

DAFTAR PUSTAKA

- Aditya, T. (2014). Kartografi 2.0: Road Map Pengembangan Kartografi Interaktif di Indonesia. *Konggres Asosiasi Kartografi Indonesia*, 23 April 2014. Daerah Istimewa Yogyakarta, Indonesia.
- Anggraini, T. S., Artaningh, F., Sihotang, E., Sakti, A. D., & Agustan. (2020). Variasi Emisi Gas Nitrogen Dioksida saat Pembatasan Sosial Berskala Besar di Provinsi Jawa Barat dari Pengolahan Data Satelit Sentinel-5P. *Penginderaan Jauh Indonesia*, 02(August), 19–24.
- Becchetti, L., Conzo, G., Conzo, P., & Salustri, F. (2020). Understanding the Heterogeneity of Adverse COVID-19 Outcomes: The Role of Poor Quality of Air and Lockdown Decisions. *SSRN Electronic Journal*, April. <https://doi.org/10.2139/ssrn.3572548>
- Badan Informasi Geospasial. (2017). Shape File Kecamatan di Indonesia. Jakarta
- Badan Pusat Statistik Jawa Timur. (2020). Hasil Sensus Penduduk Jawa Timur 2020. Jawa Timur
- Blair A & Zender M (2008). User Interface Design Principles for Interaction Design. *Design issues*, Volume 24 Number 3, page 85.
- Bramasta, D. B. (2020, Mei 20). Update Virus Corona di Dunia 20 Mei: 4,9 Juta Orang Terinfeksi | Ancaman AS ke WHO. Kompas.com. <https://www.kompas.com/tren/read/2020/05/20/074000665/update-virus-corona-di-dunia-20-mei-49-juta-orang-terinfeksi-ancaman-as-ke?page=all>. Diakses tanggal 12 Agustus 2020
- Chang, Raymond. (2006). Kimia Dasar Edisi ketiga Jilid 1, Penerbit Erlangga, Jakarta
- Charles E. Zimmer A.M. & Ralph I. Larsen (1965) Calculating Air Quality and Its Control, *Journal of the Air Pollution Control Association*, 15:12, 565-572, DOI: 10.1080/00022470.1965.10468424
- Dantas, G. dkk. (2020) “The impact of COVID-19 partial lockdown on the air quality of the city of Rio de Janeiro, Brazil,” *Science of the Total Environment*, 729. doi: 10.1016/j.scitotenv.2020.139085.
- DiBiase, D. (1990). Visualization in the Earth Sciences. *Earth and Mineral Sciences*, 59(2).
- DiBiase, D., MacEachren, A.M., Krygier, J.B., Reeves, C., (1992). Animation and the role of map design in scientific visualization. *Cartography and geographic information systems* 19, 201–214.
- Eerens, H., Haesen, D., Rembold, F., Urbano, F., Tote, C., & Bydekerke, L. (2014). Image time series processing for agriculture monitoring. *Environmental Modelling and Software*, 53, 154–162. <https://doi.org/10.1016/j.envsoft.2013.10.021>
- ESA. (2013). Mission Satellite Sentinel-5P. URL:

- <https://earth.esa.int/web/eoportal/satellite-missions/c-missions/copernicus-sentinel-5p>. Diakses tanggal 10 Agustus 2020
- ESA. (2018a). Sentinel-5P OFFL NO2: Offline Nitrogen Dioxide. URL: https://developers.google.com/earth-engine/datasets/catalog/COPERNICUS_S5P_OFFL_L3_NO2. Diakses tanggal 11 Agustus 2020
- ESA. (2018b). Sentinel-5P OFFL CO: Offline Carbon dioxide. URL: https://developers.google.com/earth-engine/datasets/catalog/COPERNICUS_S5P_OFFL_L3_CO. Diakses tanggal 11 Agustus 2020
- 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. <https://doi.org/10.1016/j.rse.2017.06.031>
- GSA. (2006a). *User interface*. URL: <https://www.usability.gov/what-and-why/user-interface-design.html>. Diakses tanggal 13 Juli 2021
- GSA. (2006b). *User experience*. URL: <https://www.usability.gov/what-and-why/user-experience.html>. Diakses tanggal 13 Juli 2021
- Held, G., Abdul Rahman, A., & Zlatanova, S. (2004). Web 3D GIS for Urban Environments. *The Malaysian Surveyor*, (January), 42.
- Holzinger, A. (2005). Usability engineering methods for software developers. *Communications of the ACM* 48, 71–74.
- Hunter, G.J., Wachowicz, M., Bregt, A.K. (2003). Understanding spatial data usability. *Data Science Journal* 2, 79–89.
- ICA (International Cartographic Association). (1973). *Multilingual Dictionary of Technical Terms in Cartography*, Wiesbaden, Franz Steiner Verlag.
- ISO, W. (1998). 9241-11. Ergonomic requirements for office work with visual display terminals (VDTs). *The international organization for standardization* 45.
- Jensen, John R. (2005). *Introductory Digital Image Processing: A Remote Sensing Perspective*. Third. *Prentice-Hall Series in Geographic Information Science*. New Jersey: Pearson Prentice Hall.
- Joshi, A. dkk. (2015) “Likert Scale: Explored and Explained,” *British Journal of Applied Science & Technology*, 7(4), hal. 396–403. doi: 10.9734/bjast/2015/14975
- Peraturan Menteri Kesehatan. (2020) “Peraturan Menteri Kesehatan Republik Indonesia Nomor 9 Tahun 2020 Tentang Pedoman Pembatasan Sosial Berskala Besar Dalam Rangka Percepatan Penanganan Corona Virus Disease 2019 (COVID-19),” Kementerian Kesehatan RI, hal. 28.
- Keputusan Presiden No 11 (2020) “Pernyataan Kedaruratan Kesehatan Masyarakat Terkait COVID-19,” (031003).
- Kerle, N., L.F. Janssen, and G.C. Huurnrman. (2004). *Principles of Remote Sensing*.

