini-wilayah-paling-berpolusi>. Diakses pada 1 Desember 2023.
- de Souza, A., Jan, B., Nawaz, F., Ayub Khan Yousuf Zai, M., Santos de Oliveira, S., Pavao, H. G., ... & Amaury de Souza, C. (2019). Temporal variations of SO2 in an urban environment. *License This work is licensed under a Creative Commons Attribution 4.0 International License.*, 55(283), 328-339.
- DLH DKI Jakarta. (2022). *LAPORAN KUALITAS UDARA JAKARTA*. https://lingkunganhidup.jakarta.go.id/files/laporan2021/2021_DATA_KONSENTRASI_KUALITAS_UDARA_JAKARTA.pdf. Diakses pada 1 Desember 2023.
- DLH DKI Jakarta. (2023). *LAPORAN AKHIR KEGIATAN PEMANTAUAN KUALITAS UDARA PROVINSI DKI JAKARTA TAHUN 2022*. https://lingkunganhidup.jakarta.go.id/files/laporan/LAPORAN_AKHIR_UDARA_2022FINAL.pdf. Diakses pada 1 Desember 2023.
- Egger, Anne E. (2024). *Earth's Atmosphere: Composition, temperature, and pressure*. <https://www.visionlearning.com/en/library/Earth-Science/6/Composition-of-Earths-Atmosphere/107>. Diakses pada 5 Januari 2024.
- EPA. (2024). *Carbon Monoxide (CO) Pollution in Outdoor Air*. <https://www.epa.gov/co-pollution>. Diakses pada 25 Mei 2024.
- EPA. (2024). *Ground-level Ozone Pollution*. <https://www.epa.gov/ground-level-ozone-pollution>. Diakses pada 25 Mei 2024.
- ESA. (2022). *S5P Mission Performance Centre Sulphur Dioxide [L2_SO2_] Readme*. <https://sentinel.esa.int/documents/247904/0/Sentinel-5P-Sulphur-Dioxide-Readme.pdf/5cf0dcc7-d894-4169-a0ae-a347ad99b17d>. Diakses 31 Mei 2024.

- ESA. (2024). *Sentinel-5P*.
<https://sentinels.copernicus.eu/web/sentinel/missions/sentinel-5p>. Diakses pada 15 Desember 2023.
- Febrianti, A. M. (2010). *Evaluasi Fungsi Fisik dan Toleransi Pohon Tepi Jalan Terhadap Polusi Udara di Lingkar Luar Kebun Raya Bogor*. Skripsi. Bogor: Institut Pertanian Bogor.
- Fedora, S., & Ariaaji, P. E. (2022). Analisis Kebutuhan Penyaringan Udara Untuk Mengatasi Polusi Udara Sebagai Strategi Akupunktur Kota Di Kawasan Industri Pulogadung. *Jurnal Sains, Teknologi, Urban, Perancangan, Arsitektur (Stupa)*, 4(2), 2717-2728.
- Fitzky, A. C., Sandén, H., Karl, T., Fares, S., Calfapietra, C., Grote, R., ... & Rewald, B. (2019). The interplay between ozone and urban vegetation—BVOC emissions, ozone deposition, and tree ecophysiology. *Frontiers in Forests and Global Change*, 2, 50.
- Flournoy, B. (2019). *How Do Humans Use Air?*. <https://sciencing.com/do-humans-use-air-7485809.html>. Diakses pada 1 Desember 2023.
- GEE. (2024). *Sentinel-5P*. <https://developers.google.com/earth-engine/datasets/catalog/sentinel-5p/>. Diakses pada 15 Desember 2023.
- Gilliam, F. S., & Turrill, N. L. (1995). Temporal patterns of ozone pollution in West Virginia: implications for high-elevation hardwood forests. *Journal of the Air & Waste Management Association*, 45(8), 621-626.
- Gong, C., Liu, J., Zhang, Q., Chen, H., & Gong, Z. (2010, September). The characteristics of cloud computing. In *2010 39th International Conference on Parallel Processing Workshops* (pp. 275-279). IEEE.
