



DAFTAR PUSTAKA

- Afrianto WF, Hikmat A, Widyatmoko D. 2016. Komunitas Floristik dan Suksesi Vegetasi Setelah Erupsi 2010 di Gunung Merapi Jawa Tengah 12:265–276.
- Akbar A. 2016. Pemahaman dan Solusi Masalah Kebakaran Hutan di Indonesia. Halaman (Wibowo A, Setio P, Hadi TS, editor). Forda Press, Bogor.
- Anesta AF, Fatman AF, Sugandi M. 2020. Zonasi Distribusi Tanaman Hutan di Taman Nasional Gunung Semeru Berdasarkan Integrasi Nilai Indeks Vegetasi dan Digital Elevation Model. *Jurnal Geosains dan Remote Sensing (JGRS)* 1:64–70.
- Anonim. 2014. Rencana Pengelolaan Jangka Panjang Taman Nasional Gunung Merbabu Periode (2014-2023). Balai Taman Nasional Gunung Merbabu, Boyolali.
- Anonim. 2018a. Statistik Direktorat Jenderal Konservasi Sumber Daya Alam dan Ekosistem. Direktorat Jenderal Konservasi Sumber Daya Alam dan Ekosistem, Jakarta.
- Anonim. 2018b. Revisi Rencana Pengelolaan Jangka Panjang Taman Nasional Gunung Merbabu Periode 2019-2023. Balai Taman Nasional Gunung Merbabu, Boyolali.
- Araújo FDC, Tng DYP, Apgaua DMG, Coelho PA, Pereira DGS, Santos RM. 2017. Post-fire plant regeneration across a closed forest-savanna vegetation transition. *Forest Ecology and Management* 400:77–84.
- Ardhana IPG. 2012. Ekologi tumbuhan. Udayana University Press, Denpasar.
- Arrijani. 2008. Struktur dan Komposisi Vegetasi Zona Montana Taman Nasional Gunung Gede Pangrango. *Biodiversitas* 9:134–141.
- Aryadi M, Satriadi T, Syam'ani. 2017. Kecenderungan Kebakaran Hutan dan Lahan dan Alternatif Pengendalian Berbasis Kemitraan di PT. Inhutani II Kotabaru. *Jurnal Hutan Tropis* 5:222–235.
- Astuti FK, Murningsih M, Jumari J. 2017. Keanekaragaman Jenis Tumbuhan Paku (Pteridophyta) di Jalur Pendakian Selo Kawasan Taman Nasional Gunung Merbabu, Jawa Tengah. *Bioma : Berkala Ilmiah Biologi* 6:25.
- Atmanto WD, Ndari HW, Danarto S. 2017. Analisis Kondisi Habitat Dan Perakaran Tumbuhan Bawah Pada Daerah Terbuka Dan Di Bawah Tegakan Cemara Udang Di Pesisir Lembupurwo, Kebumen. *Scripta Biologica* 4:147.
- Baker FS. 1950. *Principles of Silviculture*. McGraw-Hill, New York.
- Barbour MG, Burk JH, Pitts WD. 1980. *Terrestrial Plant Ecology*. The Benjamin/Cummings Publishing Company, California.
- Binkley D, Fisher RF. 2013. *Ecology and Management of Forest Soils* Fourth Edi. John Wiley & Sons, United Kingdom.
- Brando PM, Nepstad DC, Balch JK, Bolker B, Christman MC, Coe M, Putz FE.



2012. Fire-induced tree mortality in a neotropical forest: The roles of bark traits, tree size, wood density and fire behavior. *Global Change Biology* 18:630–641.
- Budiyono S. 2017. Komposisi Jenis Komunitas Tumbuhan Bawah pada Tegakan *Acacia decurrens*, Hutan Alam, dan Areal Terbuka di Resort Cangkringan, Taman Nasional Gunung Merapi. Universitas Gadjah Mada.
