

DAFTAR PUSTAKA

- Agisoft LLC 2023, *Agisoft Metashape User Manual: Professional Edition*, 2nd ver., Agisoft LLC
- Aber, JS, Marzloff, I & Ries, JB 2010, *Small-Format Aerial Photography: Principles, Techniques and Geoscience Application*, 1st edn., Elsevier, Amsterdam, The Netherlands.
- Agus, F, Susilawati, HL, & Surmaini E 2022, 'Strategies for Indonesia's Agricultural Climate Change Adaptation and Mitigation', *Jurnal Sumberdaya Lahan*, vol. 16, no. 2, pp. 67-81.
- Ahmad, S, Pandey, AC, Kumar, A, & Lele, NV 2021, 'Potential of Hyperspectral AVIRIS-NG Data for Vegetation Characterization, Species Spectral Separability, and Mapping', *Applied Geomatics*, vol. 13, pp. 361-372.
- Aristya, VE & Taryono 2019, 'Pemuliaan Tanaman Partisipatif untuk Meningkatkan Peran Varietas Padi Unggul dalam Mendukung Swasembada Pangan Nasional', *Agrotechnology Innovation (Agrinova)*, vol. 2, no. 1, pp. 26-35.
- BBPSIP (Balai Besar Pengujian Standar Instrumen Padi) 2023, *Deskripsi Varietas Unggul Baru 2023*, Balai Besar Pengujian Standar Instrumen Padi, Ciasem, Subang, Jawa Barat.
- BPS (Badan Pusat Statistik) 2024, *Kecamatan Gantiwarno Dalam Angka 2023*, BPS Kabupaten Klaten.
- Campbell, JB & Wynne, RH 2011, *Introduction to Remote Sensing*, 5th edn., The Guildford Press, New York.
- Chakravarty, S, Paikaray, BK, Mishra, R, & Dash S 2021, 'Hyperspectral Image Classification using Spectral Angle Mapper', *IEEE International Women in Engineering (WIE) Conference on Electrical and Computer Engineering (WIECON-ECE)*, pp. 87-90.
- Choudhury, BU, Narzari, R, Zafar, M, Singh, N, Mishra, VK, & Prabhakar, M 2023, 'Spectral Library of Crops and Discrimination of Major Vegetables Grown in The Eastern Himalayan Ecosystem: A Proximal Hyperspectral

- Remote Sensing Approach', *Ecological Informatics*, vol. 77, no. 102263, pp. 1-13.
- Congalton, RG, & Green, K 2019, *Assesing the Accuracy of Remotely Sensed Data: Principles and Practices*, 3rd edn., CRC Press, Florida.
- Daniels, L, Eeckhout, E, Wieme, J, Dejaegher, Y, Audenaert, K, & Maes, WH 2023, 'Identifying the Optimal Radiometric Calibration Method for UAV-Based Multispectral Imaging', *Remote Sensing*, vol. 15, no. 2909, pp 1-22.
- Danoedoro, P 2012, *Penginderaan Jauh Digital*, 1st edn., Penerbit ANDI, Yogyakarta.
- Daughtry, CST, Walthall, CL, Kim, MS, Colstoun, EB, & McMurtrey, JE 2000, 'Estimating Corn Leaf Chlorophyll Concentration from Leaf and Canopy Reflectance', *Remote Sensing of Environment*, vol. 74, no. 2, pp. 229-239.
- De Datta, SK 1981, *Principles and Practices of Rice Production*, John Wiley & Sons Inc., Kanada.
- Dimiyati, M, Supriatna, Nagasawa, R, Pamungkas, FD, & Pramayuda, R 2023, 'A Comparison of Several UAV-Based Multispectral Imageries in Monitoring Rice Paddy (A Case Study in Paddy Fields in Tottori Prefecture, Japan)', *ISPRS International Journal of Geo-Information* vol. 12, no. 36, pp. 1-12.
- Dwiningsih, Y, & Al-Kahtani, J 2022, 'Rojolele: A Premium Aromatic Rice Variety in Indonesia', *Preprints*, pp. 1-14.
- Gopinath, G, Sasidharan, N, & Surendran, U 2020, 'Landuse Classification of Hyperspectral Data by Spectral Angle Mapper and Support Vector Machine in Humid Tropical Region of India', *Earth Science Informatics*, vol. 13, pp. 633-640.
- GRI SP (Global Rice Science Partnership) 2013, *Rice Almanac: Source Book for One of the Most Important Economic Activities on Earth*. International Rice Research Institute, Los Baños, Laguna, Filipina.
- Hati, JP, Samanta, S, Chaube, NR, Misra, A, Giri, S, Pramanick, N, Gupta, K, Majumdar, SD, Chanda, A, Mukhopadhyay, A & Hazra, S 2021, 'Mangrove Classification using Airborne Hyperspectral AVIRIS-NG and Comparing

with other Spaceborne Hyperspectral and Multispectral Data', *The Egyptian Journal of Remote Sensing and Space Sciences*, vol. 24, no. 2, pp. 273-281.

Huete, A, Thenkabail, PS, & Lyon, JG 2019, *Hyperspectral Remote Sensing of Vegetation - Volume I: Fundamentals, Sensor Systems, Spectral Libraries, and Data Mining for Vegetation*, 2nd edn., CRC Press, Florida.

Jensen, JR 2015, *Introductory Digital Image Processing: A Remote Sensing Perspective*, 4th edn., Pearson Prentice Hall.

Jolliffe, IT 2002, *Principal Component Analysis*, 2nd edn., Springer, New York.

Lillesand, TM, Kiefer, RW & Chipman, JW 2015, *Remote Sensing and Image Interpretation*. 7th edn., John Wiley & Sons, Inc., New Jersey.

