

DAFTAR PUSTAKA

- Ainiyah, U., Sudarti, & Yushardi. (2024). Analisis Pengaruh Radiasi Matahari Terhadap Perubahan Suhu di Sumbersari Jember. *Jurnal Fisika Papua*, 3(1), 37-40.
- Akbar, T., & Sosilawati, E. (2019). Menghitung Cadangan Karbon yang Tersimpan di Taman Purbakala Bukit Siguntang Palembang Sumatera Selatan. *Sylva: Jurnal Penelitian Ilmu-Ilmu Kehutanan*, 8(1), 21-29.
- Allen, D. C. (2016). Microclimate Modification by Riparian Vegetation Affects The Structure and Resource Limitation of Arthropod Communities. *Ecosphere*, 7(2), e01200.
- Amouzgar, L., Ghorbani, J., Shokri, M., Marrs, R. H., & Alday, J. G. (2020). Pteridium Aquilinum Performance is Driven by Climate, Soil and Land-Use in Southwest Asia. *Folia Geobotanica*, 55(4), 301-314.
- Amputu, V., Joubert, D. F., & Mapaure, I. (2019). Vegetation Secondary Succession in Response to Time Since Last Fire in A Broad-Leaved Savanna in Central Namibia. *Namibian Journal of Environment*, 3, A-65.
- Antar, G. M., Pivello, V. R., Gerolamo, C. S., Nogueira, A., & Sano, P. T. (2022). Herb–Subshrub Diversity in Open Savanna Sites With Distinct Fire Regimes in The Jalapão Region, Brazil. *Journal of Tropical Ecology*, 38(6), 331-339.
- Arifin, Z. (2014). Kebakaran Terbesar Savana Gunung Bromo Terjadi Pada 2014. <https://www.liputan6.com/news/read/2123831/kebakaran-terbesar-savana-gunung-bromo-terjadi-pada-2014>. Diakses pada 12 Desember 2024.
- Astuti, Y., Astiani, D., & Herawatiningsih, R. (2020). Pengaruh Pembakaran Berulang Pada Lahan Gambut Terhadap Beberapa Karakteristik Tanah di Desa Rasau Jaya Umum Kabupaten Kubu Raya Kalimantan Barat. *Jurnal hutan lestari*, 8(3).
- Asyari, H., Firmansyah, R. A., & Kusban, M. (2020). Analisa Tingkat Potensi Sinar Matahari Untuk Pembangkit Listrik Tenaga Surya di Daerah

Pantai. *Prosiding Simposium Nasional Rekayasa Aplikasi Perancangan dan Industri*, 82-89.

Ayunin, S. Q. (2010). *Analisis Vegetasi di Savana Taman Nasional Bromo Tengger Semeru (TN-BTS)*. (Skripsi tidak diterbitkan). Universitas Islam Negeri Maulana Malik Ibrahim Malang.

Badan Penanggulangan Bencana Daerah Probolinggo. (2018). Kebakaran Hutan dan Lahan Kawasan Savana Gunung Bromo.

<https://bpbd.probolingkokab.go.id/berita/kebakaran-hutan-dan-lahan-kawasan-savana-gunung-bromo>. Diakses pada 29 Desember 2024.

Badan Standardisasi Nasional. (2019). *SNI 7724:2019: Pengukuran dan penghitungan cadangan karbon - Pengukuran lapangan untuk penaksiran cadangan karbon berbasis lahan*. Jakarta (ID): Badan Standardisasi Indonesia.

Balai Besar Taman Nasional Bromo Tengger Semeru. (2014). *Rencana Pengelolaan Jangka Panjang Taman Nasional Bromo Tengger Semeru Periode Tahun 2015 – 2024 Kabupaten Malang, Pasuruan, Probolinggo dan Lumajang Propinsi Jawa Timur*.

