

DAFTAR PUSTAKA

- Abas, A., Aziz, A., & Awang, A. (2022). A Systematic Review on the Local Wisdom of Indigenous People in Nature Conservation. *Sustainability (Switzerland)*, 14(6). <https://doi.org/10.3390/su14063415>
- Abdullah, S. A., & Nakagoshi, N. (2007). Forest fragmentation and its correlation to human land use change in the state of Selangor, peninsular Malaysia. *Forest Ecology and Management*, 241(1–3), 39–48. <https://doi.org/10.1016/j.foreco.2006.12.016>
- Adiyasa, M. R., & Meiyanti, M. (2021). Pemanfaatan obat tradisional di Indonesia: distribusi dan faktor demografis yang berpengaruh. *Jurnal Biomedika Dan Kesehatan*, 4(3), 130–138. <https://doi.org/10.18051/jbiomedkes.2021.v4.130-138>
- Ahlborg, H., Ruiz-Mercado, I., Molander, S., & Masera, O. (2019). Bringing technology into social-ecological systems research-Motivations for a socio-technical-ecological systems approach. *Sustainability (Switzerland)*, 11(7), 1–23. <https://doi.org/10.3390/su11072009>
- Andari, D., Linda, R., & Rafdinal, R. (2020). Pemanfaatan Tumbuhan Obat Oleh Masyarakat Suku Dayak Kendawangan Di Desa Rangkung Kecamatan Marau Kabupaten Ketapang. *Jurnal Protobiont*, 9(1), 78–86. <https://doi.org/10.26418/protobiont.v9i1.41609>
- Anjani, W., Umam, A. H., & Anhar, A. (2022). Keanekaragaman, Kemerataan, dan Kekayaan Vegetasi Hutan Raya Lae Kombih Kecamatan Penanggalan, Kota Subulussalam. *Jurnal Ilmiah Mahasiswa Pertanian*, 7(2), 770–778. <https://doi.org/10.17969/jimfp.v7i2.20136>
- Aragón, G., Abuja, L., Belinchón, R., & Martínez, I. (2015). Edge type determines the intensity of forest edge effect on epiphytic communities. *European Journal of Forest Research*, 134(3), 443–451. <https://doi.org/10.1007/s10342-015-0863-5>
- Arroyo-Rodríguez, V., Saldaña-Vázquez, R. A., Fahrig, L., & Santos, B. A. (2017). Does forest fragmentation cause an increase in forest temperature? *Ecological Research*, 32(1), 81–88. <https://doi.org/10.1007/s11284-016-1411-6>
- Astiani, D., Curran, L. M., Mujiman, Ratnasari, D., Salim, R., & Lisnawaty, N. (2018). Edge effects on biomass, growth, and tree diversity of a degraded peatland in west kalimantan, indonesia. *Biodiversitas*, 19(1), 272–278. <https://doi.org/10.13057/biodiv/d190137>
- Awan, A. A., Akhtar, T., Ahmed, M. J., & Murtaza, G. (2021). Quantitative ethnobotany of medicinal plants uses in the Jhelum valley, Azad Kashmir, Pakistan. *Acta Ecologica Sinica*, 41(2), 88–96. <https://doi.org/10.1016/J.CHNAES.2020.09.002>
- Aziz, M. A., Adnan, M., Khan, A. H., Shahat, A. A., Al-Said, M. S., & Ullah, R. (2018). Traditional uses of medicinal plants practiced by the indigenous communities at Mohmand Agency, FATA, Pakistan. *Journal of Ethnobiology and Ethnomedicine*, 14(1), 1–17. <https://doi.org/10.1186/s13002-017-0204-5>
- Baderan, D. W. K., Rahim, S., Angio, M., & Salim, A. I. Bin. (2021). Keanekaragaman, Kemerataan, dan Kekayaan Spesies Tumbuhan dari Geosite Potensial Benteng Otanaha Sebagai Rintisan Pengembangan Geopark Provinsi Gorontalo. *Al-Kauniyah: Jurnal Biologi*, 14(2), 264–274. <https://doi.org/10.15408/kauniyah.v14i2.16746>
- Baker, S. C., Spies, T. A., Wardlaw, T. J., Balmer, J., Franklin, J. F., & Jordan, G. J.

- (2013). The harvested side of edges: Effect of retained forests on the re-establishment of biodiversity in adjacent harvested areas. *Forest Ecology and Management*, 302, 107–121. <https://doi.org/10.1016/j.foreco.2013.03.024>
- Banks-Leite, C., Ewers, R. M., Folkard-Tapp, H., & Fraser, A. (2020). Countering the effects of habitat loss, fragmentation, and degradation through habitat restoration. *One Earth*, 3(6), 672–676. <https://doi.org/10.1016/j.oneear.2020.11.016>
- Barus, S. H., Hamidah, S., Satriadi, T., & Kehutanan, J. (2019). UJI FITOKIMIA SENYAWA AKTIF TUMBUHAN MANGGARSIH (*Parameria laevigata* (Juss) Moldenke) DARI HUTAN ALAM DESA MALINAU LOKSADO DAN HASIL BUDIDAYA EKSITU BANJARBARU. *Jurnal Sylva Scientiae*, 02(3), 510–518.