- Choiruddin I, Donantho D, Hartanto RMN. 2018. Pengaruh Kebakaran Lahan Terhadap Beberapa Sifat Kimia Tanah (pH, C-Organik, N, P, dan K). *Jurnal Agroekoteknologi Tropika Lembab* 1:11–15.
- Darwiati W, Tuheteru FD. 2010. Forest Fire Impact on the Growth of Vegetation. *Tekno Hutan Tanaman* 3:29–35.
- Daubenmire RF. 1956. *Plants and Environment* Fifth. John Willey and Sons, Inc, New York.
- Dendang B, Handayani W. 2015. Struktur dan komposisi tegakan hutan di Taman Nasional Gunung Gede Pangrango, Jawa Barat. *Prosiding Seminar Nasional Masyarakat Biodiversitas Indonesia* 1:691–695.
- Destaranti N, Sulistyani, Yani E. 2017. Struktur dan Vegetasi Tumbuhan Bawah Pada Tegakan Pinus di RPH Kalirajut dan RPH Baturraden Banyumas. *Scripta Biologica* 4:155–160.
- dos Santos JFC, Gleriani JM, Velloso SGS, de Souza GSA, do Amaral CH, Torres FTP, Medeiros NDG, dos Reis M. 2019. Wildfires as a major challenge for natural regeneration in Atlantic Forest. *Science of the Total Environment* 650:809–821. Elsevier B.V. Available from <https://doi.org/10.1016/j.scitotenv.2018.09.016>.
- Fachrul MF. 2007. *Metode Sampling Bioekologi*. Bumi Aksara, Jakarta.
- Fischer H, Huth F, Hagemann U, Wagner S. 2016. Developing restoration strategies for temperate forests using natural regeneration processes. Halaman 103–164 *Restoration of Boreal and Temperate Forests*, 2 edisi. CRC Press, Boca Raton.
- Indriyanto. 2006. *Ekologi Hutan*. Bumi Aksara, Jakarta.
- Ismail MH, Fuad MFA, Zaki PH, Jemali NJN. 2017. Analysis of importance value index of unlogged and logged peat swamp forest in Nenasi Forest Reserve, Peninsular Malaysia. *Bonorowo Wetlands* 7:74–78.
- Jayadi EM. 2015. *Ekologi Tumbuhan*. IAIN Mataram, Mataram. Available from <http://repository.ut.ac.id/4431/2/BIOL4411-TM.pdf>.
- Karyaningsih I, Sulistyoso, Hidayat I. 2016. Keanekaragaman Satwa Pada Areal Pasca kebakaran Hutan di Hutan Bintangot Taman Nasional Gunung Ciremai. *Wanaraksa* 10:6–15.
- Krebs CJ. 1972. *Ecology: The Experimental Analysis of Distribution and Abundance*. Harper and Row, New York.
- Krebs CJ. 1989. *Ecological Methodology*. Harpercollins College Div, New York.



- Ludwig JA, Reynolds JF. 1988. *Statistical Ecology: A Primer in Methods and Computing*. John Wiley & Sons, Canada.
- Maciel-Nájera JF, Hernández-Velasco J, González-Elizondo MS, Hernández-Díaz JC, López-Sánchez CA, Antúnez P, Bailón-Soto CE, Wehenkel C. 2020. Unexpected spatial patterns of natural regeneration in typical uneven-aged mixed pine-oak forests in the Sierra Madre Occidental, Mexico. *Global Ecology and Conservation* 23:e01074. Available from <https://linkinghub.elsevier.com/retrieve/pii/S2351989419309217>.
- Magurran AE. 2004. *Measuring Biological Diversity*. Blackwell Publishing, United Kingdom.
- Mataji A, Moarefvand P, Kafaki SB, Madanipour Kermanshahi M. 2010. Understory vegetation as environmental factors indicator in forest ecosystems. *International Journal of Environmental Science and Technology* 7:629–638.
