

Daftar Pustaka

- Adam, F. P. (2010). Tren urbanisasi di indonesia. *Piramida*, 1-15.
- Agung, A., Zainuri, M., Wirasatriya, A., Maslukah, L., Subardjo, P., Suryosaputro, A. A., & Handoyo, G. (2018). Analisis Sebaran Klorofil-A dan Suhu Permukaan Laut sebagai Fishing Ground Potensial (Ikan Pelagis Kecil) di Perairan Kendal, Jawa Tengah. *BULETIN OSEANOGRAFI MARINA.*, 67-74.
- Aldrian, E. (2008). *Meteorologi Laut Indonesia*. Jakarta: Badan Meteorologi dan Geofisika.
- Aldrian, E., Karmini, M., & Budiman. (2011). *Adaptasi dan Mitigasi Perubahan Iklim di Indonesia*. Jakarta: Pusat Perubahan Iklim dan Kualitas Udara.
- Andrienko, G., Andrienko, N., Bremm, S., Schreck, T., Von Landesberger, T., Bak, P., & Keim, D. (2010). Space-in-time and time-in-space self-organizing maps for exploring spatiotemporal patterns. *In Computer Graphics Forum* (pp. 913-922). Oxford, UK: Blackwell Publishing Ltd.
- Athoillah, I., Sibarani, R. M., & Doloksaribu, D. E. (2017). Analisis Spasial El Nino Kuat Tahun 2015 Dan La Nina Lemah Tahun 2016 (Pengaruhnya Terhadap Kelembapan, Angin dan Curah Hujan di Indonesia). *Jurnal Sains & Teknologi Modifikasi Cuaca*, 33-41.
- Bai, W., Zhang, X., & Zhang, P. (2010). Temporal and spatial distribution of tropospheric CO₂ over China based on satellite observations. *Chinese Science Bulletin*, 3612-3618.
- Bappenas. (2019). *Indonesia Climate Change Sectoral Roadmap (ICCSR)*. Jakarta: Republik Indonesia.
- Barkley, M. P., Monks, P. S., Hewitt, A. J., Machida, T., & Desai, A. (2007). Assesing the Near Surface Sensitivity of SCIAMACHY Atmospheric CO₂ Retrieved Using FSI WFM-DOAS. *Atmospheric Chemistry and Physics*, 3597-3619.
- BMKG. (2018, Desember 07). *Trend Suhu*. Retrieved from Badan Meteorologi Klimatologi dan Geofisika: <https://www.bmkg.go.id/iklim/?p=tren-suhu>
- Budiarti, A. (2018). Pengaruh Kualitas Layanan Dan Penanganan Keluhan Terhadap Kepuasan Dan Loyalitas Nasabah Bank Umum Syariah Di Surabaya. *EKUITAS: Jurnal Ekonomi dan Keuangan*, 210-231.
- Carlstein, T. (1982). *Time Resources Society and Ecology*. London: George Allen & Unwin.
- Chahine, M. T., & al, e. (2006). AIRS: Improving weather forecasting and providing new data on greenhouse gases. *Bulletin of the American Meteorological Society*, 911-926.

- Chahine, M., Barnet, C., Olsen, E. T., Chen, L., & Maddy, E. (2005). On the determination of atmospheric minor gases by the method of vanishing partial derivatives with application to CO₂. *Geophysical research letters*, L22803.
- Chevallier, F., Engelen, R. J., & Peylin, P. (2005). The contribution of AIRS data to the estimation of CO₂ sources and sinks. *Geophysical Research Letters*, 1-4.
- Chuvieco, E. (2010). *Fundamentals of satellite remote sensing*. New York: CRC press.
- Couclelis, H. (1999). Space, time, geography. *Geographical information systems*, 29-38.
- Cressie, N., & Johannesson, G. (2008). Fixed rank kriging for very large spatial data sets. *Journal of the Royal Statistical Society: Series B (Statistical Methodology)*, 209-226.
- Cuecan, P. J. (1985). *Principle of Remote Sensing*. Hongkong: Longman Group.