- Baskoro, K., Khotimperwati, L., & Utami, S. (2024). Diversitas dan Distribusi Spasial Pohon Ficus di Kota Semarang, Indonesia. *Bioma : Berkala Ilmiah Biologi*, 26(1), 52–58. <https://doi.org/10.14710/bioma.2024.64167>
- Bastaman, L. R., Rahmiyani, I., & Nurviana, V. (2021). Kajian etnobotani tumbuhan obat di Masyarakat Dusun Cibulakan Desa Buanamekar Panumbangan Ciamis. *Prosiding Seminar Nasional Diseminasi Penelitian*, 1, 7–16. <https://ejurnal.universitas-bth.ac.id/index.php/PSNDP/article/view/819>
- Batoro, J. (2015). *Pengelolaan Lingkungan Dengan Pendekatan Etnobiologi*. Universitas Brawijaya Press.
- Beche, D., Tack, A., Nemomissa, S., Warkineh, B., Lemessa, D., Rodrigues, P., Fischer, J., & Hylander, K. (2022). Spatial variation in human disturbances and their effects on forest structure and biodiversity across an Afromontane forest. *Landscape Ecology*, 37(2), 493–510. <https://doi.org/10.1007/s10980-021-01395-4>
- Biara, E., Egeru, A., Mensah, S., Salamula, J. B., & Kadigo, M. M. (2021). Socio-economic factors influencing *Azelia africana* Sm. use value and traditional knowledge in Uganda: implications for sustainable management. *Environment, Development and Sustainability*, 23(2), 2261–2278. <https://doi.org/10.1007/s10668-020-00673-6>
- Biswakarma, S., Pala, N. A., Shukla, G., Pradhan, K., & Chakravarty, S. (2018). *Indian Journal of Hill Farming Influence of Socio-Economic Factors on Attitude of Ethno-Botanical Users among Forest Fringe Communities in Sub-Himalayan Region of West Bengal , India*. Anon 2000, 27–35.
- Bodo, T., Gimah, B. G., & Seomoni, K. J. (2021). Deforestation and Habitat Loss: Human Causes, Consequences and Possible Solutions. *Journal of Geographical Research*, 4(2), 22–30. <https://doi.org/10.30564/jgr.v4i2.3059>
- Brockerhoff, E. G., Barbaro, L., Castagneyrol, B., Forrester, D. I., Gardiner, B., González-Olabarria, J. R., Lyver, P. O. B., Meurisse, N., Oxbrough, A., Taki, H., Thompson, I. D., van der Plas, F., & Jactel, H. (2017). Forest biodiversity, ecosystem functioning and the provision of ecosystem services. *Biodiversity and Conservation*, 26(13), 3005–3035. <https://doi.org/10.1007/s10531-017-1453-2>
- Burst, M., Chauchard, S., Dambrine, E., Dupouey, J. L., & Amiaud, B. (2020). Distribution of soil properties along forest-grassland interfaces: Influence of permanent environmental factors or land-use after-effects? In *Agriculture, Ecosystems and Environment* (Vol. 289). <https://doi.org/10.1016/j.agee.2019.106739>
- Caballero-Serrano, V., McLaren, B., Carrasco, J. C., Alday, J. G., Fiallos, L., Amigo, J., & Onaindia, M. (2019). Traditional ecological knowledge and medicinal plant diversity in Ecuadorian Amazon home gardens. *Global Ecology and Conservation*, 17, e00524. <https://doi.org/10.1016/j.gecco.2019.e00524>

- Cahyaningsih, R., Magos Brehm, J., & Maxted, N. (2021). Gap analysis of Indonesian priority medicinal plant species as part of their conservation planning. *Global Ecology and Conservation*, 26, e01459. <https://doi.org/10.1016/j.gecco.2021.e01459>
- Campos, J. L. A., & Albuquerque, U. P. (2021). Indicators of conservation priorities for medicinal plants from seasonal dry forests of northeastern Brazil. *Ecological Indicators*, 121(October 2020), 106993. <https://doi.org/10.1016/j.ecolind.2020.106993>
- Cardelús, C. L., Mekonnen, A. B., Jensen, K. H., Woods, C. L., Baez, M. C., Montufar, M., Bazany, K., Tsegay, B. A., Scull, P. R., & Peck, W. H. (2020). Edge effects and human disturbance influence soil physical and chemical properties in Sacred Church Forests in Ethiopia. *Plant and Soil*, 453(1–2), 329–342. <https://doi.org/10.1007/s11104-020-04595-0>
- Celeste, B. L. D., Condino, M. P., Dadang, R. J., & Amoroso, V. B. (2020). Forest care, interconnectivity and maintenance of ecological resources among the manobo-Matigsalug people of the Southern Philippines. *Environmental and Socio-Economic Studies*, 8(3), 21–33. <https://doi.org/10.2478/enviro-2020-0015>
- Chaachouay, N. (2022). Herbal Medicine Used in the Treatment of Human Diseases in the Rif, Northern Morocco. *Arabian Journal for Science and Engineering*, 47(1), 131–153. <https://doi.org/10.1007/s13369-021-05501-1>
- Chang, C. C., & Turner, B. L. (2019). Ecological succession in a changing world. *Journal of Ecology*, 107(2), 503–509. <https://doi.org/10.1111/1365-2745.13132>
- Chen, J., Saunders, S. C., Crow, T. R., Naiman, R. J., Broszofsky, K. D., Mroz, G. D., Brookshire, B. L., & Franklin, J. F. (1999). Microclimate in forest ecosystem and landscape ecology: Variations in local climate can be used to monitor and compare the effects of different management regimes. *BioScience*, 49(4), 288–297. <https://doi.org/10.2307/1313612>
