

DAFTAR PUSTAKA

- Agenzia Spaziale Italiana [ASI]. (2017). *PRISMA : Prodotti*. ASI.
- Ahmad, F., & Fatima, Q. (2012). Pixel Purity Index Algorithm and n-Dimensional Visualization for ETM+ Image Analysis: A Case of District Vehari. *Image Analysis*, 11.
- Alikodra, H. (2013). *Teknik Konservasi Badak Indonesia*. Literati.
- ASI. (2020). *PRISMA Product Specifications_Is2_3.pdf*. ASI.
- Bangira, T., Alfieri, S., Menenti, M., van Niekerk, A., & Vekerdy, Z. (2017). A Spectral Unmixing Method with Ensemble Estimation of Endmembers: Application to Flood Mapping in the Caprivi Floodplain. *Remote Sensing*, 9(10), 1013. <https://doi.org/10.3390/rs9101013>
- Boardman, J. W., Kruse, J. F. A., & Green, R. O. (1995). *Mapping Target Signatures via Partial Unmixing of AVIRIS Data*. 4.
- Chen, X., & Li, L. (2008). *A COMPARISON OF SPECTRAL MIXTURE ANALYSIS METHODS FOR URBAN LANDSCAPE USING LANDSAT ETM+ DATA: LOS ANGELES, CA*. 6.
- Danoedoro, P., Hafizt, M., Anggara, D. W., Wicaksono, I., Kuncara, R., Forestriko, H., & Mahmud, R. (2016). *MAPPING OF INVASIVE SPECIES (ARENGA OBTUSIFOLIA) IN JAVAN RHINOS HABITAT, UJUNG KULON BANTEN, BASED ON LANDSAT-8 IMAGE ANALYSIS AND GIS*. 37.
- Deshmukh, J., & Sawarkar, S. (2009). Relative radiometric correction of cloudy multitemporal satellite imagery. *Proceedings of the International Conference*

on Advances in Computing, Communication and Control - ICAC3 '09, 435.

<https://doi.org/10.1145/1523103.1523189>

- Drumetz, L. (2006). *Endmember variability in hyperspectral image unmixing*. 225.
- Evnike, M. F. (2013). *Pengaruh Pengendalian Langkap (*Arenga obtusifolia*) terhadap Komposisi Tumbuhan Pakan Badak Jawa (*Rhinoceros sondaicos*)*. 42.
- Febriana, I., Kusmana, C., & Rahmat, U. M. (2020). Komposisi Jenis Tumbuhan dan Analisis Sebaran Langkap (*Arenga obtusifolia* Mart.) di Taman Nasional Ujung Kulon. *Jurnal Pengelolaan Sumberdaya Alam dan Lingkungan (Journal of Natural Resources and Environmental Management)*, 10(1), 52–65.
<https://doi.org/10.29244/jpsl.10.1.52-65>
- Fernández-García, V., Marcos, E., Fernández-Guisuraga, J. M., Fernández-Manso, A., Quintano, C., Suárez-Seoane, S., & Calvo, L. (2021). Multiple Endmember Spectral Mixture Analysis (MESMA) Applied to the Study of Habitat Diversity in the Fine-Grained Landscapes of the Cantabrian Mountains. *Remote Sensing*, 13(5), 979. <https://doi.org/10.3390/rs13050979>
- Flach, M. (Ed.). (1996). *Plant resources of South-East Asia. No. 9: Plants yielding non-seed carbohydrates*. Backhuys.
- Förster, M., Schmidt, T., Wolf, R., Kleinschmit, B., Fassnacht, F. E., Cabezas, J., & Kattenborn, T. (2017). *Detecting the Spread of Invasive Species in Central Chile with a Sentinel-2 time-series*. 4.
- Franke, J., Roberts, D. A., Halligan, K., & Menz, G. (2009). Hierarchical Multiple Endmember Spectral Mixture Analysis (MESMA) of hyperspectral imagery for

urban environments. *Remote Sensing of Environment*, 113(8), 1712–1723.

<https://doi.org/10.1016/j.rse.2009.03.018>

Ghioca-Robrecht, D. M., Johnston, C. A., & Tulbure, M. G. (2008). Assessing the use of multiseason QuickBird imagery for mapping invasive species in a Lake Erie coastal Marsh. *Wetlands*, 28(4), 1028–1039. <https://doi.org/10.1672/08-34.1>

Giardino, C., Bresciani, M., Braga, F., Fabbretto, A., Ghirardi, N., Pepe, M., Gianinetto, M., Colombo, R., Cogliati, S., Ghebrehiwot, S., Laanen, M., Peters, S., Schroeder, T., Concha, J. A., & Brando, V. E. (2020). First Evaluation of PRISMA Level 1 Data for Water Applications. *Sensors*, 20(16), 4553. <https://doi.org/10.3390/s20164553>

Gould', W. (2020). *Remote Sensing of Vegetation, Plant Species Richness, and Regional Biodiversity Hotspots*. 10(6), 11.