- Danoedoro, P. (2012). *Pengantar Penginderaan Jauh Digital*. Yogyakarta: Penerbit Andi.
- de Jong, R., de Bruin, S., de Wit, A., Schaepman, M. E., & Dent, D. L. (2011). Analysis of monotonic greening and browning trends from global NDVI time-series. *Remote Sensing of Environment*, 692-702.
- Diniardi, E. M., Susanto, B., & Indarto, I. (2011). Analisis Kecenderungan Data Hujan di Jawa Timur Menggunakan Metode Mann-Kendal dan Rank-Sum Test. *Jurnal Keteknikaan Pertanian*, 19-28.
- Djudin, T. (2013). *Statistika Parametrik*. Yogyakarta: Tiara Wacana.
- Doherty, P. C. (n.d.). Space weather effects of October–November 2003. *GPS Solutions*, 8(4), 267-271.
- Doherty, P., Coster, A. J., & Murtagh, W. (2004). Space weather effects of October–November 2003. *GPS Solutions*, 8(4), 267-271.
- Fearnside, P. M. (1997). Greenhouse gases from deforestation in Brazilian Amazonia: net committed emissions. *Climatic Change*, 321-360.
- Field, R. D., & Shen, S. S. (2008). Predictability of carbon emissions from biomass burning in Indonesia from 1997 to 2006. *Journal of Geophysical Research: Biogeosciences*, 113(G4), G04024.
- Franciska, C. (2013, Juli 3). *Anomali cuaca ganggu produksi petani*. Retrieved from Majalah Lingkungan: https://www.bbc.com/indonesia/majalah/2013/07/130702_majalah_lingkungan_anomali_cuaca

- García, S., Luengo, J., & Herrera, F. (2015). *Data preprocessing in data mining* (pp. 59-139). New York: Springer.
- Habibie, M. N., & Nuraini, T. A. (2014). Karakteristik dan Tren Perubahan Suhu Permukaan Laut di Indonesia Periode 1982-2009. *Journal Meteorologi dan Geofisika*, 15 (1).
- Hadiman, F. N., Ali, M., & Safril, A. (2016). ANALISIS PENGARUH EL NIÑO 2004-2005 TERHADAP KONSENTRASI KLOOROFIL-A DI PERAIRAN MALUKU. *Jurnal Meteorologi Klimatologi dan Geofisika*, 21-25.
- Handoko, E. Y., Yuwono, Y., Ariani, R., & Filaili, R. B. (2018). KORELASI MULTIVARIATE EL NIÑO SOUTHERN OSCILLATOR INDEX DAN VARIASI PERMUKAAN LAUT DI PERAIRAN INDONESIA. *Geoid*, 1-5.
- Harvey, D. (1990). Between space and time: reflections on the geographical imagination1. *Annals of the Association of American Geographers*, 418-434.
- Hirsch, R. M., & Slack, J. R. (1984). A nonparametric trend test for seasonal data with serial dependence. *Water Resources Research*, 727-732.
- HK, B. T. (2004). *Klimatologi* (2 ed.). Bandung: Penerbit ITB.
- Ho, J. (2010). The implications of Arctic sea ice decline on shipping. *Marine Policy*, 34(3), 713-715.
- Hurrell, J. W., Hack, J. J., Shea, D., Caron, J. M., & Rosinski, J. (2008). A New Sea Surface Temperature and Sea Ice Boundary Dataset for the Community Atmosphere Model. *Journal of Climate*, 21, 5145-5153.
- Indonesia, R. (1985). *Undang Undang No. 17 Tahun 1985 tentang Pengesahan UNCLOS*. Jakarta: Menteri Sekretaris Negara .
- Intergovernmental Panel on Climate Change. (2006). *2006 IPCC guidelines for national greenhouse gas inventories*. Japan: Intergovernmental Panel on Climate Change.
- Junaedi, A. (2008). Kontribusi hutan sebagai rosot karbondioksida. *Info Hutan*, 1-7.
- Kalnay, E. & (2003). Impact of urbanization and land-use change on climate. *Nature*, 528.
