

## DAFTAR PUSTAKA

- Adiri, Z., Lhissou, R., El Harti, A., Jellouli, A., and Chakouri, M., 2020, Recent advances in the use of public domain satellite imagery for mineral exploration: A review of Landsat-8 and Sentinel-2 applications: Ore Geology Reviews, v. 117, doi:10.1016/j.oregeorev.2020.103332.
- Aquino, D. do N., Rocha Neto, O.C. da, Moreira, M.A., Teixeira, A. dos S., and Andrade, E.M. de, 2018, Use of remote sensing to identify areas at risk of degradation in the semi-arid region: REVISTA CIÊNCIA AGRONÔMICA, v. 49, doi:10.5935/1806-6690.20180047.
- Badan Informasi Geospasial DEMNAS Kabupaten Dompu skala 1:50000:, <https://tanahair.indonesia.go.id/demnas> (accessed November 2023).
- Badan Informasi Geospasial, 2023, Peta Rupa Bumi Provinsi Nusa Tenggara Barat: <https://tanahair.indonesia.go.id/portal-web>,.
- Bell, G.E., Howell, B.M., Johnson, G.V., Raun, W.R., Solie, J.B., and Stone, M.L., 2004, Optical Sensing of Turfgrass Chlorophyll Content and Tissue Nitrogen: HortScience, v. 39, p. 1130–1132, doi:10.21273/HORTSCI.39.5.1130.
- van Bemmelen, R.W., 1949, The Geology of Indonesia: The Hague, Government Printing Office.
- Burrows, D.R., Rennison, M., Burt, D., and Davies, R., 2020, The onto Cu-Au discovery, eastern Sumbawa, Indonesia: A large, middle pleistocene lithocap-hosted high-sulfidation covellite-pyrite porphyry deposit: Economic Geology, v. 115, p. 1385–1412, doi:10.5382/ECONGEO.4766.
- Carranza, E.J.M., 2011, Geocomputation of mineral exploration targets: Computers and Geosciences, v. 37, p. 1907–1916, doi:10.1016/j.cageo.2011.11.009.
- Carranza, E.J.M., and Hale, M., 2002, Mineral imaging with Landsat Thematic Mapper data for hydrothermal alteration mapping in heavily vegetated terrane:



International Journal of Remote Sensing, v. 23, p. 4827–4852,  
doi:10.1080/01431160110115014.

Carranza, E.J.M., and Hale, M., 2001, Remote detection of vegetation stress for mineral exploration, *in* International Geoscience and Remote Sensing Symposium (IGARSS), v. 3, p. 1324–1326, doi:10.1109/igarss.2001.976833.

Department of the Interior U.S. Geological Survey, 2019, Landsat 7 (L7) Data Users Handbook.:

Earth Resources Observation and Science (EROS) Center, 2015, Comparison of Landsat 7 and 8 bands with Sentinel-2:, <https://www.usgs.gov/index.php/faqs/how-does-data-sentinel-2as-multispectral-instrument-compare-landsat-data> (accessed November 2023).

European Space Agency (ESA), 2015, Sentinel-2 User Handbook: European Space Agency.

Fadlin, Takahashi, R., Agangi, A., Sato, H., Idrus, A., Sutopo, B., and Pratiwinda, R., 2023, Geology, mineralization and calcite-rich potassic alteration at the Humpa Leu East ( HLE ) porphyry Cu-Au prospect, Hu'u district, Sumbawa Island, Indonesia : Resource Geology, v. 73, doi:10.1111/rge.12309.

Garwin, S.L., 2000, The Setting, Geometry and Timing of Intrusion-Related Hydrothermal Systems in the Vicinity of the Batu Hijau Porphyry Copper-Gold Deposit, Sumbawa, Indonesia: University of Western Australia.

Gitelson, A.A., Kaufman, Y.J., and Merzlyak, M.N., 1996, Use of a green channel in remote sensing of global vegetation from EOS-MODIS: Remote Sensing of Environment, v. 58, p. 289–298, doi:10.1016/S0034-4257(96)00072-7.

Goetz, A.F.H., Rock, B.N., and Rowan, L.C., 1983, Remote sensing for exploration; an overview: Economic Geology, v. 78, p. 573–590, doi:10.2113/gsecongeo.78.4.573.



Google Maps, 2023, Map of Sumbawa Island:

<https://earth.google.com/web/search/sumbawa/@-8.59483615,117.953844,-0.83218818a,294220.11079072d,35y,0h,0t,0r/data=CigiJgokCSypP2MFsCHAEf8dRI3ttCHAGQCTiE-mml1AIXoG-6s2mV1AOgMKATA,>.

Guntoro, A., 2000, Nusa Tenggara Islands, *in* Darman, H. and Sidi, F.H. eds., *An Outline of The Geology of Indonesia*, Jakarta Selatan, Ikatan Ahli Geologi Indonesia, p. 121–130.

Harrison, R.L., Maryono, A., Norris, M.S., Rohrlach, B.D., Cooke, D.R., Thompson, J.M., Creaser, R.A., and Thiede, D.S. Geochronology of the Tumpangpitu porphyry gold-copper-molybdenum and high-sulfidation epithermal gold-silver-copper deposit-Evidence for pre-and post-mineralization diatremes in the Tujuh Bukit district, Southeast Java, Indonesia.:

Hede, A.N.H., Koike, K., Kashiwaya, K., Sakurai, S., Yamada, R., and Singer, D.A., 2017, How can satellite imagery be used for mineral exploration in thick vegetation areas? *Geochemistry, Geophysics, Geosystems*, v. 18, p. 584–596, doi:10.1002/2016GC006501.

