

DAFTAR PUSTAKA

- Akbari, H. & Kolokotsa, D., 2016. Three decades of *Urban Heat Islands* and mitigation technologies research. *Energy and Buildings*, 133, pp.834-842.
- Alhaji, U.U., Yusuf, A.S., Edet, C.O., Oche, C.O. & Agbo, E.P., 2018. Trend analysis of temperature in Gombe state using Mann Kendall trend test. *J. Sci. Res. Rep*, 20(3), pp.1-9.
- Amani, M., Ghorbanian, A., Ahmadi, S.A., Kakooei, M., Moghimi, A., Mirmazloumi, S.M., Moghaddam, S.H.A., Mahdavi, S., Ghahremanloo, M., Parsian, S. & Wu, Q., 2020. Google earth engine cloud computing platform for remote sensing big data applications: A comprehensive review. *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing*, 13, pp.5326-5350.
- Anderson, J.R., 1976. *A land use and land cover classification system for use with remote sensor data* (Vol. 964). US Government Printing Office.
- Ba& Pusat Statistik. 2020. *Hasil Sensus Penduduk 2020*. [Online] Available at: <https://www.bps.go.id/pressrelease/2021/01/21/1854/hasil-sensus-penduduk-2020.html> [Diakses 15 10 2021].
- Ba& Pusat Statistik. 2016. *Proyeksi Penduduk Wonosobo Menurut Jenis Kelamin Tahun 2010 – 2020*. [Online] Available at: <https://wonosobokab.bps.go.id/statictable/2016/11/28/123/proyeksi-penduduk> [Diakses 15 10 2021].
- Bhatti, S.S. & Tripathi, N.K., 2014. *Built-Up Area Extraction* using Landsat 8 OLI imagery. *GIScience & remote sensing*, 51(4), pp.445-467.
- Breiman, L. 1999. Random forests - Random Features. *Technical Report 567*, Statistics Department, University of California, Berkeley, <ftp://ftp.stat.berkeley.edu/pub/users/breiman>.

- Carlson, T.N. & Ripley, D.A., 1997. On the relation between NDVI, fractional vegetation cover, and leaf area index. *Remote sensing of Environment*, 62(3), pp.241-252.
- Chao, Z. & Sheng, M., 2011, June. Study on extraction *Methods* for water information in Nantong city, China using Landsat ETM+ data. In 2011 *International Conference on Remote Sensing, Environment and Transportation Engineering* (pp. 771-774).
- Cochran, W.G., 1977. *Sampling Techniques: 3rd Ed.* Wiley.
- Comber, A., Fisher, P. & Wadsworth, R., 2005. What is land cover?. *Environment and Planning B: Planning and Design*, 32(2), pp.199-209.
- Coseo, Paul & Larissa Larsen. 2014. How Factors of Land Use/Land Cover, Building Configuration, and Adjacent Heat Sources and Sinks Explain Urban Heat Islands in Chicago. *Landscape and Urban Planning*, 125, pp.117–129.
- &oedoro, P., 2012. Pengantar penginderaan jauh digital. *Penerbit Andi, Yogyakarta*.
- Duka, M., Lihawa, F. & Rahim, S., 2020. Perubahan Tutupan Lahan & Pengaruhnya Terhadap Pola Persebaran Suhu di Kota Gorontalo. *Jambura Geoscience Review*, 2(1), pp.16-29.
- Ermida, S.L., Soares, P., Mantas, V., Göttsche, F.M. & Trigo, I.F., 2020. Google earth engine open-source code for land surface temperature estimation from the landsat series. *Remote Sensing*, 12(9), p.1471.
- Fashae, O.A., Adagbasa, E.G., Olusola, A.O. & Obateru, R.O., 2020. Land use/land cover change and land surface temperature of Iba& and environs, Nigeria. *Environmental monitoring and assessment*, 192(2), pp.1-18.
- Fawzi, N.I., 2014. Pemetaan emisivitas permukaan menggunakan indeks vegetasi. *Majalah Ilmiah Globe*, 16(2).