Green, A. A., Berman, M., Switzer, P., & Craig, M. D. (1988). A transformation for ordering multispectral data in terms of image quality with implications for noise removal. *IEEE Transactions on Geoscience and Remote Sensing*, 26(1), 65–74. <https://doi.org/10.1109/36.3001>

Gunawan, W., Basuni, S., Indrawan, A., Prasetyo, L. B., & Soedjito, H. (2011). Analisis Komposisi dan Struktur Vegetasi terhadap Upaya restorasi Kawasan Hutan Taman Nasional Gunung Gede Pangrango. *Jurnal Pengelolaan Sumberdaya Alam Dan Lingkungan (Journal of Natural Resources and Environmental Management)*, 1(2), 93–105.

Hartika, M., Syamsuardi, S., & Nurainas, N. (2019). Kerapatan Dua Populasi Tumbuhan Invasif Lokal *Arenga obtusifolia* Mart. Di Cagar Alam, Sumatera

Barat. *Metamorfosa: Journal of Biological Sciences*, 6(2), 259.

<https://doi.org/10.24843/metamorfosa.2019.v06.i02.p17>

Haryanto. (1997). *Invasi Langkap 1997*. Media Konservasi Edisi Khusus.

Haryanto, & Siswoyo. (1987). *Sifat-sifat Morfologis dan Anatomis Langkap*. 105–109.

Hidayat, D. (2016). *Keanekaragaman Jenis Pakan Badak Jawa (*Rhinoceros sondaicus*) pada Habitat Rumpang di Resort Citelang Taman Nasional Ujung Kulon Pandeglang Banten*. 16(2), 6.

Hommel, P. W. F. M. (1987). *Landscape-Ecology of Ujung Kulon (West Java, Indonesia)*. Wageningen Universiteit.

Huete, A. R. (2004). Remote Sensing for Environmental Monitoring. In *Environmental Monitoring and Characterization* (pp. 183–206). Elsevier.
<https://doi.org/10.1016/B978-012064477-3/50013-8>

IUCN. (2019). *Rhinoceros sondaicus*: Ellis, S. & Talukdar, B.: *The IUCN Red List of Threatened Species 2020: e.T19495A18493900* [Data set]. International Union for Conservation of Nature. <https://doi.org/10.2305/IUCN.UK.2020-2.RLTS.T19495A18493900.en>

Jabran, K. (2017). Allelopathy: Introduction and Concepts. In K. Jabran, *Manipulation of Allelopathic Crops for Weed Control* (pp. 1–12). Springer International Publishing. https://doi.org/10.1007/978-3-319-53186-1_1

Janssens, B., & Trouwborst, A. (2018). Rhinoceros Conservation and International Law: The Role of Wildlife Treaties in Averting Megaherbivore Extinction. *Journal of International Wildlife Law & Policy*, 21(2–3), 146–189.
<https://doi.org/10.1080/13880292.2018.1483300>

- Joshi, C., de Leeuw, J., & van Duren, I. C. (2014). *Remote Sensing and GIS Application for Mapping and Spatial Modelling of Invasive Species*. 9.
- Kale, K. V., Solankar, M. M., & Nalawade, D. B. (2020). Hyperspectral Endmember Extraction Techniques. In J. Chen, Y. Song, & H. Li (Eds.), *Processing and Analysis of Hyperspectral Data*. IntechOpen.
<https://doi.org/10.5772/intechopen.88910>
- Kruse, F. A. (2002). *Comparison between AVIRIS and Hyperion for Hyperspectral Mineral Mapping*.
https://www.researchgate.net/publication/228758157_Comparison_of_AVIRIS_and_Hyperion_for_hyperspectral_mineral_mapping
- Kulkarni, A., Chong, D., & Batarseh, F. A. (2020). Foundations of data imbalance and solutions for a data democracy. In *Data Democracy* (pp. 83–106). Elsevier.
<https://doi.org/10.1016/B978-0-12-818366-3.00005-8>
- Kumar, U., Kerle, N., & Ramachandra, T. V. (2008). Constrained Linear Spectral Unmixing Technique for Regional Land Cover Mapping Using MODIS Data. In K. Elleithy (Ed.), *Innovations and Advanced Techniques in Systems, Computing Sciences and Software Engineering* (pp. 416–423). Springer Netherlands. https://doi.org/10.1007/978-1-4020-8735-6_78
- Latifiana, K., Giri, P. W., Firdaus, A. Y., Muhiban, & Anggodo. (2020). *Spatial modeling for assessing extended potential habitat of Javan rhino (*Rhinoceros sondaicus*) in Ujung Kulon National Park, Indonesia*. 020015.
<https://doi.org/10.1063/5.0015931>