- Chitra Jain; Shivani Khatana; Rekha Vijayvergia. (2019). Bioactivity of secondary metabolites of various plants: A review. *International Journal of Pharmaceutical Sciences and Research*, 10(2), 494–504. [https://doi.org/10.13040/IJPSR.0975-8232.10\(2\).494-04](https://doi.org/10.13040/IJPSR.0975-8232.10(2).494-04)
- Colding, J., & Barthel, S. (2019). Exploring the social-ecological systems discourse 20 years later. *Ecology and Society*, 24(1). <https://doi.org/10.5751/ES-10598-240102>
- Cordero, C. S., & Grecebio, G. J. (2021). Medicinal plants used by the indigenous ati tribe in tobias fornier, antique, philippines. *Biodiversitas*, 22(2), 521–536. <https://doi.org/10.13057/biodiv/d220203>
- Crockatt, M. E., & Bebbler, D. P. (2015). Edge effects on moisture reduce wood decomposition rate in a temperate forest. *Global Change Biology*, 21(2), 698–707. <https://doi.org/10.1111/gcb.12676>
- da Silva, V. L., & Schmitt, J. L. (2015). The effects of fragmentation on Araucaria forest: Analysis of the fern and lycophyte communities at sites subject to different edge conditions. *Acta Botanica Brasilica*, 29(2), 223–230. <https://doi.org/10.1590/0102-33062014abb3760>
- Damayanti, I. A. M., Antari, N. W. S., Megayanti, S. D., Harditya, K. B., & Wulansari, N. T. (2023). PEMANFAATAN DAUN PEGAGAN (*Centella asiatica* (L.) Urban) SEBAGAI UPAYA PREVENTIF PENURUNAN KADAR GULA DARAH. *Jurnal Pengabdian Masyarakat Sundaram*, 1(1), 30–35. <https://doi.org/10.52073/jpms.v1i1.7>

- De Frenne, P., Lenoir, J., Luoto, M., Scheffers, B. R., Zellweger, F., Aalto, J., Ashcroft, M. B., Christiansen, D. M., Decocq, G., De Pauw, K., Govaert, S., Greiser, C., Gril, E., Hampe, A., Jucker, T., Klimes, D. H., Koelemeijer, I. A., Lembrechts, J. J., Marrec, R., ... Hylander, K. (2021). Forest microclimates and climate change: Importance, drivers and future research agenda. *Global Change Biology*, 27(11), 2279–2297. <https://doi.org/10.1111/gcb.15569>
- de Lima, A. R. S., de Lima, R. C., Nepomuceno, I. T. G., Do Nascimento, H. H. C., Prata, A. P. do N., & da Silva, R. R. V. (2020). Influence of edge in the structure of the vegetation of an open ombrophilous forest in Alagoas. *Bioscience Journal*, 36(2), 591–601. <https://doi.org/10.14393/BJ-v36n2a2020-46261>
- Deb, C. R., & Sharma, T. I. (2021). *Ethnomedicinal plants with anti-diabetic property used by tribes of Nagaland, India: A review*. December.
- Destaranti, N., Sulistyani, S., & Yani, E. (2017). Struktur Dan Vegetasi Tumbuhan Bawah Pada Tegakan Pinus Di Rph Kalirajut Dan Rph Baturraden Banyumas. *Scripta Biologica*, 4(3), 155. <https://doi.org/10.20884/1.sb.2017.4.3.407>
- Destryana, A. (2019). Etnobotani Dan Penggunaan Tumbuhan Liar Sebagai Obat Tradisional Oleh Masyarakat Suku Madura. *Journal of Food Technology and Agroindustry*, 1(2), 1–8. <https://doi.org/10.24929/jfta.v1i2.724>
- Diuk-Wasser, M. A., Vanacker, M. C., & Fernandez, M. P. (2021). Impact of Land Use Changes and Habitat Fragmentation on the Eco-epidemiology of Tick-Borne Diseases. *Journal of Medical Entomology*, 58(4), 1546–1564. <https://doi.org/10.1093/jme/tjaa209>
- Du, S., Zheng, B., Lei, H., Guo, H., & Li, X. (2025). Response of Understory Plant Diversity to Edge Effects in Plantation Forests on the Loess Plateau. *Forests*, 16(1), 1–12. <https://doi.org/10.3390/f16010087>
- Dyderski, M. K., & Jagodziński, A. M. (2020). IDyderski, M. K., & Jagodziński, A. M. (2020). Impact of invasive tree species on natural regeneration species composition, diversity, and density. *Forests*, 11(4), 1–20. <https://doi.org/10.3390/F11040456>
- Echeverria, C., Coomes, D. A., Hall, M., & Newton, A. C. (2008). Spatially explicit models to analyze forest loss and fragmentation between 1976 and 2020 in southern Chile. *Ecological Modelling*, 212(3–4), 439–449. <https://doi.org/10.1016/j.ecolmodel.2007.10.045>
- Ege, B., Julung, H., Iyus Supiandi, M., Mahanal, S., & Zubaidah, S. (2021). Potential of medicinal plants for internal diseases in the dayak jangkang community, sanggau regency, west kalimantan, indonesia. *JPBIO (Jurnal Pendidikan Biologi)*, 6(2), 281–294. <https://doi.org/10.31932/jpbio.v6i2.1439>
- Elvansi, M. E., & Vifta, R. L. (2022). PENENTUAN KADAR FLAVONOID TOTAL EKSTRAK DAUN RAMBAI LAUT DENGAN VARIASI PELARUT EKSTRAKSI (*Sonneratia caseolaris* L.). *Indonesian Journal of Pharmacy and Natural Product*, 5(1), 12–18. <https://doi.org/10.35473/ijpnp.v5i1.1544>
- Erdős, L., Török, P., Veldman, J. W., Bátori, Z., Bede-Fazekas, Á., Magnes, M., Kröel-Dulay, G., & Tölgyesi, C. (2022). How climate, topography, soils, herbivores, and fire control forest–grassland coexistence in the Eurasian forest-steppe. *Biological Reviews*, 97(6), 2195–2208. <https://doi.org/10.1111/brv.12889>
- Ewers, R. M., & Didham, R. K. (2006). Confounding factors in the detection of species responses to habitat fragmentation. *Biological Reviews of the Cambridge Philosophical Society*, 81(1), 117–142.