Biko'o, A. A., Myburgh, W. J., & Reilly, B. K. (2025). Contrasting Herbaceous Communities in South African Savannas: A Comparative Analysis of Density, Composition, and Diversity Across Three Bioregions. *Diversity*, 17(7), 475.

Borghetti, F., Barbosa, E., Ribeiro, L., Ribeiro, J.F. and Walter, B.M.T. (2019). South American Savannas. In *Savanna Woody Plants and Large Herbivores* (eds P.F. Scogings and M. Sankaran). <https://doi.org/10.1002/9781119081111>.

Calderisi, G., Salaris, E., Cogoni, D., Rossetti, I., Murtas, F., & Fenu, G. (2025). Relationship Between Post-Fire Vegetation Recovery and Soil Temperature in the Mediterranean Forest. *Fire*, 8(3), 91.

Carvalho, T. F., Carvalho, A. C., Zanuncio, J. C., de Oliveira, M. L. R., Machado, E. L. M., José, A. C., ... & Pereira, I. M. (2022). Does Invasion by *Pteridium Aquilinum* (Dennstaedtiaceae) Affect the Ecological

- Successioni in Atlantic Forest Areas After a Fire?. *Environmental Science and Pollution Research*, 29(10), 14195-14205.
- Chen, C., Wen, Y., He, B., Yang, Y., Han, X., Sun, T., & Lu, X. (2023). Environmental Factors Driving the Succession and Differentiation of Ecological Strategy Spectrum in Tropical Lowland Rain Forest. *Ecological Indicators*, 147, 110002.
- De Sales, F., Werner, Z., & de Souza Ribeiro, J. G. (2023). Quantifying Fire-Induced Surface Climate Changes in The Savanna and Rainforest Biomes of Brazil. *Fire*, 6(8), 311.
- Djufri, D. (2012). Analisis Vegetasi Pada Savana Tanpa Tegakan Akasia (*Acacia nilotica*) Di Taman Nasional Baluran Jawa Timur. *Biologi Edukasi: Jurnal Ilmiah Pendidikan Biologi*, 4(2), 104-111.
- Dudley, N., Eufemia, L., Petersen, I., Fleckenstein, M., Campari, J., Periago, M. E., Miñarro, F. O., Siqueira, C., Timmers, J. F., Rincón, S., Musálem, K., Rendón, E., Forero, D. C., Kauffman, M., Miaro III, L., Burns, A., Ge, Z., Pereladova, O., Buyanaa, C., ... McConnel, I. (2020). Grassland and savannah ecosystems: An urgent need for conservation and sustainable management. Berlin : WWF Germany.
- Dueñas-López, M. A. (2022). *Eragrostis amabilis* (Japanese lovegrass). In CABI Compendium. CABI International.
<https://doi.org/10.1079/cabicompendium>.
- Febrianto, V. (2023). *Savana Bromo Kembali Hijau Setelah Terbakar Akibat Suar*. Antara News. <https://www.antaranews.com/berita/3774519/savana-bromo-kembali-hijau-setelah-terbakar-akibat-suar>. Diakses pada 6 November 2024.
- Filipov, F., & Chiorescu, E. (2021). Equisetum arvense L. as a bioindicator of acid soils. *Scientific Papers. Series A. Agronomy*, 64(1).
- Fitriani, A., Hatta, G. M., & Asrar, K. (2016). Perbandingan Iklim Mikro pada Hutan Sekunder yang Terjadi Sukseksi di Tahura Sultan Adam Mandiangin Kabupaten Banjar Kalimantan Selatan. *Jurnal Hutan Tropis*, 4(2), 154-166.