- Gao, B.C., 1996. NDWI—A Normalized Difference Water Index for remote sensing of vegetation liquid water from space. *Remote sensing of environment*, 58(3), pp.257-266.
- Gikunda, A., 2021. *Differences between optical and radar remote sensing*. [Online] Available at: <https://grindgis.com/uncategorized/differences-between-optical-and-radar-remote-sensing> [Diakses 30 Desember 2021].
- Gocic, M. & Trajkovic, S., 2013. Analysis of changes in meteorological variables using Mann-Kendall and Sen's slope estimator statistical tests in Serbia. *Global and Planetary Change*, 100, pp.172-182.
- 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, pp.18-27.
- Grossman, R.L., 2009. The case for cloud computing. *IT professional*, 11(2), pp.23-27.
- Hadi, B. S., 2019. *Penginderaan Jauh Pengantar ke Arah Pembelajaran Berpikir Spasial*. 1st Ed. Yogyakarta: UNY Press.
- El-Hattab, M.M., 2016. Applying post classification change detection technique to monitor an Egyptian coastal zone (Abu Qir Bay). *The Egyptian Journal of Remote Sensing and Space Science*, 19(1), pp.23-36.
- Hayati, A.R.N., 2019. Pemanfaatan Citra Landsat 8 Untuk Mengetahui Perubahan Suhu Permukaan Tanah (Land Surface Temperature) di Kabupaten Ngawi Tahun 2015, 2017, & 2019 (*Doctoral dissertation*, ITN MALANG).
- Jensen, J. R., 2007. *Remote Sensing of the Environment*. 2nd Ed. New Jersey: Pearson Prentice Hall.
- Kang, Y., Pan, L., Sun, M., Liu, X. & Chen, Q., 2017. Destriping high-resolution satellite imagery by improved moment matching. *International Journal of Remote Sensing*, 38(22), pp.6346-6365.

- Kementerian Lingkungan Hidup & Kehutanan. 2022. *Sistem Monitoring Hutan Nasional*. [Online] Available at : <https://nfms.menlhk.go.id/> [Diakses 12 03 2022].
- Kendall, M.G. & Stuart, A., 1958. *The Advanced Theory of Statistics: Design and Analysis, and Time-series*, vol. 3. Charles Griffin & Company Limited, London.
- Kennedy, R.E., Yang, Z. & Cohen, W.B., 2010. Detecting trends in forest disturbance and recovery using yearly Landsat time series: 1. LandTrendr—Temporal segmentation algorithms. *Remote Sensing of Environment*, 114(12), pp.2897-2910.
- Kennedy, R.E., Yang, Z., Gorelick, N., Braaten, J., Cavalcante, L., Cohen, W.B. & Healey, S., 2018. Implementation of the LandTrendr algorithm on google earth engine. *Remote Sensing*, 10(5), p.691.
- Kuenzer, C. & Dech, S. eds., 2013. *Thermal infrared remote sensing: sensors, Methods, applications* (Vol. 17). Springer Science & Business Media.
- Kurniawan, S., Nurhaidar, W.O. & Salihin, I., 2017. Optimalisasi Transformasi Spektral Ui, Ndbi, Ndvi & Kombinasi Tranformasi Spektral Ui–Ndbi & Ndbi–Ndbi Guna Mendeteksi Kepadatan Lahan Terbangun Di Kota Magelang. *JAGAT (Jurnal Geografi Aplikasi & Teknologi)*, 1(1), pp.13-22.
- Kvamme, K.L., Ernenwein, E.G. & Menzer, J.G., 2019. Putting it all together: Geophysical data integration. *In Innovation in Near-Surface Geophysics* (pp. 287-339). Elsevier.
- Lauer, D.T., Morain, S.A. & Salomonson, V.V., 1997. The Landsat program: Its origins, evolution, and impacts. *Photogrammetric Engineering and Remote Sensing*, 63(7), pp.831-838.
- Lillesand, T.M., & Kiefer, R.W. 2008. *Remote Sensing and Image Interpretation* : Sixth Edition, New York.