- Google Cloud. (2024). *What is Cloud Computing?*. <https://cloud.google.com/learn/what-is-cloud-computing>. Diakses pada 29 Juni 2024.
- Gorelick, N., Hancher, M., Dixon, M., Ilyushchenko, S., Thau, D., & Moore, R. (2017). Google Earth Engine: Planetary-scale geospatial analysis for everyone. *Remote sensing of Environment*, 202, 18-27.
- Gusnita, D. (2014). Pencemaran *Smog* (Asap Kabut) Sebagai Dampak Aktivitas Antropogenik. *Berita Dirgantara*, 15(2).
- Hakim, L., Putra, P. T., & Zahratu, A. L. (2017). Efektifitas Jalur Hijau dalam Mengurangi Polusi Udara oleh Kendaraan Bermotor. *NALARs*, 16(1), 91-100.
- Herndon, K. E., Griffin, R., Schroder, W., Murtha, T., Golden, C., Contreras, D. A., ... & Firpi, O. A. (2023). Google Earth Engine for archaeologists: An updated look at the progress and promise of remotely sensed big data. *Journal of Archaeological Science: Reports*, 50, 104094.

- Herdiansyah. (2024). *Pemanfaatan Google Earth Engine dalam Perancangan WebGIS berbasis Komputasi Awan untuk Pemantauan Kualitas Udara (Studi Kasus: Kawasan Aglomerasi Jakarta Tahun 2023)*. Proyek Akhir. Yogyakarta: Universitas Gadjah Mada.
- Hidayanti, A. A., Prathama, B. D., & Wardah, S. (2021). Analisis Korelasi Pearson Dalam Menentukan Hubungan Kualitas Produk, Pelayanan, Lokasi Dan Kepuasan Terhadap Loyalitas Pada Pelanggan Rumah Nutrisi Herbalife Mataram. *Journal of Innovation Research and Knowledge*, 1(2), 185-198.
- Huth, A., & Cebula, J. (2011). The basics of cloud computing. *United States Computer*, 1-4.
- Ismiyati, I., Marlita, D., & Saidah, D. (2014). Pencemaran udara akibat emisi gas buang kendaraan bermotor. *Jurnal Manajemen Transportasi & Logistik (JMTransLog)*, 1(3), 241-248.
- Jacobson, M. Z. (2012). *Air pollution and global warming: history, science, and solutions*. Cambridge University Press.
- Kaplan, G., & Avdan, Z. Y. (2020). Space-borne air pollution observation from sentinel-5p tropomi: Relationship between pollutants, geographical and demographic data. *International Journal of Engineering and Geosciences*, 5(3), 130-137.
- Kazemi Garajeh, M., Laneve, G., Rezaei, H., Sadeghnejad, M., Mohamadzadeh, N., & Salmani, B. (2023). Monitoring trends of CO, NO₂, SO₂, and O₃ pollutants using time-series sentinel-5 images based on google earth engine. *Pollutants*, 3(2), 255-279.
- Kemenperin. (2024). *Daftar Kawasan Industri*. <https://kemenperin.go.id/kawasan>. Diakses pada 1 Juni 2024.
- Kepmendagri. (2022). Keputusan Menteri Dalam Negeri Nomor 050-145 Tahun 2022 tentang Pemberian dan Pemutakhiran Kode, Data Wilayah Administrasi Daerah, dan Pulau Tahun 2021.
- Khan, R. R., & Siddiqui, M. J. (2014). Review on effects of particulates: sulfur dioxide and nitrogen dioxide on human health. *Int Res J Environl Sci*, 3(4), 70-3.
- KLHK. (2020). Peraturan Menteri Lingkungan Hidup dan Kehutanan Republik Indonesia Nomor P.14/MENLHK/SETJEN/KUM.1/7/2020 Tentang Indeks Standar Pencemar Udara.
- KLHK. (2024). *AQMS*. <https://ispu.menlhk.go.id/internal/web/site/>. Diakses pada 21 Maret 2024.