- Lee, P., Carman, S., Chan, C. K., Flannery, M., Folkman, M., Iverson, K., Jarecke, P., Liao, L., Luong, K., McCuskey, J., Pearlman, J., Rasmussen, K., Segal, C., Viola, D., Watson, W., Wolpert, D., Gauthier, V., Mastandrea, A., Perron, G., & Szarek, G. (2000). *Hyperion: A 0.4 μ m—2.5 μ m Hyperspectral Image for the NASA Earth Observing-1 Mission*.
- Loizzo, R., Ananasso, C., Lopinto, E., Candela, L., & Pisani, A. R. (2016). *The Prisma Hyperspectral Mission.pdf*.
- Mahmud, R., Kartono, A. P., & Prasetyo, L. B. (2020). Preferensi Relung Pakan Badak Jawa dan Banteng. *Media Konservasi*, 25(1), 81–88. <https://doi.org/10.29244/medkon.25.1.81-88>
- Malladi, R. M. V. (2019). Cloud Masking Technique for High-Resolution Satellite Data: An Artificial Neural Network Classifier Using Spectral & Textural Context. *Journal of the Indian Society of Remote Sensing*, 10.
- Masemola, C. (2020). *Sentinel-2 time series based optimal features and time window for mapping invasive Australian native Acacia species in KwaZulu Natal, South Africa*. 13.
- Mateo-García, G., Gómez-Chova, L., Amorós-López, J., Muñoz-Marí, J., & Camps-Valls, G. (2018). Multitemporal Cloud Masking in the Google Earth Engine. *Remote Sensing*, 10(7), 1079. <https://doi.org/10.3390/rs10071079>
- McCoy, R. M. (2005). *Field methods in remote sensing*. The Guilford Press.
- Miguel, A., Veganzones, & Graria, M. (2008). Endmember Extraction Methods: A Short Review. *Knowledge-Based Intelligent Information and Engineering Systems*, 1579, 400–407. https://doi.org/10.1007/978-3-540-85567-5_50

- Mujib, M. A., Diyah, T. R., Hartono, D. P., & Murjainah. (2016). Persebaran Badak Jawa, Badak Sumatera, dan Badak India pada Masa Miosen Hingga Holosen. *JURNAL SWARNABHUMI: Jurnal Geografi Dan Pembelajaran Geografi*, Vol. I.
- Murino, L., Amato, U., Carfora, M. F., Antoniadis, A., Huang, B., Menzel, W. P., & Serio, C. (2014). Cloud Detection of MODIS Multispectral Images. *Journal of Atmospheric and Oceanic Technology*, 31(2), 347–365.
<https://doi.org/10.1175/JTECH-D-13-00088.1>
- Murphy, R. J., & Monteiro, S. T. (2013). Mapping the distribution of ferric iron minerals on a vertical mine face using derivative analysis of hyperspectral imagery (430–970 nm). *ISPRS Journal of Photogrammetry and Remote Sensing*, 11.
- Nardelli, F. (2016). *Current status and conservation prospects for the Javan rhinoceros *Rhinoceros sondaicus* Desmarest 1822*. 24.
- Niphadkar, M. (2016). *Mapping invasive species *Lantana camara* in a high diversity tropical ecosystem of Western Ghats, India*. Manipal University.
- Phinn, S., Roelfsema, C., Dekker, A., Brando, V., & Anstee, J. (2008). Mapping seagrass species, cover and biomass in shallow waters: An assessment of satellite multi-spectral and airborne hyper-spectral imaging systems in Moreton Bay (Australia). *Remote Sensing of Environment*, 112(8), 3413–3425.
<https://doi.org/10.1016/j.rse.2007.09.017>
- Pignatti, S., Acito, N., Amato, U., Casa, R., Castaldi, F., Coluzzi, R., De Bonis, R., Diani, M., Imbrenda, V., Laneve, G., Matteoli, S., Palombo, A., Pascucci, S.,

Santini, F., Simoniello, T., Ananasso, C., Corsini, G., & Cuomo, V. (2015).

Environmental products overview of the Italian hyperspectral prisma mission:

The SAP4PRISMA project. *2015 IEEE International Geoscience and Remote*

Sensing Symposium (IGARSS), 3997–4000.