- <https://doi.org/10.1017/S1464793105006949>
- Fardila, D., & Sutomo, S. (2011). Efek Tepi Koridor Jalan Di Hutan Bukit Pohen, Cagar Alam Batukahu, Bali. *Berkala Penelitian Hayati*, 17(1), 9–13. <https://doi.org/10.23869/bphjbr.17.1.20113>
- Fatmawati, I., & Syarif, I. (2024). *STUDY OF ETHNOMEDICINE TO REDUCE HEAT USING SEA FLOWER LEAF EXTRACT IN PULAU PAYUNG VILLAGE AS A SCIENCE LEARNING RESOURCE*. 11(3), 498–506.
- Fauzy, A., & Asy'ari. (2020). Studi etnobotani tanaman obat di wilayah jawa timur dan pemanfaatannya sebagai media edukasi masyarakat berbasis website. *Jurnal Pedago Biologi*, 8(2), 46–52. <http://journal.um-surabaya.ac.id/index.php/Biologi/article/view/9333/4112#>
- Figueira da Silva, C., Camara de Souza, R., Pereira, M. G., da Silva Rodrigues Pinto, L. A., Ferreira, R., Fernandes Correia, M. E., Gabriel Menezes, C. E., Fontes, M. A., & Paula da Silva, T. (2021). Edaphic attributes indicative of edge effect in Semideciduous tropical forest. *Acta Oecologica*, 113(August), 103776. <https://doi.org/10.1016/j.actao.2021.103776>
- Fischer, R., Taubert, F., Müller, M. S., Groeneveld, J., Lehmann, S., Wiegand, T., & Huth, A. (2021). Accelerated forest fragmentation leads to critical increase in tropical forest edge area. *Science Advances*, 7(37), 1DUMMMY. <https://doi.org/10.1126/sciadv.abg7012>
- Fougeres, D., Andrade, A., Jones, M., & McElwee, P. D. (2020). Transformative Conservation in Social-Ecological Systems: Discussion paper for the 2021 World Conservation Congress. *CEM Discussion Paper for the 2021 World Conservation Congress, April 2020*.
- Franklin, C. M. A., Harper, K. A., & Clarke, M. J. (2021). Trends in studies of edge influence on vegetation at humancreated and natural forest edges across time and space. *Canadian Journal of Forest Research*, 51(2), 274–282. <https://doi.org/10.1139/cjfr-2020-0308>
- Fransiska Zulus, Arianto Wahyudi, & Anwar Guswarni. (2022). Kajian Etnobotani Tumbuhan Obat Masyarakat Desa Tamiai Kecamatan Batang Merangin Kabupaten Kerinci Provinsi Jambi. *Journal of Global Forest and Environmental Science*, 2(1), 39–50.
- Gaveau, D. L. A., Locatelli, B., Salim, M. A., Yaen, H., Pacheco, P., & Sheil, D. (2019). Rise and fall of forest loss and industrial plantations in borneo (2000–2017). *Conservation Letters*, 12(3). <https://doi.org/10.1111/conl.12622>
- Govaert, S., Meeussen, C., Vanneste, T., Bollmann, K., Brunet, J., Cousins, S. A. O., Diekmann, M., Graae, B. J., Hedwall, P. O., Heinken, T., Iacopetti, G., Lenoir, J., Lindmo, S., Orczewska, A., Perring, M. P., Ponette, Q., Plue, J., Selvi, F., Spicher, F., ... De Frenne, P. (2020). Edge influence on understorey plant communities depends on forest management. *Journal of Vegetation Science*, 31(2), 281–292. <https://doi.org/10.1111/jvs.12844>
- Gupta, H., Nishi, M., & Gasparatos, A. (2022). Community-based responses for tackling environmental and socio-economic change and impacts in mountain social–ecological systems. *Ambio*, 51(5), 1123–1142. <https://doi.org/10.1007/s13280-021-01651-6>
- Hamidah, S., Arifin, Y. F., & Fitriani, A. (2018). Micro Climate Assessment of Medicinal Plant Habitat for the First Step of Domestication. *Academic Research International*, 9(3), 145–150. www.savap.org.pk
- Hamidah, S., Arifin, Y. F., & Fitriani, A. (2020). Studi Hasilbudidaya Secara Eksitu Beberapa Jenis Tumbuhan Obat Sebagai Pertimbangan Konsep Pengembangan

- Agroforestri Berbasis Tumbuhan Obat. *Jurnal Hutan Tropis*, 8(1), 1. <https://doi.org/10.20527/jht.v8i1.8152>
- Hardani. (2020). *Metode Penelitian Kualitatif dan Kuantitatif*. CV. Pustaka Ilmu.