- KLHK. (2024). *Peta Sebaran Lokasi AQMS*. <https://ispu.menlhk.go.id/webv4/#/peta>. Diakses pada 27 Mei 2024.

- Koas, KAAAA. (2010). *GIS-based mapping and statistical analysis of air pollution and mortality in Brisbane, Australia*. Tesis S2, Faculty of Built Environment and Engineering Queensland University of Technology, Australia.
- Lee., K. (2018). *The Importance of Air*. <https://sciencing.com/do-humans-use-air-7485809.html>. Diakses pada 1 Desember 2023.
- Lillesand T.M., R. W. Kiefer and J. W. Chipman. 2004. *Remote Sensing and Image Interpretation*. Fifth Edition. John Wiley and Sons. New York
- Maharani, I. F., Satyahadewi, N., & Kusnandar, D. (2014). Metode Ordinary Least Squares Dan Least Trimmed Squares Dalam Mengestimasi Parameter Regresi Ketika Terdapat Outlier. *Bimaster: Buletin Ilmiah Matematika, Statistika dan Terapannya*, 3(03).
- Miller, S. M., Matross, D. M., Andrews, A. E., Millet, D. B., Longo, M., Gottlieb, E. W., ... & Wofsy, S. C. (2008). Sources of carbon monoxide and formaldehyde in North America determined from high-resolution atmospheric data. *Atmospheric Chemistry and Physics*, 8(24), 7673-7696.
- Mell, P. and T. Grance. (2011). "The NIST Definition of Cloud Computing," in Recommendations of the National Institute of Standards and Technology, Gaithersburg: NIST Special Publication 800-145 U.S. Department of Commerce, 2011, pp. 269–274.
- MfE. (2018). *Nitrogen Dioxide*. <https://environment.govt.nz/facts-and-science/air/air-pollutants/nitrogen-dioxide-effects-health/>. Diakses pada 15 Desember 2023.
- Mirashe, S. P., & Kalyankar, N. V. (2010). Cloud computing. *arXiv preprint arXiv:1003.4074*.
- Pérez-Cutillas, P., Pérez-Navarro, A., Conesa-García, C., Zema, D. A., & Amado-Álvarez, J. P. (2023). What is going on within google earth engine? A systematic review and meta-analysis. *Remote Sensing Applications: Society and Environment*, 29, 100907.
- Pranatawijaya, Viktor H., Widiatry Ressa Priskila, Putu Bagus. "Pengembangan Aplikasi Kuesioner Survey Berbasis Web Menggunakan Skala Likert dan Guttman." *Jurnal Sains dan Informatika*, vol. 5, no. 2, 2019, pp. 128-137
- Ramadhan. (2023). *Simulasi Risiko Banjir Multi Temporal menggunakan Pemodelan Spasial, Pembelajaran Mesin, dan Komputasi Awan di Pulau Jawa*. Skripsi, Sarjana Kartografi dan Penginderaan Jauh Departemen Sains, Fakultas Geografi, Universitas Gadjah Mada.
- Raub, J. A., & Benignus, V. A. (2002). Carbon monoxide and the nervous system. *Neuroscience & Biobehavioral Reviews*, 26(8), 925-940.

- Sadiq, M., Tai, A. P., Lombardozzi, D., & Val Martin, M. (2017). Effects of ozone–vegetation coupling on surface ozone air quality via biogeochemical and meteorological feedbacks. *Atmospheric Chemistry and Physics*, 17(4), 3055-3066.
- Salsabila. (2022). *Analisis Persebaran Gas Polutan menggunakan Citra Sentinel 5p Dan Pengaruhnya terhadap Penyakit Infeksi Saluran Pernapasan Akut (ISPA) di Pulau Jawa*. Skripsi. Yogyakarta: Universitas Gadjah Mada.
- Sarwono, J. (2006). *Metode Penelitian Kuantitatif & Kualitatif*. Graha Ilmu, Yogyakarta.
- Savenets, M. (2021). Air pollution in Ukraine: a view from the Sentinel-5P satellite. *Idojaras*, 125 (2).