- Fitri, A., Rahim, R., Nurhayati, N., Azis, A., Pagiling, S. L., Natsir, I., ... & Anugrah, N. E. (2023). *Dasar-dasar Statistika untuk Penelitian*. Medan : Yayasan Kita Menulis.
- Gaol, M. L., & Mudita, I. W. (2022) The Herbaceous Species Tropical Savanna of West Timor Indonesia: Structure and Composition Pattern. *Asian Journal of Environment & Ecology*, 18(3), 57-76.
- Gold, Z. J., Pellegrini, A. F., Refsland, T. K., Andrioli, R. J., Bowles, M. L., Brockway, D. G., ... & Staver, A. C. (2023). Herbaceous Vegetation Responses to Experimental Fire in Savannas and Forests Depend on Biome and Climate. *Ecology letters*, 26(7), 1237-1246.
- Gomes, L., Miranda, H. S., Soares-Filho, B., Rodrigues, L., Oliveira, U., & Bustamante, M. M. (2020). Responses of Plant Biomass in The Brazilian Savanna to Frequent Fires. *Frontiers in Forests and Global Change*, 3, 507710.
- Gough, C. M., Buma, B., Jentsch, A., Mathes, K. C., & Fahey, R. T. (2024). Disturbance theory for ecosystem ecologists: A primer. *Ecology and Evolution*, 14(6), e11403.
- Grime, J. P. (1971). *Plant Strategies and Vegetative Processes*. New York: Wiley.
- Guevara, C., Gonzalez-Benecke, C., & Wightman, M. (2021). Ground Cover—Biomass Functions for Early-Seral Vegetation. *Forests*, 12(9), 1272.
- Gunawan, H. (2015). Sukseksi Sekunder Hutan Terganggu Bekas Perambahan di Taman Nasional Gunung Ciremai. Jawa Barat. *Prossemnas Masyarakat Biodiversitas Indonesia*, 1(7).
- Hadiyantini, F., Sukmawati, D., & Gantini, T. (2022). Partisipasi Masyarakat dalam Program Gerakan Tanam dan Pelihara 50 Juta Pohon terhadap Tingkat Penjualan Bibit Tanaman Hutan di Provinsi Jawa Barat (Suatu Kasus pada Pengada/Pengedar Bibit Tanaman Hutan di Provinsi Jawa Barat). *Paspalum: Jurnal Ilmiah Pertanian*, 10(2), 200-209.
- He, G., Shi, Z., Fang, H., Shi, L., Wang, Y., Yang, H., ... & Jiang, Q. (2024). Climate and Soil Stressed Elevation Patterns of Plant Species to Determine

- The Aboveground Biomass Distributions in A Valley-Type Savanna. *Frontiers in Plant Science*, 15, 1324841.
- Hoecker, T. J., Hansen, W. D., & Turner, M. G. (2020). Topographic Position Amplifies Consequences of Short-Interval Stand-Replacing Fires on Postfire Tree Establishment in Subalpine Conifer Forests. *Forest Ecology and Management*, 478, 118523.
- Huang, Y., Stein, G., Kolle, O., Kübler, K., Schulze, E. D., Dong, H., ... & Eisenhauer, N. (2023). Enhanced Stability of Grassland Soil Temperature by Plant Diversity. *Nature Geoscience*, 17(1), 44-50.
- Indriyanto. (2019). *Ekologi hutan*. Jakarta: Bumi Aksara.
- Koffi, K. F., N'Dri, A. B., Lata, J. C., Konaté, S., Srikanthasamy, T., Konan, M., & Barot, S. (2019). Effect of Fire Regime on The Grass Community of The Humid Savanna of Lamto, Ivory Coast. *Journal of Tropical Ecology*, 35(1), 1-7.
- Kokila, A., Nagarajaiah, C., Hanumanthappa, C. D., Shivanna, B., Sathish, K., & Mahadevamurthy, M. (2024). Effect of Tree Canopy Cover on Soil Moisture Dynamics in Different Agroforestry Systems Under Semi-Arid Condition. *Int. J. Environ. Clim. Change*, 14, 485-495.
- Komul, Y. D., & Hitipeuw, J. C. (2022). Kelimpahan Jenis Vegetasi Hutan Sekunder Bekas Kebakaran di Desa Kamal Kabupaten Seram Bagian Barat. *Jurnal Hutan Pulau-Pulau Kecil*, 6(1), 13-21.
- Kurniawan, H., & Yuniarti, D. (2015). Potensi Simpanan Karbon Pada Tiga Tipe Savana di Nusa Tenggara Timur. *Jurnal Penelitian Kehutanan Wallacea*, 4(1), 51-62.
- Lisovski, S., Bauer, S., Briedis, M., Davidson, S. C., Dhanjal-Adams, K. L., Hallworth, M. T., ... & Bridge, E. S. (2020). Light-Level Geolocator Analyses: A User's Guide. *Journal of Animal Ecology*, 89(1), 221-236.
- Masihaji, R., & Asiah, S. (2024). Komposisi, Struktur, dan Pola Distribusi Vegetasi Sekitar Telaga Nita Kelurahan Sulamadaha Kecamatan Pulau Ternate Kota Ternate. *Jurnal Forest Island*, 2(3), 11-24.