- Kaufman, Y. J., Tanré, D., & Boucher, O. (2002). A satellite view of aerosols in the climate system. *Nature*, 215-223.
- Kehutanan, D. (2008). *Statistik Kehutanan Indonesia 2007*. Jakarta: Departemen Kehutanan Republik Indonesia.

- Kementrian Lingkungan Hidup. (2012). *Pedoman Penyelenggaraan Inventarisasi Gas Rumah Kaca Nasional*. Jakarta: Kementrian Lingkungan Hidup.
- Kementrian Lingkungan Hidup. (2012). *Pedoman Penyelenggaraan Inventarisasi Gas Rumah Kaca Nasional II*. Indonesia: Kementrian Lingkungan Hidup.
- Komala, N. (2010). Variasi Temporal Konsentrasi Karbon dioksida (CO₂) dan Temperatur di Indonesia Berbasis Data Observasi Aqua-AIRS. *Prosiding Seminar Nasional Sains Atmosfer I* (pp. 345-354). Bandung: Seminar Nasional Sains Atmosfer.
- Kusrini, K. S. (2011). Perubahan Penggunaan Lahan dan Faktor yang Mempengaruhinya di Kecamatan Gunungpati Kota Semarang. *Majalah Geografi Indonesia*, 25-40.
- Kuze, A., Suto, H., Nakajima, M., & Hamazaki, T. (2009). Thermal and near infrared sensor for carbon observation Fourier-transform spectrometer on the Greenhouse Gases Observing Satellite for greenhouse gases monitoring. *Applied optics*, 6716-6733.
- LAPAN. (2013, February 25). *Cuaca Ekstrem hingga Akhir Februari Perlu Diwaspadai*. Retrieved from Lembaga Penerbangan dan Antariksa Nasional: <https://lapan.go.id/index.php/subblog/read/2013/324/Cuaca-Ekstrem-hingga-Akhir-Februari-Perlu-Diwaspadai>
- Lo, C. P., & Purbowaseso, B. (1996). *Pengindraan jauh terapan*. Jakarta: Penerbit Universitas Indonesia.
- Machida, T., Kita, K., Kondo, Y., Blake, D., Kawakami, S., Inoue, G., & Ogawa, T. (2002). Vertical and meridional distributions of the atmospheric CO₂ mixing ratio between northern midlatitudes and southern subtropics. *Journal of Geophysical Research: Atmospheres*, 107(D3), BIB-5.
- Mahmood, I., Iqbal, M. F., Shahzad, M. I., Waqas, A., & Atique, L. (2016). Spatiotemporal monitoring of CO₂ and CH₄ over Pakistan using Atmospheric Infrared Sounder (AIRS). *International Letters of Natural Sciences*, 35-41.
- McLeod, A. I. (2005). Kendall rank correlation and Mann-Kendall trend test. *R Package Kendall*, 1-12.
- Miyazaki, K., Machida, T., Patra, P. K., Iwasaki, T., Sawa, Y., Matsueda, H., & Nakazawa, T. (2009). Formation mechanisms of latitudinal CO₂ gradients in the upper troposphere over the subtropics and tropics. *Journal of Geophysical Research: Atmospheres*, 17.
- Nakazawa, T., Miyashita, K., Aoki, S., & Tanaka, M. (1991). Temporal and spatial variations of upper tropospheric and lower stratospheric carbon dioxide. *Tellus B*, 43(2), 106-117.

- Nasprianto, N., Mantiri, D. M., Kepel, T. L., Ati, R. N., & Hutahaean, A. (2016). Distribusi Karbon Di Beberapa perairan Sulawesi Utara (*Carbon Distribution in North Sulawesi Waters*). *Jurnal Manusia dan Lingkungan*, 34-41.
- Pachauri, R. K., Allen, M. R., Barros, V. R., Broome, J., Cramer, W., Christ, R., & Dubash, N. K. (2014). *Climate change 2014: synthesis report. Contribution of Working Groups I, II and III to the fifth assessment report of the Intergovernmental Panel*. Switzerland: IPCC.