- Harper, K. A., Macdonald, S. E., Mayerhofer, M. S., Biswas, S. R., Esseen, P. A., Hylander, K., Stewart, K. J., Mallik, A. U., Drapeau, P., Jonsson, B. G., Lesieur, D., Kouki, J., & Bergeron, Y. (2015). Edge influence on vegetation at natural and anthropogenic edges of boreal forests in Canada and Fennoscandia. *Journal of Ecology*, 103(3), 550–562. <https://doi.org/10.1111/1365-2745.12398>
- Haryadi, H., Sunarto, S., & Sugiyarto, S. (2019). Vegetation Analysis of the Secondary Forest Area of Mount Merapi National Park. *Jurnal Biodjati*, 4(1), 50–57. <https://doi.org/10.15575/biodjati.v4i1.4239>
- Hasim, H., Arifin, Y. Y., Andrianto, D., & Faridah, D. N. (2019). Ekstrak Etanol Daun Belimbing Wuluh (*Averrhoa bilimbi*) sebagai Antioksidan dan Antiinflamasi. *Jurnal Aplikasi Teknologi Pangan*, 8(3), 86. <https://doi.org/10.17728/jatp.4201>
- Hastuari, F. A., Sufanniyah, A., Dewi, A. R., Maghfiroh, E. F., & Prajoko, S. (2023). Konservasi Tanaman Obat Keluarga Unggulan Sebagai Bahan Jamu Tradisional. *Jurnal Pemberdayaan Masyarakat*, 2(2), 58–67. <https://doi.org/10.46843/jmp.v2i2.286>
- Hayati, S. D., Bramasta, D., Kamala, N., Basrowi, M., & Sulistijorini. (2021). Komposisi Jenis dan Struktur Vegetasi Tepi Hutan , Taman Nasional Gunung Ciremai , Jawa Barat Floristic Composition and Vegetation Structure in The Edge Forest , Mount Ciremai National Park , West Java. *Jurnal Sumberdaya HAYATI*, 7(1), 17–24.
- Helmina, S., & Hidayah, Y. (2021). Kajian etnobotani tumbuhan obat tradisional oleh masyarakat kampung Padang kecamatan Sukamara kabupaten Sukamara. *Jurnal Pendidikan Hayati*, 7(1), 20–28.
- Hending, D., & Randrianarison, H. (2023). Forest fragmentation and its associated edge-effects reduce tree species diversity, size, and structural diversity in Madagascar's transitional forests. *Biodiversity and Conservation*, 3329–3353.
- Hendrayana, Y., Adhya, I., Herlina, N., & Nurlaila, A. (2023). Kajian Potensi Tumbuhan Sumber Pangan dan Pemanfaatannya di Gunung Tilu Kabupaten Kuningan. 15, 94–100. <https://doi.org/10.25134/quagga.v15i1.7006>. Received
- Hendrayana, Y., Permana, D. T., Nurlaila, A., Adhya, I., & Supartono, T. (2023). Kumpulan Burung dan Mamalia pada Kiara Bunut (*Ficus virens*) di Hutan Gunung Tilu Kabupaten Kuningan. *Logika : Journal of Multidisciplinary Studies*, 14(01), 21–29. <https://doi.org/10.25134/logika.v14i01.7276>
- Hendrayana, Y., Sistiadi, I. F., Nurdin, Nurlaila, A., & Adhya, I. (2022). Keanekaragaman Tumbuhan Bawah dan Manfaatnya di Gunung Cakrabuana Majalengka. *Jurnal Penelitian Universitas Kuningan*, 13(1), 73–84.
- Hentz, A. M. K., Corte, A. P. D., Sanquetta, C. R., Blum, C. T., & Cadore, G. C. (2017). Edge effect on a tree community in an *Araucaria* Forest Fragment in Brazil. *Floresta*, 47(4), 407–416. <https://doi.org/10.5380/rf.v47i4.53551>
- Hofmeister, J., Hošek, J., Brabec, M., Štrálková, R., Mýlová, P., Bouda, M., Pettit, J. L., Rydval, M., & Svoboda, M. (2019). Microclimate edge effect in small fragments of temperate forests in the context of climate change. *Forest Ecology and Management*, 448(January), 48–56. <https://doi.org/10.1016/j.foreco.2019.05.069>
- Holling, C. . (2009). the Understanding Complexity of Economic , Ecological , and Social. *Ecosystems*, 4(5), 390–405. <https://doi.org/10.1007/s10021-00>
- Husein, S. G., Sundalian, M., & Husna, N. (2021). Review: Analisis Komponen

- Senyawa Kimia Krokot (*Portulaca oleraceae* L. dan *Portulaca grandiflora* Hook.). *Jurnal Sains Dan Kesehatan*, 3(2), 317–327. <https://doi.org/10.25026/jsk.v3i2.278>
- Ijaz, S., Perveen, A., & Ashraf, S. (2022). Anthropogenic Threats and Their Impact Assessment on Medicinal Flora of Western Himalaya-Neelum Valley (Azad Jammu & Kashmir). *Pakistan Journal of Botany*, 54(5), 1827–1839. [https://doi.org/10.30848/PJB2022-5\(38\)](https://doi.org/10.30848/PJB2022-5(38))
- Indra, Husni, H., & Sisilia, L. (2019). Kajian Etnobotani Tumbuhan Obat Etnis Melayu Di Desa Sungai Baru Dan Desa Sempadian Kabupaten Sambas. *Journal of Chemical Information and Modeling*, 53(9), 181–188.