- McDonald, J. H. (2014). *Handbook of Biological Statistics 3rd edition*. Baltimore: Sparky House Publishing.
- Mishra, N. B., & Young, K. R. (2020). Savannas and Grasslands. *Terrestrial ecosystems and biodiversity*, 235-247.
- Mudiana, D. (2008). Habitat study of *Styphelia abnormis* (Sond.) JJ Smith. in Manitalu Hill, East Waigeo Nature Reserve, Waigeo Island, West Papua. *Biodiversitas Journal of Biological Diversity*, 9(2).
- Najla, N., Basri, H., & Muslih, A. M. (2024). Pengaruh Kerapatan Vegetasi terhadap Iklim Mikro pada Objek Wisata dalam Kawasan Taman Wisata Alam Pulau Weh Kota Sabang. *Jurnal Ilmiah Mahasiswa Pertanian*, 9(2), 388-398.
- Neri, S. C. M., Bomfim, B., Pereira, R. S., dos Santos, P. V., & Tetto, A. F. (2023). Decadal Fire Effects on The Structure, Composition, Diversity, and Aboveground Carbon Stocks of A Neotropical Savanna. *Forests*, 14(12), 2294.
- Novitasari, R. (2018). *Dinamika Vegetasi Pada Padang Savana Bekas Terbakar di Taman Nasional Bromo Tengger Semeru (TNBTS)*. (Skripsi tidak diterbitkan). IPB University.
<http://repository.ipb.ac.id/handle/123456789/93201>.
- Nurhaswinda, N., Zulkifli, A., Gusniati, J., Zulefni, M. S., Afendi, R. A., Asni, W., & Fitriani, Y. (2025). Tutorial Uji Normalitas dan Uji Homogenitas dengan Menggunakan Aplikasi SPSS. *Jurnal Cahaya Nusantara*, 1(2), 55-68.
- Odum, P.E. (1993). *Dasar-Dasar Ekologi*. Terjemahan Ir. Thahjono Samingan, M.Sc. Yogyakarta : Gadjah Mada University Press.
- Pellegrini, A. F., Refsland, T., Averill, C., Terrer, C., Staver, A. C., Brockway, D. G., ... & Jackson, R. B. (2021). Decadal Changes in Fire Frequencies Shift Tree Communities and Functional Traits. *Nature Ecology & Evolution*, 5(4), 504-512.