- Liu, X.L., Zhong, K.W., Chen, Z.L., Huang, J.M. & Liu, W.X., 2008. Fast extraction technique of river channels based on Landsat TM. *Remote Sensing Technology and Application*, 23(1), pp.57-61.
- Loveland, T.R. & Dwyer, J.L., 2012. Landsat: Building a strong future. *Remote Sensing of Environment*, 122, pp.22-29.
- Mann, H.B., 1945. Nonparametric tests against trend. *Econometrica* 13, 245–259.
- McCoy, R.M., 2005. *Field Methods in remote sensing*. Guilford Press.
- Moser, S.C., 1996. A partial instructional module on global and regional land use/cover change: assessing the data and searching for general relationships. *GeoJournal*, 39(3), pp.241-283.
- Mugiraneza, T., Nascetti, A. & Ban, Y., 2020. Continuous monitoring of urban land cover change trajectories with landsat time series and LandTrendr-google earth engine cloud computing. *Remote Sensing*, 12(18), p.2883.
- Murray, N.J., Keith, D.A., Simpson, D., Wilshire, J.H. & Lucas, R.M., 2018. Remap: An online remote sensing application for land cover classification and monitoring. *Methods in Ecology and Evolution*, 9(9), pp.2019-2027.
- Murti, S.H., 2012. Pengaruh Resolusi Spasial pada Citra Penginderaan Jauh terhadap Ketelitian Pemetaan Penggunaan Lahan Pertanian di Kabupaten Wonosobo. *Geomatika*, 18(1).
- Muzaky, H. & Jaelani, L.M., 2019. Analisis Pengaruh Tutupan Lahan terhadap Distribusi Suhu Permukaan: Kajian Urban Heat Island di Jakarta, Bandung & Surabaya. *Jurnal Penginderaan Jauh Indonesia*, 1(2), pp.45-51.
- Pangestu, S.A. & Jatmiko, R.H., 2016. Analisa Citra Satelit Multi-temporal Untuk Deteksi Perubahan Penggunaan Lahan Dengan Menggunakan Metode Post-classification Comparisson Di Sebagian DKI Jakarta. *Jurnal Bumi Indonesia*, 5(1).

- Phan, T.N., Kuch, V. & Lehnert, L.W., 2020. Land Cover Classification using Google Earth Engine and Random Forest Classifier—The Role of Image Composition. *Remote Sensing*, 12(15), p.2411.
- Poortinga, A., Clinton, N., Saah, D., Cutter, P., Chishtie, F., Markert, K.N., Anderson, E.R., Troy, A., Fenn, M., Tran, L.H. & Bean, B., 2018. An operational before-after-control-impact (BACI) designed platform for vegetation monitoring at planetary scale. *Remote Sensing*, 10(5), p.760.
- Putra, A.K., Sukmono, A. & Sasmito, B., 2018. Analisis hubungan perubahan tutupan lahan terhadap suhu permukaan terkait fenomena Urban Heat Island menggunakan citra landsat (Studi Kasus: Kota Surakarta). *Jurnal Geodesi Undip*, 7(3), pp.22-31.
- Richards, J.A., 2013. *Supervised classification techniques. In Remote Sensing Digital Image Analysis* (pp. 247-318). Springer, Berlin, Heidelberg.
- Roy, D.P., Kovalsky, V., Zhang, H.K., Vermote, E.F., Yan, L., Kumar, S.S. & Egorov, A., 2016. Characterization of Landsat-7 to Landsat-8 reflective wavelength and Normalized Difference Vegetation Index continuity. *Remote sensing of Environment*, 185, pp.57-70.
- Rudiarto, I. & Doppler, W., 2013. Impact of land use change in accelerating soil erosion in Indonesian upland area: a case of Dieng Plateau, Central Java-Indonesia. *International Journal of AgriScience*, 3(7), pp.558-576.
- Sen, P.K., 1968. Estimates of the regression coefficient based on Kendall's tau. *Journal of the American statistical association*, 63(324), pp.1379-1389.
- Shaharum, N.S.N., Shafri, H.Z.M., Ghani, W.A.W.A.K., Samsatli, S. & Yusuf, B., 2019, February. The utilisation of cloud computing and remote sensing approach to assess environmental sustainability in Malaysia. *IOP Conference Series: Earth and Environmental Science* (Vol. 230, No. 1, p. 012109).