<https://doi.org/10.1109/IGARSS.2015.7326701>

Pignatti, S., Acito, N., Amato, U., Casa, R., de Bonis, R., Diani, M., Laneve, G.,

Matteoli, S., Palombo, A., Pascucci, S., Romano, F., Santini, F., Simoniello, T.,

Ananasso, C., Zoffoli, S., Corsini, G., & Cuomo, V. (2012). Development of

algorithms and products for supporting the Italian hyperspectral PRISMA

mission: The SAP4PRISMA project. *2012 IEEE International Geoscience and*

Remote Sensing Symposium, 127–130.

<https://doi.org/10.1109/IGARSS.2012.6351620>

Plaza, A., Martinez, P., Perez, R., & Plaza, J. (2004). A Quantitative and Comparative

Analysis of Endmember Extraction Algorithms From Hyperspectral Data.

IEEE Transactions on Geoscience and Remote Sensing, 42(3), 650–663.

<https://doi.org/10.1109/TGRS.2003.820314>

Pouch, G. W., & Campagna, D. J. (1990). Hyperspherical Direction Cosine

Transformation for Separation of Spectral and Illumination Information in

Digital Scanner Data. *PHOTOGRAMMETRIC ENGINEERING*, 5.

Putra, W. P. B., Syamsudin, M., & Firdaus, A. Y. (2020). *Population Structure*

Analysis of Javan Rhinoceros at Ujung Kulon National Park, West Java. 26(2),

6.

- Quintano, C. (2013). Multiple Endmember Spectral Mixture Analysis (MESMA) to map burn severity levels from Landsat images in Mediterranean countries. *Remote Sensing of Environment*, 13.
- Rahmaningsih, M. D. (2013). *Penyusunan Desain Wisata Minat Khusus Berdasarkan Pola Pergerakan Badak Jawa di Taman Nasional Ujung Kulon* [Thesis]. Sekolah Pasca Sarjana Institut Pertanian Bogor.
- Rahmat, U. M. (2012). *Sebaran Spasial dan Model Kesesuaian Habitat Badak Jawa (*Rhinoceros sondaicus* Desmarest, 1822) di Taman Nasional Ujung Kulon*.
- Roberts, D. A., Gardner, M., Church, R., Ustin, S., Scheer, G., & Green, R. O. (1998). Mapping Chaparral in the Santa Monica Mountains Using Multiple Endmember Spectral Mixture Models. *Remote Sensing of Environment*, 65(3), 267–279. [https://doi.org/10.1016/S0034-4257\(98\)00037-6](https://doi.org/10.1016/S0034-4257(98)00037-6)
- Roberts, D. A., Halligan, K., Dennison, P., Dudley, K., Somers, B., & Crabbé, A. (2019). *VIPER Tools User Manual Version 2*. 92.
- Robiansyah, I., & Davy, A. J. (2015). Population Status and Habitat Preferences of Critically Endangered *Dipterocarpus littoralis* in West Nusakambangan, Indonesia. *Makara Journal of Science*, 19(4), 150–160. <https://doi.org/10.7454/mss.v19i4.5169>
- Robiansyah, I., & Hamidi, A. (2019). *Current Status of the invasive Langkap Palm (*Arenga obtusifolia*) in Indonesia: Distribution, Impact on Biodiversity and Control Management*. 8.
- Ruffin, C., & King, R. L. (1999). The analysis of hyperspectral data using Savitzky-Golay filtering-theoretical basis. 1. *IEEE 1999 International Geoscience and*

Remote Sensing Symposium. IGARSS'99 (Cat. No.99CH36293), 2, 756–758.

<https://doi.org/10.1109/IGARSS.1999.774430>

Santosa, Y., Rahmat, U. M., Prasetyo, L. B., & Kartono, A. P. (2013). *Javan Rhino (Rhinoceros sondaicus Desmarest 1822) Utilization Distribution and Habitat Selection in Ujung Kulon National Park*. 8.

Sastrapradja, S., Moge, J., Sangat, H., & Afriastini, J. (1978). *Palem Indonesia*. Lembaga Biologi Nasional - LIPI.

Schaaf, A. N., Dennison, P. E., Fryer, G. K., Roth, K. L., & Roberts, D. A. (2011). Mapping Plant Functional Types at Multiple Spatial Resolutions Using Imaging Spectrometer Data. *GIScience & Remote Sensing*, 48(3), 324–344.
<https://doi.org/10.2747/1548-1603.48.3.324>

Scheffler, D., & Karrasch, P. (2013). *Preprocessing of hyperspectral images: A comparative study of destriping algorithms for EO1-hyperion* (L. Bruzzone, Ed.; p. 88920H). <https://doi.org/10.1117/12.2028733>

Schowengerdt, R. A. (2007). *Remote sensing, models, and methods for image processing* (3rd ed). Academic Press.