- Menezes GSC, Cazetta E, Dodonov P. 2019. Vegetation structure across fire edges in a Neotropical rain forest. *Forest Ecology and Management* 453:117587. Elsevier. Available from <https://doi.org/10.1016/j.foreco.2019.117587>.
- Metanada AA, Zuhud EAM, Hikmat A. 2016. Population, Distribution of *Kepuh* (*Sterculia foetida* L.) and its Associated in Sumbawa Regency, West Nusa Tenggara. *Media Konservasi* 20:277–286.
- Mitri GH, Gitas IZ. 2012. Mapping post-fire forest regeneration and vegetation recovery using a combination of very high spatial resolution and hyperspectral satellite imagery. *International Journal of Applied Earth Observation and Geoinformation* 20:60–66. Elsevier B.V. Available from <http://dx.doi.org/10.1016/j.jag.2011.09.001>.
- Mligo C. 2019. Post fire regeneration of indigenous plant species in the Pugu Forest Reserve, Tanzania. *Global Ecology and Conservation* 18:e00611. Elsevier Ltd. Available from <https://doi.org/10.1016/j.gecco.2019.e00611>.
- Mueller-Dombois D, Ellenberg H. 1974. *Aims and Methods of Vegetation Ecology*. John Willey and Sons, Inc, United States of America.
- Nursanti, Adriadi A. 2019. Studi Komposisi Vegetasi Dasar di Kawasan Taman Hutan Raya Sultan Thaha Saifuddin. *Media Konservasi* 24:85–93.
- Nyland RD. 1996. *Silviculture: Concepts and Applications*. McGraw-Hill, New York.
- Odum EP. 1998a. *Dasa-Dasar Ekologi* third edit. Gadjah Mada University Press, Yogyakarta.
- Odum EP. 1998b. *Dasar-dasar Ekologi*, 3 edisi. Gadjah Mada University Press, Yogyakarta.
- Oosting HJ. 1956. *The Study of Plant Communities: an Introduction to Plant Ecology*. W.H. Freeman and Company, San Fransisco.
- Ordonez JC, Luedeling E, Kindt R, Tata HL, Harja D, Jamnadass R, van Noordwijk



- M. 2014. Constraints and opportunities for tree diversity management along the forest transition curve to achieve multifunctional agriculture. *Current Opinion in Environmental Sustainability* 6:54–60. Elsevier B.V. Available from <http://dx.doi.org/10.1016/j.cosust.2013.10.009>.
- Pritchett WL. 1979. *Properties and Management of Forest Soils*. John Wiley and Sons, Inc, United States of America.
- Putra DA. 2017. Keterancaman Habitat Lutung Abu (*Presbytis fredericae* Sody 1930) dari Bahaya Kebakaran di Taman Nasional Gunung Merbabu. Institut Pertanian Bogor.
- Rachman E, Hani A. 2017. Potensi Keanekaragaman Jenis Vegetasi Untuk Pengembangan Ekowisata di Cagar Alam Situ Panjalu. *Jurnal WASIAN* 4:1–10.
- Rahardjo S. 2003. Komposisi Jenis dan Adaptasi Tumbuhan Bawah pada Areal Bekas Kebakaran di Bawah Tegakan Pinus merkusii Jungh. et de Vriese (Studi Kasus di Hutan Pendidikan Gunung Walat, Kabupaten Sukabumi). Institut Pertanian Bogor.
- Ramadhan R, Mursyid H, Tyaningsih Adriyanti D, Triwanto J, Triwaskitho N. 2020. Pertumbuhan Jenis Invasif *Acacia decurrens* Willd. dan Pengaruh Naungannya Terhadap Tanaman Restorasi. *Biotropika: Journal of Tropical Biology* 8:71–78.
- Ruiz-Jaén MC, Aide TM. 2005. Vegetation structure , species diversity , and ecosystem processes as measures of restoration success. *Elsevier* 218:159–173.
- Rupasinghe PA, Gunaratne AMTA. 2017. Impacts of *Ageratina riparia* (Regel) R. M. King & H. Rob. on natural regeneration of sub-montane forests at Knuckles Forest Reserve, Sri Lanka. *Ceylon Journal of Science* 46:85.