- Pamuji, A. (2018). Analisa Studi Empirik Kerangka Kerja Pengukuran Kualitas Perangkat Lunak Bebas Cacat. *Jurnal Informatika: Jurnal Pengembangan IT*, 130-135.
- Permadi, D. A., & Oanh, N. T. (2013). Assessment of biomass open burning emissions in Indonesia and potential climate forcing impact. *Atmospheric Environment*, 78, 250-258.
- Prakash, A. (2000). Thermal Remote Sensing: Concepts, Issue and Applications. *International Archives of Photogrammetry and Remote Sensing*, 239-243.
- Prawirowardoyo, S. (1996). *Meteorologi*. Bandung: ITB.
- Pred, A. (1977). The choreography of existence: comments on Hägerstrand's time-geography and its usefulness. *Economic geography*, 207-221.
- Pribadi, A., & Kurata, G. (2017). Greenhouse gas and air pollutant emissions from land and forest fire in Indonesia during 2015 based on satellite data. In *IOP Conference Series: Earth and Environmental Science (Vol. 54, No. 1, p. 012060)*, 1-8.
- Pujiastuti, D., Melayeta, E., & Mustafa, B. (2010). Analisis Efek Karbon Dioksida (CO₂) Terhadap Kenaikan Temperatur Di Bukit Kototabang tahun 2005–2009. *JURNAL ILMU FISIKA | UNIVERSITAS ANDALAS* 2(2), 56-67.
- Purwanta, W. (2016). Profil Emisi Gas Buang dari Pesawat Udara di Sejumlah Bandara di Indonesia. *Jurnal Teknologi Lingkungan*, 21-26.
- Pusat Data dan Teknologi Informasi Energi dan Sumber Daya Mineral. (2017). *Kajian Penggunaan Faktor Emis Lokal (Tier 2) dalam Inventarisasi GRK Sektor Energi*. Jakarta: Kementerian Energi dan Sumber Daya Miner.
- Rajab, J. M., MatJafri, M. Z., Lim, H. S., & Abdullah, K. (2009). Satellite mapping of CO₂ emission from forest fires in indonesia using AIRS measurements. *Modern Applied Science*, 3(12), 68-75.
- Rasyid, F. (2014). Permasalahan dan Dampak Kebakaran Hutan. *Widyaiswara Network Journal*, 1(4), 47-59.

- Rebetez, M. M., Dupont, O., Schindler, D., Gartner, K., K. J., & Menzel, A. (2006). Heat and drought 2003 in Europe: a climate synthesis. . *Annals of Forest Science*, 63(6), 569-577.
- Ross, T., & Lott, N. (2003). *A climatology of 1980-2003 extreme weather and climate events*. Asheville: US Department of Commerce NOAA.
- Sabine, C. L., Feely, R. A., Gruber, N., Key, R. M., Lee, K., Bullister, J. L., & Millero, F. J. (2004). The oceanic *sink* for anthropogenic CO₂. *science*, 367-371.
- Samiaji, T. (2010). Sebaran Emisi Gas CO₂ di Indonesia. *Prosiding Seminar Penerbangan dan Antariksa* , 185-192.
- Samiaji, T. (2011). Gas CO₂ Di Wilayah Indonesia. *Berita Dirgantara*, 12(2), 68-75.
- Sawa, Y., Machida, T., & Matsueda, H. (2012). Aircraft observation of the seasonal variation in the transport of CO₂ in the upper atmosphere. *Journal of Geophysical Research: Atmospheres*.117(D5)., 1-10.
- Schneising, O., Buchwitz, M., Bovensmann, H., & Burrows, J. p. (2007). Three Years of SCIAMACHY Carbon Dioxide and Methane Column-Average Dry Mole Fraction Measurements. *ENVISAT Symposium*, (pp. SP-636).
- Setiawan, G., Syaufina, L., & Puspaningsih, N. (2015). Estimasi hilangnya cadangan karbon dari perubahan penggunaan lahan di Kabupaten Bogor. . *Jurnal Pengelolaan Sumberdaya Alam dan Lingkungan (Journal of Natural Resources and Environmental Management)*, 141.