Settle, J. J., & Drake, N. A. (1993). Linear mixing and the estimation of ground cover proportions. *International Journal of Remote Sensing*, 14(6), 1159–1177.
<https://doi.org/10.1080/01431169308904402>

Skowronek, S., Ewald, M., Isermann, M., Van De Kerchove, R., Lenoir, J., Aerts, R., Warrie, J., Hattab, T., Honnay, O., Schmidtlein, S., Rocchini, D., Somers, B., & Feilhauer, H. (2016). *Mapping an invasive bryophyte species using*

hyperspectral remote sensing data. 239–255. <https://doi.org/10.1007/s10530-016-1276-1>

Somers, B., & Asner, G. P. (2013). Multi-temporal hyperspectral mixture analysis and feature selection for invasive species mapping in rainforests. *Remote Sensing of Environment*, 136, 14–27. <https://doi.org/10.1016/j.rse.2013.04.006>

Sriyanto, A. (1997). *PENGELOLAAN, STRATEGI DAN RENCANA TINDAKAN KONSERVASI BADAQ JAWA DI TAMAN NASIONAL UJUNG KULON t~. 7.*

Storey, J., Choate, M., & Lee, K. (2014). Landsat 8 Operational Land Imager On-Orbit Geometric Calibration and Performance. *Remote Sensing*, 6(11), 11127–11152. <https://doi.org/10.3390/rs6111127>

Suhono, S., & Muntasib, E. K. S. H. (2001). Penggunaan Sumberdaya Air, Pakan, dan Cover oleh Badak Jawa (*Rhinoceros sondaicus*, Desmarest 1822) dan Banteng (*Bos javanicus*, d'Alton 1832) di Daerah Cikeusik dan Citadahan, Taman Nasional Ujung Kulon. *Media Konservasi*, Vol. VII, 69–74.

Supriatin. (2000). *Studi Kemungkinan Adanya Pengaruh Allelopati Langkap (Arenga obtusifolia Blume ex Mart) terhadap Pertumbuhan Semai Tumbuhan Pakan Badak Jawa (Rhinoceros sondaicus Desmarest 1822) di Taman Nasional Ujung Kulon*. Isntitut Pertanian Bogor.

Taylorl, G. R., Hemphill, P., Currie, D., Broadfoot, T., & Dehaan, R. L. (2001). *Mapping Dryland Salinity with Hyperspectral Imagery*. 3.

Thenkabail, P. S., Lyon, J. G., & Huete, A. (Eds.). (2018). *Fundamentals, Sensor Systems, Spectral Libraries, and Data Mining for Vegetation: Hyperspectral*

Remote Sensing of Vegetation (2nd ed.). CRC Press.

<https://doi.org/10.1201/9781315164151>

Tim Ekspedisi Tererstial Himabio Nymphaea. (2017). *Karakteristik habitat Badak Jawa (*Rhinoceros sondaicus sondaicus*, Desmarest 1822) di Kawasan JRSCA Taman Nasional Ujung Kulon, Banten.*

<https://www.researchgate.net/publication/317137225>

Tompkins, S. (1997). Optimization of endmembers for spectral mixture analysis.

Remote Sensing of Environment, 59(3), 472–489.

[https://doi.org/10.1016/S0034-4257\(96\)00122-8](https://doi.org/10.1016/S0034-4257(96)00122-8)

Usmadi, D. (2015). *Autekologi dan Kesesuaian Habitat Langkap (*Arenga obtusifolia*) di Cagar Alam Leuweung Sancang, Jawa Barat*. Isntitut Pertanian Bogor.

Ustin, S. L., DiPietro, D., Olmstead, K., Underwood, E., & Scheer, G. J. (2002).

Hyperspectral remote sensing for invasive species detection and mapping.

IEEE International Geoscience and Remote Sensing Symposium, 3, 1658–

1660. <https://doi.org/10.1109/IGARSS.2002.1026212>

Wu, C. (2004). Normalized spectral mixture analysis for monitoring urban composition

using ETM+ imagery. *Remote Sensing of Environment*, 93(4), 480–492.

<https://doi.org/10.1016/j.rse.2004.08.003>

Zhu, Z., & Woodcock, C. E. (2012). Object-based cloud and cloud shadow detection

in Landsat imagery. *Remote Sensing of Environment*, 118, 83–94.

<https://doi.org/10.1016/j.rse.2011.10.028>