Lisviananda, L, Sugianto, S, & Rusdi, M 2022. 'Rice Growth Phase Analysis in Pidie Regency, Indonesia using Multitemporal Sentinel-2 Image Data: A Spectral Angle Mapper Approach', *IOP Conf. Series: Earth and Environmental Science*, vol. 951, no. 012068.

Meivel, S, & Maheswari, S 2021, 'Remote Sensing Analysis of Agricultural Drone', *Journal of the Indian Society of Remote Sensing*, vol. 49., no. 3, pp. 689-701.

Monsef, HA, Smith, SE, Rowland, DL, & Rasol, NA 2019, 'Using Multispectral Imagery to Extract a Pure Spectral Canopy Signature for Predicting Peanut Maturity', *Computers and Electronics in Agriculture*, vol. 162, pp. 561-572.

Mooy, H, & Watuwaya, BK 2023, 'Peran Penginderaan Jauh dan Sistem Informasi Geografis dalam Penerapan Pertanian Cerdas di Era Industri 4.0', *artikel dipresentasikan untuk Prosiding Seminar Nasional Politeknik Pembangunan Pertanian Yogyakarta Magelang, Magelang, Jawa Tengah*, vol. 5, no. 1, pp. 120-131.

Paine, DP & Kiser, JD 2012, *Aerial Photography and Image Interpretation*, John Wiley & Sons, Inc., New Jersey.

Provinsi DIY. Surat Keputusan Gubernur DIY Nomor 319 Tahun 2024: Rencana Tata Tanam Global Serta Rencana Pembagian Dan Pemberian Air Irigasi

Pada Daerah Irigasi Kewenangan Pemerintah Daerah Daerah Istimewa Yogyakarta Tahun 2024/2025. Yogyakarta: Gubernur Provinsi DIY, 2024.

Qiu, Z, Liu, H, Wang, L, Shao, S, Chen, C, Liu, Z, Liang, S, Wang, C, & Cao, B 2024. 'Accurate Prediction of 327 Rice Variety Growth Period Based on Unmanned Aerial Vehicle Multispectral Remote Sensing', *Drones*, vol. 8, no. 665, pp. 1-18.

Rauf, U, Qureshi, WS, Jabbar, H, Zeb, A, Mirza, A, Alanazi, E, Khan, US, & Rashid, N 2022. 'A New Method For Pixel Classification For Rice Variety Identification Using Spectral And Time Series Data From Sentinel-2 Satellite Imagery', *Computers and Electronics in Agriculture*, vol. 193, no. 106731, pp. 1-10.

Sah, SS, Maulud, KNA, Sharil, S, Karim, OA, & Pradhan, B 2023. 'Monitoring of Three Stages of Paddy Growth using Multispectral Vegetation Index Derived from UAV Images', *The Egyptian Journal of Remote Sensing and Space Sciences*, vol. 26, pp. 989-998.

Sakti, ANE, Khurizil, MM, Aprilia, DN, Sudarti, & Trapsilo 2023, 'Efektifitas Drone Sebagai Media Penginderaan Jauh Untuk Pemantauan Kesehatan Tanaman', *Jurnal Technopreneur (JTech)*, vol. 11, no. 2, pp. 50-55.

Sanjaya, H, Sukotjo, BM, Jaelani, LM, Agustan, Ashar, BL, Sumargana, L, Sadmono, H, Nirwati, D, & Nuzulullia U 2022, 'Utilizing a Spectroradiometer to Build a Spectral-Library of Rice Leaves', *IEEE Asia-Pacific Conference on Geoscience, Electronics and Remote Sensing Technology (AGERS)*, pp. 119-122.

Stein, A, van der Meer, F, & Gorte, B 2002, *Spatial Statistics for Remote Sensing*, 2nd edn., Kluwer Academic Publishers, Dordrecht.

Sutanto 1987, *Penginderaan Jauh Jilid II*, Gadjah Mada University Press, Yogyakarta.

Sutanto 2016, *Metode Penelitian Penginderaan Jauh*, 2nd edn., Penerbit Ombak, Yogyakarta.

- Wijayanto, AK, Junaedi, A, Sujaswara, AA, Khamid, MBR, Prasetyo, LB, Hongo, C, & Kuze, H, 2023. 'Machine Learning for Precise Rice Variety Classification in Tropical Environments Using UAV-Based Multispectral Sensing', *AgriEngineering*, vol. 5, no. 4, pp. 2000-2019.
- Workman Jr., J, & Springsteen AW 1998, *Applied Spectroscopy : A Compact Reference for Practitioners*, Academic, London.
- Xu, S, Xu, X, Blacker, C, Gaulton, R, Zhu, Q, Yang, M, Yang, G, Zhang, J, Yang, Y, Yang, M, Xue, H, Yang, X, & Chen, L 2023, 'Estimation of Leaf Nitrogen Content in Rice Using Vegetation Indices and Feature Variable Optimization with Information Fusion of Multiple-Sensor Images from UAV', *Remote Sensing*, vol. 15, no. 854, pp. 1-24.
- Zhao, R, Li, Y & Ma, M 2021, 'Mapping Paddy Rice with Satellite Remote Sensing: A Review', *Sustainability*, vol. 13, no. 503, pp. 1-20.
- Zhang, J, He, Y, Yuan, L, Liu, P, Zhou, X & Huang Y 2019, 'Machine Learning-Based Spectral Library for Crop Classification and Status Monitoring', *Agronomy*, vol. 9, no. 496, pp. 1-17.
- Zhang, J, Wang, C, Yuan, L, Liu, P, Zhang, Y & Wu, K 2020, 'Construction of a Plant Spectral Library Based on An Optimised Feature Selection Method', *Biosystems Engineering*, vol. 195, pp. 1-16.