Hupel, T., and Stütz, P., 2022, Adopting Hyperspectral Anomaly Detection for Near Real-Time Camouflage Detection in Multispectral Imagery: *Remote Sensing*, v. 14, doi:10.3390/rs14153755.

Kementerian Energi dan Sumber Daya Mineral Republik Indonesia Peta Wilayah IUP Indonesia: <https://geoportal.esdm.go.id/minerba/>.

Koesoemadinata, R.P., 2020, *An Introduction Into The Geology of Indonesia: Ikatan Alumni Geologi Institut Teknologi Bandung*, v. II.

Lausch, A., Erasmi, S., King, D.J., Magdon, P., and Heurich, M., 2016, Understanding forest health with remote sensing-Part I-A review of spectral traits, processes and remote-sensing characteristics: *Remote Sensing*, v. 8, doi:10.3390/rs8121029.



- van Leeuwen, T.M., 1994, 25 years of mineral exploration and discovery in Indonesia: Journal of Geochemical Exploration, v. 50, p. 13–90, doi:10.1016/0375-6742(94)90021-3.
- van Leeuwen, T.M., and Rompo, I., 2022, MGEI Special Book Publication High Sulfidation Au (-Ag-Cu) Deposits in Indonesia : A Review:
- Li, Z., Li, X., Wei, D., Xu, X., and Wang, H., 2010, An assessment of correlation on MODIS-NDVI and EVI with natural vegetation coverage in Northern Hebei Province, China: Procedia Environmental Sciences, v. 2, p. 964–969, doi:10.1016/j.proenv.2010.10.108.
- Lilliesand, T.M., Kiefer, R.W., and Chipman, J.W., 2015, Remote Sensing and Image Interpretation: Wiley.
- Mangewa, L.J., Ndakidemi, P.A., Alward, R.D., Kija, H.K., Bukombe, J.K., Nasolwa, E.R., and Munishi, L.K., 2022, Comparative Assessment of UAV and Sentinel-2 NDVI and GNDVI for Preliminary Diagnosis of Habitat Conditions in Burunge Wildlife Management Area, Tanzania: Earth (Switzerland), v. 3, p. 769–787, doi:10.3390/earth3030044.
- Maryono, A., Harrison, R.L., Cooke, D.R., Rompo, I., and Hoschke, T.G., 2018, Tectonics and geology of porphyry Cu-Au deposits along the eastern Sunda magmatic arc, Indonesia: Economic Geology, v. 113, p. 7–38, doi:10.5382/econgeo.2018.4542.
- Meldrum, S.J., Aquino, R.S., Gonzales, R.I., Burke, R.J., Suyadi, A., Irianto, B., and Clarke, D.S., 1994, The Batu Hijau porphyry copper-gold deposit, Sumbawa Island, Indonesia: Journal of Geochemical Exploration, v. 50, p. 203–220, doi:10.1016/0375-6742(94)90025-6.
- Pirajno, F., 1992, Hydrothermal Mineral Deposits: Springer Berlin Heidelberg, doi:10.1007/978-3-642-75671-9.
- Pratama, M.I.C., 2022, GEOLOGI BAWAH PERMUKAAN SISTEM PANAS BUMI CANGGA-PUMA BERDASARKAN SUMUR 082 DAN 097,



KABUPATEN DOMPU, PULAU SUMBAWA, NUSA TENGGARA BARAT:  
Institut Teknologi Bandung.

PT Sumbawa Timur Mining, 2019, PT Sumbawa Timur Mining Mineral Resource Estimate Statement.:

Racetin, I., and Krtalić, A., 2021, Systematic review of anomaly detection in hyperspectral remote sensing applications: Applied Sciences (Switzerland), v. 11, doi:10.3390/app11114878.

Richards, J.A., 2013, Remote Sensing Digital Image Analysis: Berlin, Heidelberg, Springer Berlin Heidelberg, doi:10.1007/978-3-642-30062-2.

Ridley, J., 2013, Ore Deposit Geology: Cambridge University Press, doi:10.1017/CBO9781139135528.

Sillitoe, R.H., 2010, Porphyry Copper Systems: Economic Geology, v. 105, p. 3–41, doi:10.2113/gsecongeo.105.1.3.

Sundhoro, H., Bakrun, Sulaeman, B., Situmorang, T., Sunardi, E., Imanuel, M., Risdianto, D., and Liliek, R., 2005, Survei Panas Bumi Terpadu (Geologi, Geokimia, Geofisika) Daerah Hu'u, Kabupaten Dompus, Provinsi Nusa Tenggara Barat:

Verdiansyah, O., Idrus, A., Setijadji, L.D., Sutopo, B., and Sukadana, I.G., 2022, VEINS SYSTEM AND THEIR MINERALOGICAL AND MICROTHERMOMETRIC CHARACTERISTICS WITHIN THE HUMPA LEU EAST PORPHYRY COPPER-GOLD MINERALIZATION AT HU'U DISTRICT, SUMBAWA ISLAND, INDONESIA: Jurnal Teknologi, v. 84, p. 35–49, doi:10.11113/jurnalteknologi.v84.17906.

Weng, Q., 2009, Remote sensing and GIS integration: McGraw-Hill Education, 416 p.

Ziemann, A., Simonoko, H., and Flynn, E., 2020, Temporal Anomaly Detection in Multispectral Imagery, *in* International Geoscience and Remote Sensing



Symposium (IGARSS), Institute of Electrical and Electronics Engineers Inc.,  
p. 3975–3978, doi:10.1109/IGARSS39084.2020.9324627.