- Saharjo BH, Imtinan I. 2019. Upaya Pemadaman Kebakaran Hutan Dan Lahan Menggunakan Gel Pemadam (Gel Pack Extinguishing Agent). *Silvikultur Tropika* 10:45–50.
- Sari P, Wiharto M, L H. 2017. Analisis Vegetasi Herba Di Bukit Batu Putih dan Gunung Bulusaraung Dusun Bulu-Bulu Desa Tompobulu Resort Balocci Taman Nasional Bantimurung Bulusaraung Kabupaten Pangkep. *Bionature* 18:33–43.
- Setiadi D. 2005. Keanekaragaman Spesies Tingkat Pohon di Taman Wisata Alam Ruteng, Nusa Tenggara Timur. *Biodiversitas* 6:118–122.
- Setiyadi W, Nandariyah, Budiastuti MS. 2018. Exploration, abundance and nutrient potential of *Rubus* in Lawu Mountain, Indonesia. *IOP Conference Series: Earth and Environmental Science* 200.
- Soares JAH, Souza ALT de, Pestana LF de A, Tanaka MO. 2020. Combined effects of soil fertility and vegetation structure on early decomposition of organic



- matter in a tropical riparian zone. *Ecological Engineering* 152. Elsevier.
- Soegianto A. 1994. *Ekologi Kuantitatif : Metode Analisis Populasi dan Komunitas*. Usaha Nasional, Surabaya.
- Soerianegara I, Indrawan A. 2005. *Ekologi Hutan Indonesia*. Institut Pertanian Bogor, Bogor.
- Sumardi, Widyastuti SM. 2004. *Dasar-dasar Perlindungan Hutan*. Gadjah Mada University Press, Yogyakarta.
- Syaufina L. 2008. *Kebakaran hutan dan lahan di Indonesia : perilaku api, penyebab, dan dampak kebakaran*. Bayumedia Publishing, Malang.
- Van Steenis CGGJ. 2006. *Flora Pegunungan Jawa (The Mountain Flora of Java)*. Halaman (Hamzah A, Toha M, editor). Pusat Penelitian Biologi-LIPI, Bogor.
- Wahyudi J. 2015. *Buku Flora Potensi Hias Merbabu*. Balai Taman Nasional Gunung Merbabu, Boyolali.
- Wahyuni AS, Prasetyo LB, Zuhud EAM. 2017. *Populasi dan Pola Distribusi Tumbuhan Paliasa (Kleinhovia hospita L.) di Kecamatan Bontobahari*. *Media Konservasi* 22:11–18.
- Wang Z, Yang H, Wang D, Zhao Z. 2019. *Spatial distribution and growth association of regeneration in gaps of Chinese pine (Pinus tabuliformis Carr.) plantation in northern China*. *Forest Ecology and Management* 432:387–399. Elsevier. Available from <https://doi.org/10.1016/j.foreco.2018.09.032>.
- Whitmore TC. 1975. *Tropical Rain Forests Of The Far East*. Clarendon Press, Oxford.
- Wirakusuma RS. 2003. *Dasar-dasar ekologi: bagi populasi dan komunitas*. UI Press, Jakarta.
- Yusuf R. 2000. *Analisis Vegetasi dan Degradasi Jenis Tumbuhan Hutan Gambut setelah Kebakaran di Kawasan Taman Nasional Tanjung Puting Kalimantan Tengah*. *Berita Biologi* 5:277–283.
- Zulkifli, Ismail, Kamarubayana L. 2017. *Studi Pengendalian Kebakaran Hutan Di Wilayah Kelurahan Merdeka Kecamatan Samboja Kalimantan Timur*. *Agrifor* 16:141–150.
- Peraturan Menteri Kehutanan Nomor: P.12/Menhut-II/2009 tentang Pengendalian Kebakaran Hutan