- Sitanggang, G., 2010. Kajian pemanfaatan satelit masa depan: sistem penginderaan jauh satelit LDCM (LANDSAT-8). *Berita Dirgantara*, 11(2).
- Sobrino, J.A., Jiménez-Muñoz, J.C. & Paolini, L., 2004. Land surface temperature retrieval from LANDSAT TM 5. *Remote Sensing of environment*, 90(4), pp.434-440.
- Sutanto. 1994. *Penginderaan Jauh Jilid 2*. Gadjah Mada University Press. Yogyakarta.
- Sykas, D., 2018. *An initial approach on how to understand spectral indices*. [Online] Available at: <https://www.geo.university/pages/spectral-indices-in-remote-sensing-and-how-to-interpret-them> [Diakses 14 10 2021]
- Tamiminia, H., Salehi, B., Mahdianpari, M., Quackenbush, L., Adeli, S. & Brisco, B., 2020. Google Earth Engine for geo-big data applications: A meta-analysis and systematic review. *ISPRS Journal of Photogrammetry and Remote Sensing*, 164, pp.152-170.
- United States Environmental Protection Agency., 2022. *Heat Island Effect*. [Online] Available at: <https://www.epa.gov/heatislands> [Diakses 17 11 2022].
- United States Environmental Protection Agency., 2016. *Deforestation & Devegetation*. [Online] Available at: https://archive.epa.gov/ged/coralreef/web/html/long_deforestation_devegetation.html#:~:text=Deforestation%20and%20Devegetation%20are%20the,Cmap [Diakses 17 11 2022].
- United States Geological Survey., 2018. *NDVI, the Foundation for Remote Sensing Phenology*. [Online] Available at: [https://www.usgs.gov/special-topics/remote-sensing-phenology/science/ndvi-foundation-remote-sensing-phenology#:~:text=NDVI%20values%20range%20from%20%2B1.0,\(approximately%200.2%20to%200.5\)](https://www.usgs.gov/special-topics/remote-sensing-phenology/science/ndvi-foundation-remote-sensing-phenology#:~:text=NDVI%20values%20range%20from%20%2B1.0,(approximately%200.2%20to%200.5)). [Diakses 21 11 2022].

- United States Geological Survey., t.thn. *What are the band designations for the Landsat satellites?*. [Online] Available at: https://www.usgs.gov/faqs/what-are-band-designations-landsat-satellites?qt-news_science_products=0#qt-news_science_products [Diakses 15 10 2021].
- Utomo, A.W., Suprayogi, A. & Sasmito, B., 2017. Analisis hubungan variasi land surface temperature dengan kelas tutupan lahan menggunakan data citra satelit landsat (Studi Kasus: Kabupaten Pati). *Jurnal Geodesi Undip*, 6(2), pp.71-80.
- Vincent, R.K., 1997. *Fundamentals of geological and environmental remote sensing*. Prentice Hall.
- Wan, Z. & Dozier, J., 1996. A generalized split-window algorithm for retrieving land-surface temperature from space. *IEEE Transactions on geoscience and remote sensing*, 34(4), pp.892-905.
- Wang, L., Ma, Y., Yan, J., Chang, V. & Zomaya, A.Y., 2018. pipsCloud: High performance cloud computing for remote sensing big data management and processing. *Future Generation Computer Systems*, 78, pp.353-368.
- Weng, Q., Lu, D. & Schubring, J., 2004. Estimation of land surface temperature–vegetation abundance relationship for *Urban Heat Island* studies. *Remote sensing of Environment*, 89(4), pp.467-483.
- Wiweka. 2014. Pola Suhu Permukaan & Udara Menggunakan Citra Satelit Landsat Multi-temporal. *Ecolab* Vol. 8 No. 1 Januari 2014 : 1 – 52
- Wulder, M.A., Loveland, T.R., Roy, D.P., Crawford, C.J., Masek, J.G., Woodcock, C.E., Allen, R.G., Anderson, M.C., Belward, A.S., Cohen, W.B. & Dwyer, J., 2019. Current status of Landsat program, science, and applications. *Remote sensing of environment*, 225, pp.127-147.
- Xu, H., 2006. Modification of normalized difference water index (NDWI) to enhance open water features in remotely sensed imagery. *International journal of remote sensing*, 27(14), pp.3025-3033.

- Zha, Y., Gao, J. & Ni, S., 2003. Use of Normalized Difference Built-Up Index in automatically mapping urban areas from TM imagery. *International journal of remote sensing*, 24(3), pp.583-594.
- Zhu, Z., 2017. Change detection using Landsat time series: a review of frequencies, preprocessing, algorithms, and applications. *ISPRS J. Photogramm. Remote Sens.* 130, 370–384.
- Zulfajri, Z., Danoedoro, P., & Murti, S.H. 2021. Klasifikasi Tutupan Lahan Data Landsat-8 OLI Menggunakan Metode Random Forest. *Jurnal Penginderaan Jauh Indonesia.* 3 (1):1-7.