- Irwan Lovadi, A. S. R. L. (2015). Pemanfaatan Tumbuhan Obat Pada Masyarakat Suku Dayak Jangkang Tanjung Di Desa Ribau Kecamatan Kapuas Kabupaten Sanggau. *Protobiont*, 4(2), 1–8. <http://jurnal.untan.ac.id/index.php/jprb/article/view/10841>
- Islam, M., Inamullah, Ahmad, I., Akhtar, N., Alam, J., Razzaq, A., Mohammad, K., Mahmood, T., Khan, F. U., Muhammad Khan, W., Ahmad, I., Ullah, I., Shafaqat, N., & Qamar, S. (2021). Medicinal plants resources of Western Himalayan Palas Valley, Indus Kohistan, Pakistan: Their uses and degrees of risk of extinction. *Saudi Journal of Biological Sciences*, 28(5), 3076–3093. <https://doi.org/10.1016/j.sjbs.2021.02.051>
- Jadid, N., Kurniawan, E., Himayani, C. E. S., Andriyani, Prasetyowati, I., Purwani, K. I., Muslihatin, W., Hidayati, D., & Tjahjaningrum, I. T. D. (2020). An ethnobotanical study of medicinal plants used by the Tengger tribe in Ngadisari village, Indonesia. *PLoS ONE*, 15(7 July), 1–16. <https://doi.org/10.1371/journal.pone.0235886>
- Jafarinia, M., & Jafarinia, M. (2019). A Review of Medicinal Properties of some Asteraceae Family Plants on Immune System. *Report of Health Care Review Article*, 5(2), 1–7.
- Jahantab, E., Hosseini, S. H., & Sadeghi, Z. (2023). Ethnobotanical study of medicinal plants, Fasa County, Iran. *Journal of Medicinal Plants*, 22(86), 88–112. <https://doi.org/10.61186/jmp.22.86.88>
- Jamir, K., Seshagirirao, K., & Meitei, M. D. (2022). Indigenous oral knowledge of wild medicinal plants from the Peren district of Nagaland, India in the Indo Burma hot-spot. *Acta Ecologica Sinica*, 42(3), 206–223. <https://doi.org/10.1016/j.chnaes.2021.04.001>
- Jankowski, J. E., Kyle, K. O., Gasner, M. R., Ciecka, A. L., & Rabenold, K. N. (2021). Response of avian communities to edges of tropical montane forests: Implications for the future of endemic habitat specialists. *Global Ecology and Conservation*, 30(August), e01776. <https://doi.org/10.1016/j.gecco.2021.e01776>
- Jonathan, J., Aiah, L., & Richard, W. (2022). Ethnobotanical survey of medicinal plants utilized by forest edge communities in southern Sierra Leone. *Journal of Medicinal Plants Research*, 16(1), 11–25. <https://doi.org/10.5897/jmpr2021.7193>
- Jones, H. H., Barreto, E., Murillo, O., & Robinson, S. K. (2021). Turnover-driven loss of forest-dependent species changes avian species richness, functional diversity, and community composition in Andean forest fragments. *Global Ecology and Conservation*, 32(August), e01922. <https://doi.org/10.1016/j.gecco.2021.e01922>
- Julianto, T. S. (2019). *Fitokimia*. Universitas Islam Indonesia.
- Kang, S., & Choi, W. (2014). Forest cover changes in North Korea since the 1980s. *Regional Environmental Change*, 14(1), 347–354.

<https://doi.org/10.1007/s10113-013-0497-4>

- Kassam, K., Karamkhudoeva, M., Ruelle, M., & Baumflek, M. (2014). *Medicinal Plant Use and Health Sovereignty : Findings from the Tajik and Medicinal Plant Use and Health Sovereignty : Findings from the Tajik and Afghan Pamirs. August*. <https://doi.org/10.1007/s10745-010-9356-9>
- Katha, U. T. A., & Begum, Y. (2021). A Review Study on Phytochemistry, Pharmacological Properties & Traditional Uses of Chloranthus Elatior. *World Journal of Pharmaceutical and Life Sciences*, 7(9), 1–6.
- Kisangau, D. P., Kauti, M., Mwobobia, R. M., Kanui, T., & Musimba, N. (2017). Traditional knowledge on use of medicinal plants in Kitui County, Kenya. *Kenya. International Journal of Ethnobiology & Ethnomedicine*, 4(1), 1–10. <https://www.researchgate.net/publication/325661780>
- Kukkonen, M., & Käyhkö, N. (2014). Spatio-temporal analysis of forest changes in contrasting land use regimes of Zanzibar, Tanzania. *Applied Geography*, 55(December), 193–202. <https://doi.org/10.1016/j.apgeog.2014.09.013>
- Kunwar, R. M., Baral, B., Luintel, S., Uprety, Y., Poudel, R. C., Adhikari, B., Adhikari, Y. P., Subedi, S. C., Subedi, C. K., Poudel, P., Paudel, H. R., Paudel, B., Kunwar, L. M., Upadhayaya, K. S., Bhattarai, S., Pyakurel, D., Kutal, D. H., Pandey, P., Bhandari, A., ... Busmann, R. W. (2022). Ethnomedicinal landscape: distribution of used medicinal plant species in Nepal. *Journal of Ethnobiology and Ethnomedicine*, 18(1). <https://doi.org/10.1186/s13002-022-00531-x>
- Kusmana, C. (2017). *Metode Survey dan Interpretasi Data Vegetasi*. Bogor Agricultural University.