- Shaw, S. L., Yu, H., & Bombom, L. S. (2008). A space-time GIS approach to exploring large individual-based spatiotemporal datasets. *Transactions in GIS*, 425-441.
- Shi, Y., & Yamaguchi, Y. (2014). A high-resolution and multi-year emissions inventory for biomass burning in Southeast Asia during 2001–2010. *Atmospheric environment*, 98, , 8-16.
- Singh, R. B., Janmajaya, M., Dhaka, S. K., & Kumar, V. (2015). Study on the association of green house gas (CO₂) with monsoon rainfall using AIRS and TRMM satellite observations. *Physics and Chemistry of the Earth, Parts A/B/C*, 89, 65-72.
- Sugiyono. (2007). *Statistika untuk Penelitian*. Bandung: Alfabeta.
- Supriatna, J. (2008). *Melestarikan Alam Indonesia* . Jakarta: Yayasan Obor Indonesia.
- Surmaini, E. I. (2015). Upaya sektor pertanian dalam menghadapi perubahan iklim. *Jurnal Litbang Pertanian*, 1-7.

- Sutanto. (1992). *Penginderaan Jauh* (Vol. I). Yogyakarta: Fakultas Geografi UGM.
- Swastika, D. K. (2014). REFORMASI PARADIGMA URBANISASI: STRATEGI PERCEPATAN PENGENTASAN KEMISKINAN DI PERDESAAN. In B. P. Pertanian, *Reformasi Kebijakan Menuju Transformasi Pertanian* (pp. 357-383). Jakarta: Badan Penelitian dan Pengembangan Pertanian.
- Syaifullah, M. D. (2015). Suhu Permukaan Laut Perairan Indonesia dan Hubungannya dengan Pemanasan Global. *Segara, II*, 103-113.
- Ting, M., Kushnir, Y., Seager, R., & Li, C. (2009). Forced and Internal Twentieth-Century SST Trends in the North Atlantic. *Journal of Climate*, 1469-1481.
- Tjiptoherijanto, P. (1999). Urbanisasi dan Pengembangan Kota di Indonesia. i, 10(2). *Populasi*, 57-72.
- Tomosada, M. (2011). A Prediction Method for the Global Distribution of CO₂ Concentration from Irregularly Observed Locations. *Procedia Environmental Sciences*, 134-139.
- Ulfi, A., & Ilyas, N. (2017). Analisis Trend Menggunakan Regresi Kuantil dan Uji Mann-Kendall. -, 1.
- Waliser, D. E., Moncrieff, M. W., Burridge, D., Fink, A. H., Gochis, D., Goswami, B. N., & Jakob, C. (2012). The “year” of tropical convection (May 2008–April 2010): Climate variability and weather highlights. *Bulletin of the American Meteorological Society*, 93(8), 1189-1218.
- Wardah, F. (2013, January 22). *Akibat Cuaca Ekstrem, Kondisi Nelayan Memprihatinkan*. Retrieved from VOA Indonesia: <https://www.voaindonesia.com/a/akibat-cuaca-ekstrem-kondisi-nelayan-memprihatinkan/1588391.html>
- Wardhana, W. A. (2010). *Dampak Pemanasan Global*. Yogyakarta: Penerbit Andi.
- Waters, N. (2016). Tobler's First Law of Geography. *International Encyclopedia of Geography: People, the Earth, Environment and Technology*, 1-15.
- Yulihastin, E. (2010). Mekanisme Interaksi Monsun Asia dan El Niño. *Berita Dirgantara*, 99-105.
- Zammit-Mangion, A., & Cressie, N. (2017). FRK: An R Package for Spatial and Spatio-Temporal Prediction with Large Datasets. *arXiv preprint arXiv*, 1-41.
- Zhou, C., Shi, R., & Gao, W. (2015). Data fusion of CO₂ retrieved from GOSAT and AIRS using regression analysis and fixed rank kriging. *Remote Sensing and Modeling of Ecosystems for Sustainability XII* (pp. A3-A9). -: International Society for Optics and Photonics.