- Sharkey, T. D., & Monson, R. K. (2017). Isoprene research–60 years later, the biology is still enigmatic. *Plant, cell & environment*, 40(9), 1671-1678.
- Sihotang, E., Artaningh, F., Anggraini, T. S., & Sakti, A. D. (2020). Pemantauan Konsentrasi Gas SO₂ di Sekitar Gunung Sinabung Menggunakan Citra Satelit Sentinel-5 Precursor. *Jurnal Penginderaan Jauh Indonesia*, 2(2), 32-39.
- USEPA. 2016. *Nitrogen Dioxide (NO₂) Pollution*. <https://www.epa.gov/no2-pollution>. Diakses pada 15 Desember 2023.
- Vienneau, D., De Hoogh, K., Bechle, M. J., Beelen, R., Van Donkelaar, A., Martin, R. V., ... & Marshall, J. D. (2013). Western European land use regression incorporating satellite-and ground-based measurements of NO₂ and PM₁₀. *Environmental science & technology*, 47(23), 13555-13564.
- Virghileanu, M., Săvulescu, I., Mihai, B. A., Nistor, C., & Dobre, R. (2020). Nitrogen Dioxide (NO₂) Pollution monitoring with Sentinel-5P satellite imagery over Europe during the coronavirus pandemic outbreak. *Remote Sensing*, 12(21), 3575.
- Veefkind, J. P., Aben, I., McMullan, K., Förster, H., De Vries, J., Otter, G., ... & Levelt, P. F. (2012). TROPOMI on the ESA Sentinel-5 Precursor: A GMES mission for global observations of the atmospheric composition for climate, air quality and ozone layer applications. *Remote sensing of environment*, 120, 70-83.
- Vreman, H. J., Wong, R. J., & Stevenson, D. K. (2000). Carbon monoxide in breath, blood, and other tissues. *Carbon monoxide toxicity*, 1, 19-60.
- WHO. (2023). *Air Pollution*. https://www.who.int/health-topics/air-pollution#tab=tab_2. Diakses pada 1 Desember 2023.
- WHO. (2023). *Mortality rate attributed to household and ambient air pollution*. https://www.who.int/data/gho/data/themes/topics/sdg-target-3_9-mortality-from-environmental-pollution. Diakses 1 Desember 2023.

- WHO. (2021). *WHO global air quality guidelines: particulate matter (PM_{2.5} and PM₁₀), ozone, nitrogen dioxide, sulfur dioxide and carbon monoxide*. <https://www.who.int/publications/i/item/9789240034228>. Diakses pada 1 Desember 2023.
- WHO. (2000). *Air Quality Guidelines for Europe*. Ed 2. Copenhagen (DK): WHO Pr.
- WHO. (2006a). *WHO Air Quality Guidelines for Particulate Matter, Ozone, Nitrogen Dioxide and Sulfur Dioxide*. Global Updates 2005 Summary of Risk Assessment. Geneva: WHO Pr.
- Yunita, R. D., & Kiswandono, A. A. (2017). Kajian indeks standar pencemar udara (ISPU) sulfur dioksida (SO₂) sebagai polutan udara pada tiga lokasi di kota Bandar Lampung. *Analit: Analytical and Environmental Chemistry*, 2(1).
- Zetra. 2016. *Pengembangan Aplikasi "SIGAP" Sebuah Aplikasi Realtime Berbasis Android untuk Keadaan Darurat*. Tugas Akhir. Yogyakarta: Universitas Gadjah Mada.
- Zheng, Z., Yang, Z., Wu, Z., & Marinello, F. (2019). Spatial variation of NO₂ and its impact factors in China: An application of sentinel-5P products. *Remote Sensing*, 11(16), 1939.
- Zumroh, Umi Munawwirotuz. 2022. *Pembuatan Aplikasi Mobile Gis "e-Lapor Bencana Alam" Dengan Implementasi Location Based Service Pada 78 Sistem Operasi Android Di Kabupaten Nganjuk*. Proyek Akhir. Yogyakarta: Universitas Gadjah Mada.