- Kusmana, C., & Yentiana, R. A. (2021). Laju Dekomposisi Serasah Daun Shorea guiso di Hutan Penelitian Dramaga, Bogor, Jawa Barat. *Journal of Tropical Silviculture*, 12(3), 172–177. <https://doi.org/10.29244/j-siltrop.12.3.172-177>
- Kutal, D., Kunwar, R. M., Baral, K., Sapkota, P., Sharma, H. P., & Rimal, B. (2021). Factors that influence the plant use knowledge in the middle mountains of Nepal. *PLoS ONE*, 16(2 February), 1–15. <https://doi.org/10.1371/journal.pone.0246390>
- Laldingliani, T. B. C., Thangjam, N. M., Zomuanawma, R., Bawitlung, L., Pal, A., & Kumar, A. (2022). Ethnomedicinal study of medicinal plants used by Mizo tribes in Champhai district of Mizoram, India. *Journal of Ethnobiology and Ethnomedicine*, 18(1). <https://doi.org/10.1186/s13002-022-00520-0>
- Laurance, W. F. (2004). Forest-climate interactions in fragmented tropical landscapes. *Philosophical Transactions of the Royal Society B: Biological Sciences*, 359(1443), 345–352. <https://doi.org/10.1098/rstb.2003.1430>
- Laurance, W. F., Nascimento, H. E. M., Laurance, S. G., Andrade, A., Ewers, R. M., Harms, K. E., Luizão, R. C. C., & Ribeiro, J. E. (2007). Habitat fragmentation, variable edge effects, and the landscape-divergence hypothesis. *PLoS ONE*, 2(10). <https://doi.org/10.1371/journal.pone.0001017>
- Leimgruber, P., Kelly, D. S., Steininger, M. K., Brunner, J., Müller, T., & Songer, M. (2005). Forest cover change patterns in Myanmar (Burma) 1990-2000. *Environmental Conservation*, 32(4), 356–364. <https://doi.org/10.1017/S0376892905002493>
- Lenaini, I. (2021). Teknik Pengambilan Sampel Purposive Dan Snowball Sampling. *HISTORIS: Jurnal Kajian, Penelitian & Pengembangan Pendidikan Sejarah*, 6(1), 33–39. <http://journal.ummat.ac.id/index.php/historis>
- Liu, J., Coomes, D. A., Gibson, L., Hu, G., Liu, J., Luo, Y., Wu, C., & Yu, M. (2019). Forest fragmentation in China and its effect on biodiversity. *Biological Reviews*,

- 94(5), 1636–1657. <https://doi.org/10.1111/brv.12519>
- Maharani, A. D., Amin, S., Fauzan, N. N., & Sopiyan, N. (2025). *Peran Senyawa Bioaktif Tumbuhan untuk Penyakit Degeneratif: Tinjauan Kimia Medisinal*. 4(April).
- Maharani, R., & Fernandes, A. (2021). Phytochemical profile and GC-MS of black betel leaves (*Piper betle* L.) from around KHDTK Labanan, Berau Regency (Indonesia). *Majalah Farmasi Dan Farmakologi*, 25(1), 11–14. <https://doi.org/10.20956/mff.v25i1.11966>
- Mamek, D., Menyuke, K., & Landak, K. (2019). *Richi Riadi, H.A Oramahi, Fathul Yusro*. 7, 905–915.
- Manyani, A., Biggs, R., Hill, L., & Preiser, R. (2024). *The evolution of social-ecological systems (SES) research: a co-authorship and co-citation network analysis*. 29(1).
- Manzoor, M., Ahmad, M., Zafar, M., Gillani, S. W., Shaheen, H., Pieroni, A., Al-Ghamdi, A. A., Elshikh, M. S., Saqib, S., Makhkamov, T., & Khaydarov, K. (2023). The local medicinal plant knowledge in Kashmir Western Himalaya: a way to foster ecological transition via community-centred health seeking strategies. In *Journal of Ethnobiology and Ethnomedicine* (Vol. 19, Issue 1). <https://doi.org/10.1186/s13002-023-00631-2>
- Marina, I., Sujadi, H., Ayu Andayani, S., Koswara, E., Oksifa Rahma Harti, A., Nurul Fitria, A., Adrian Fernanda, B., Agisni Widyastuti, K., & Dendi Purwanto, M. (2023). Upaya Peningkatan Akses dan Pemasaran Produk Tanaman Obat: Mendukung Keberlanjutan Ekonomi dan Kesejahteraan Keluarga Petani. *BERNAS: Jurnal Pengabdian Kepada Masyarakat*, 4(4), 3383–3389. <https://doi.org/10.31949/jb.v4i4.6544>
- Martin, K. (2011). *Vegetation Description And Data Analysis: A Practical Approach* (2nd Editio). Wiley-Blackwell.
- Mas'ud, W., Maulany, R. I., Putra, P. S., & Ngakan, P. O. (2023). Impacts of edge effects on the invasion of alien plant species in Bantimurung Bulusaraung National Park, Indonesia. *Biodiversitas Journal of Biological Diversity*, 24(11), 6160–6168. <https://doi.org/10.13057/biodiv/d241137>
- Maua, J. O., MugatsiaTsingalia, H., Cheboiwo, J., & Odee, D. (2020). Population structure and regeneration status of woody species in a remnant tropical forest: A case study of South Nandi forest, Kenya. *Global Ecology and Conservation*, 21, e00820. <https://doi.org/10.1016/j.gecco.2019.e00820>
- Maurya, M. J., & Vivek, M. (2025). Deforestation: Causes, Consequences and Possible Solutions. *Idealistic Journal of Advanced Research in Progressive Spectrums (IJARPS)* EISSN– 2583-6986, 4(01), 70–76. <https://journal.ijarps.org/index.php/IJARPS/article/view/552>
- Mayangsari Ayu, I., Bintoro, A., & Surnayanti. (2019). Identifikasi Jenis Tumbuhan Obat di Areal Garapan Petani KPPH Talang Mulya Tahura Wan Abdul Rachman Identification of Medicinal Plants in The Area of KPPH Farmer at Talang. *Jurnal Sylva Lestari*, 7(1), 1–9.