- Peltzer, D. A., Wardle, D. A., Allison, V. J., Baisden, W. T., Bardgett, R. D., Chadwick, O. A., ... & Walker, L. R. (2010). Understanding ecosystem retrogression. *Ecological Monographs*, 80(4), 509-529.
- Perdinan, Tjahjono, R. E. P., Infracawan, D. Y. D., Armanto, A. N., Pratiwi, S. D., Putra, E. I., Oktaviani, S., ... & Mayor, J. (2024). Management Strategies of Tropical Savanna Ecosystem for Multiple Benefits of Community Livelihoods in Semiarid Region of Indonesia. *World Development Sustainability*, 4, 100137.
- Quraisy, A. (2020). Normalitas Data Menggunakan Uji Kolmogorov-Smirnov dan Saphiro-Wilk: Studi kasus penghasilan orang tua mahasiswa Prodi Pendidikan Matematika Unismuh Makassar. *J-HEST Journal of Health Education Economics Science and Technology*, 3(1), 7-11.
- Ratna, Y., Swari, E. I., & Firmansyah, A. (2022). Pertumbuhan Gulma Alang-Alang (*Imperata Cylindrica* L. Beauv.) Pada Berbagai Kondisi Kepadatan Setelah Pemoangan di Petrochina International Jabung Ltd. *Jurnal Media Pertanian*, 7(1), 50-60.
- Rawlik, M., & Jagodziński, A. M. (2020). Seasonal Dynamics of Shoot Biomass of Dominant Clonal Herb Species in An Oak–Hornbeam Forest Herb Layer. *Plant Ecology*, 221(11), 1133-1142.
- Raouj, N., Harrouni, M. C., Baamal, L., & Tlemçani, N. B. (2023). Effect of Vegetation Shade on Soil Temperature. *African Journal on Land Policy and Geospatial Sciences*, 6(4), 710-724.
- Resosoedarmo, S. (1989). *Pengantar Ekologi*. Bandung : Remaja Karya.
- Ribeiro, N., Ruecker, G., Govender, N., Macandza, V., Pais, A., Machava, D., ... & Bandeira, R. (2019). The Influence of Fire Frequency on The Structure and Botanical Composition of Savanna Ecosystems. *Ecology and evolution*, 9(14), 8253-8264.
- Riwu Kaho, L. M. (2015). Karakteristik ekologi dan pengelolaan savanna di Nusa Tenggara Timur. *Prosiding Seminar Nasional "Biodiversitas Savana di Nusa Tenggara"*, Kupang, 24 November 2015 (pp. 157 – 166). Balai Penelitian dan Pengembangan Lingkungan Hidup dan Kehutanan Kupang.

- Rodrigues, C. A., & Fidelis, A. (2022). Should We Burn The Cerrado? Effects of Fire Frequency on Open Savanna Plant Communities. *Journal of Vegetation Science*, 33(6), e13159.
- Rosianty, Y., Lensari, D., & Handayani, P. (2019). Pengaruh Sebaran Vegetasi Terhadap Suhu dan Kelembaban Pada Taman Wisata Alam (TWA) Punti Kayu Kota Palembang. *Sylva Jurnal Ilmu-ilmu Kehutanan*, 7(2), 68-77.
- Santi, S., Belinda, S., & Rianty, H. (2019). Identifikasi Iklim Mikro dan Kenyamanan Termal Ruang Terbuka Hijau di Kendari. *NALARs*, 18(1), 23-34.
- Saputra, D. D., Putra, A. N., Sari, R. R., Ishaq, R. M., Hadiwijoyo, E., Hadi, M., & Suprayogo, D. (2024). Stay on Trails: Detrimental Effects of Recreational Activities on Soil Compaction and Infiltration. *Journal of Degraded and Mining Lands Management*, 11(4), 6213-6223.
- Slik, J. F., Bernard, C. S., Van Beek, M., Breman, F. C., & Eichhorn, K. A. 2008. Tree Diversity, Composition, Forest Structure and Aboveground Biomass Dynamics After Single and Repeated Fire in A Bornean Rain Forest. *Oecologia*, 158(3), 579-588.
- Smith, R. L., & Smith T. M. (2015). *Elements of Ecology (9th ed.)*. Pearson Education.
- Subashree, K., & Sundarapandian, S. (2017). Biomass and Carbon Stock Assessment in Two Savannahs Of Western Ghats, India. *Taiwania*, 62(3).
- Sulfayanti, R., Dirhamzah, D., & Nurindah, N. (2023). Analisis Vegetasi Tumbuhan Bawah di Kawasan Hutan Konservasi Topidi Kecamatan Tinggimoncong Kabupaten Gowa. *Filogeni: Jurnal Mahasiswa Biologi*, 3(1), 38-43.
- Sutomo. (2016). Asal Usul Formasi Savana: Tinjauan dari Nusa Tenggara Timur dan Hasil Penelitian di Baluran Jawa Timur [Origin of savanna formation: Literature review from East Nusa Tenggara and research results from Baluran East Java Indonesia]. *Edith Cowan University*.
- Sutomo, S., Darma, I. D. P., & Iryadi, R. (2020). The Dissimilarity in Plant Species Composition of Savanna Ecosystem Along The Elevation