The International Institute for Geo-Information Science and Earth Observation
(ITC). Netherlands.

- KLHK. (2010). Pengendalian Pemerintahan Daerah (Lembaran Negara Republik Indonesia). Peraturan Menteri Negara Lingkungan Hidup Nomor 12 Tahun 2010. Jakarta.
- KLHK. (2020). Indeks Standar Pencemaran Udara. URL: <http://iku.menlhk.go.id/map/>. Diakses tanggal 12 Agustus 2020
- Kraak, M.-J., & Ormeling, F. (2010). Cartography: Visualization of Spatial Data Third Edition. In Pearson Education (Third Edit). London: Pearson Education.
- Kraak M.J dan A. Brown. 2001. Web Cartography. London and New York : Taylor and Francis.
- Lillesand, T. dan Kiefer, R. W. (2009). Penginderaan Jauh dan Interpretasi Citra. *Gajah Mada University Press*. Yogyakarta.
- Muhammad, S., Long, X. dan Salman, M. (2020) “COVID-19 pandemic and environmental pollution: A blessing in disguise?,” *Science of the Total Environment*. Elsevier B.V., 728, hal. 138820. doi: 10.1016/j.scitotenv.2020.138820.
- Mutanga, O., & Kumar, L. (2019). Google earth engine applications. *Remote Sensing*, 11(5), 11–14. <https://doi.org/10.3390/rs11050591>
- Nandal, R. (2013). Spatio-Temporal Database and Its Models: A Review. *IOSR Journal of Computer Engineering*, 11(2), 91–100. <https://doi.org/10.9790/0661-11291100>
- Pemerintah Daerah Provinsi Jawa Timur. Peraturan Gubernur Jawa Timur Nomor 18 Tahun 2020 Tentang Pedoman Pembatasan Sosial Berskala Besar dalam Penanganan Corona Virus Disease 2019(COVID-19) di Provinsi Jawa Timur, Pub. L. No. 14 (2020)
- Pemerintah Daerah Provinsi Jawa Timur. (2020). Data Demografi Provinsi Jawa Timur. Jawa Timur
- Prahasta, E. (2009). Sistem Informasi Geografis (Vol. 2013). Bandung: Informatika.
- Rahmasari, E. A. & Yanuarsari, D. H., (2017). Kajian Usability dalam Konsep Dasar User Experience pada Game “ABC KIDS-TRACING AND PHONICS” Sebagai Media Edukasi Universal untuk Anak. *Jurnal Demandia*, Vol. 02 No, 01, page 52.
- Soedomo, M. (2001). Pencemaran Udara (Kumpulan karya ilmiah), *ITB press*, Bandung
- Tempfli, K., Huurneman, G. C., Bakker, W. H., Janssen, L. L. F., Feringa, W. F., Gieske, A. S. M., ... & Woldai, T. (2009). Principles of remote sensing: an introductory textbook. *International Institute for Geo-Information Science and Earth Observation*.
- Voors, R., Bhatti, I. S., Wood, T., Aben, I., Veefkind, P., de Vries, J., Lobb, D., & van der Valk, N. (2017). *TROPOMI, the Sentinel 5 Precursor instrument for air*

quality and climate observations: status of the current design. 10564(October 2012), 3. <https://doi.org/10.1117/12.2309017>

Wijayanti, D. R. (2012). Gambaran dan Analisis Risiko Nitrogen Dioksida (NO₂) Per-Kota/Kabupaten dan Provinsi di Indonesia (Hasil Pemantauan Kualitas Udara Ambien dengan Metode Pasif di Pusarpedal Tahun 2011) (Bachelor's thesis, Universitas Indonesia:Fakultas Kesehatan Masyarakat, 2012).

Wu, X., Nethery, R. C., Sabath, B. M., Braun, D., & Dominici, F. (2020). Exposure to air pollution and COVID-19 mortality in the United States: A nationwide cross-sectional study. *MedRxiv*, 2020.04.05.20054502. <https://doi.org/10.1101/2020.04.05.20054502>

Zhong, C., Wang, T., Zeng, W., Arisona, S. M. (2012). Spatiotemporal Visualisation: A Survey Outlook. *Springer-Verlag Berlin Heidelberg*. 299-317.

Zulkarnain, R., & Ramadani, K. D. (2021). Kualitas Udara Dan Potensi Transmisi Covid-19 Di Pulau Jawa. *Seminar Nasional Official Statistics*, 2020(1), 23–33. <https://doi.org/10.34123/semnasoffstat.v2020i1.398>