- Gradient on Flores Island, East Nusa Tenggara, Indonesia. *Biodiversitas Journal of Biological Diversity*, 21(2).
- Tempo. (2023). Menteri LHK Siti Nurbaya: Luas Area Terbakar Gunung Bromo Hampir Seribu Hektare. Tekno Tempo. <https://tekno.tempo.co/read/1775512/menteri-lhk-siti-nurbaya-luas-area-terbakar-gunung-bromo-hampir-seribu-hektare>. Diakses pada 6 November 2024.
- Trang, P. T., Andrew, M. E., & Enright, N. J. (2023). Burn Severity and Proximity to Undisturbed Forest Drive Post-Fire Recovery in The Tropical Montane Forests of Northern Vietnam. *Fire ecology*, 19(1), 47.
- TV One News. (2023). Dinyatakan Sudah Padam Semua, Luas Area Kebakaran Gunung Bromo Mencapai 504 Hektar. TV One News. <https://www.tvonenews.com/berita/nasional/153119-dinyatakan-sudah-padam-semua-luas-area-kebakaran-gunung-bromo-mencapai-504-hektar?page=1>. Diakses pada 6 November 2024.
- Utomo, A. S., Syam'ani & Kanti, R. (2020). Perbandingan Metode Interpolasi Geostatistik Untuk Hutan Alam. *Jurnal Sylva Scientae*, 2(3), 548-557.
- Wibowo, F., Nugroho T., Bagas P., & Tria W. 2024. Dampak Pasca Kebakaran Hutan terhadap Sifat Fisik dan Sifat Kimia Tanah di Gunung Panderman. *Jurnal Penelitian Hutan Tanaman*, 21(1), 36-47.
- Wolf, K. D., Higuera, P. E., Davis, K. T., & Dobrowski, S. Z. (2021). Wildfire Impacts on Forest Microclimate Vary with Biophysical Context. *Ecosphere*, 12(5), e03467.
- Xu, X., Konings, A. G., Longo, M., Feldman, A., Xu, L., Saatchi, S., ... & Moorcroft, P. (2021). Leaf Surface Water, Not Plant Water Stress, Drives Diurnal Variation in Tropical Forest Canopy Water Content. *New Phytologist*, 231(1), 122-136.
- Yanne, Y., Ludang, Y., & Supriyati, W. (2022). Beberapa Tanaman Pasca Kebakaran di Desa Trahean Kabupaten Barito Utara Kalimantan Tengah. *Agrienvi: Jurnal Ilmu Pertanian*, 16(1), 26-40.

Zhang, Q., Barnes, M., Benson, M., Burakowski, E., Oishi, A. C., Ouimette, A., ... & Novick, K. A. (2020). Reforestation and Surface Cooling in Temperate Zones: Mechanisms and implications. *Global change biology*, 26(6), 3384-3401.

Zulharman, Z. (2017). Invasive Foreign Vegetation Analysis on Forest Revitalization Area Block Argowulan National Park Bromo Tengger Semeru National Park. Natural B, *Journal of Health and Environmental Sciences*, 4(1), 78-87.