- McCarthy, B. C., & Magurran, A. E. (2004). Measuring Biological Diversity. *Journal of the Torrey Botanical Society*, 131(3), 277. <https://doi.org/10.2307/4126959>
- Meeussen, C., Govaert, S., Vanneste, T., Bollmann, K., Brunet, J., Calders, K., Cousins, S. A. O., De Pauw, K., Diekmann, M., Gasperini, C., Hedwall, P. O., Hylander, K., Iacopetti, G., Lenoir, J., Lindmo, S., Orczewska, A., Ponette, Q., Plue, J., Sanczuk, P., ... De Frenne, P. (2021). Microclimatic edge-to-interior gradients of European deciduous forests. *Agricultural and Forest Meteorology*,

- 311(May). <https://doi.org/10.1016/j.agrformet.2021.108699>
- Meisia, L., Rafdinal, R., & Ifadatin, S. (2020). Pemanfaatan Tumbuhan Obat Oleh Masyarakat Suku Melayu Di Desa Sungai Daun Kecamatan Selakau Kabupaten Sambas. *Jurnal Protobiont*, 9(1), 7–16. <https://doi.org/10.26418/protobiont.v9i1.39989>
- Mogale, M. M. P., Raimondo, D. C., & VanWyk, B. E. (2019). The ethnobotany of Central Sekhukhuneland, South Africa. *South African Journal of Botany*, 122, 90–119. <https://doi.org/10.1016/j.sajb.2019.01.001>
- Mukti, L. P. D., Sudarsono, S., & Sulistiyono, S. (2017). Keanekaragaman Jenis Tumbuhan Obat Dan Pemanfaatannya Di Hutan Turgo, Purwobinangun, Pakem, Sleman, Yogyakarta. *Kingdom (The Journal of Biological Studies)*, 5(5), 9–19. <https://doi.org/10.21831/kingdom.v5i5.5872>
- Mulu, M., Ntelok, Z. R. E., Sii, P., & Mulu, H. (2020). Ethnobotanical knowledge and conservation practices of indigenous people of mbeliling forest area, Indonesia. *Biodiversitas*, 21(5), 1861–1873. <https://doi.org/10.13057/biodiv/d210512>
- Murcia, C. (1995). Edge effects in fragmented forests: implications for conservation. *Trends in Ecology & Evolution*, 10(2), 58–62. [https://doi.org/10.1016/S0169-5347\(00\)88977-6](https://doi.org/10.1016/S0169-5347(00)88977-6)
- Napagoda, M. T., Sundarapperuma, T., Fonseka, D., Amarasiri, S., & Gunaratna, P. (2018). An Ethnobotanical Study of the Medicinal Plants Used as Anti-Inflammatory Remedies in Gampaha District, Western Province, Sri Lanka. *Scientifica*, 2018. <https://doi.org/10.1155/2018/9395052>
- Nasution, J., Riyanto, R., & Chandra, R. H. (2020). Kajian Etnobotani Zingiberaceae Sebagai Bahan Pengobatan Tradisional Etnis Batak Toba Di Sumatera Utara. *Media Konservasi*, 25(1), 98–102. <https://doi.org/10.29244/medkon.25.1.98-102>
- Nguyen, H. N., Ullevig, S. L., Short, J. D., Wang, L., Ahn, Y. J., & Asmis, R. (2021). *Ursolic Acid and Related Analogues : Triterpenoids with Broad Health Benefits*. 1–24.
- Ningsih, I. S., Chatri, M., & Advinda, L. (2023). *Flavonoid Active Compounds Found In Plants Senyawa Aktif Flavonoid yang Terdapat Pada Tumbuhan Abstrak Pendahuluan*. 8(2), 126–132.
- Nugroho, Y., Soendjoto, M. A., Suyanto, Matatula, J., Alam, S., & Wirabuana, P. Y. A. P. (2022). Traditional medicinal plants and their utilization by local communities around Lambung Mangkurat Education Forests, South Kalimantan, Indonesia. *Biodiversitas*, 23(1), 306–314. <https://doi.org/10.13057/biodiv/d230137>
- Nuroso, I., Sutrisna, E. M., Aisyah, R., & Rosyidah, D. U. (2021). Potensi Tanaman Salam (*Syzygium polyanthum* (Wight) Walp) Sebagai Terapi Kanker: Tinjauan Literatur. *Prosiding University Research Colloquium*, 88–97. <http://repository.urecol.org/index.php/proceeding/article/view/1337>
- Oguh, C. E., Obiwulu, E. N. O., Umezina, O. J., Ameh, S. E., Ugwu, C. V., & Sheshi, I. M. (2021). Ecosystem and Ecological Services; Need for Biodiversity Conservation-A Critical Review. *Asian Journal of Biology*, April, 1–14. <https://doi.org/10.9734/ajob/2021/v11i430146>
- Ortiz-Colin, P., & Hulshof, C. M. (2024). Ecotones as Windows into Organismal-to-Biome Scale Responses across Neotropical Forests. *Plants*, 13(17). <https://doi.org/10.3390/plants13172396>
- Otálora-Ardila, A., & López-Arévalo, H. F. (2021). Effect of the matrix-edge-forest interior gradient on the phyllostomid bats assemblage in sub-Andean forest fragments. *Caldasia*, 43(2), 274–285.

<https://doi.org/10.15446/caldasia.v43n2.85071>

- Padullés Cubino, J., Vilà-Cabrera, A., & Retana, J. (2024). Tree species abundance changes at the edges of their climatic distribution: An interplay between climate change, plant traits and forest management. *Journal of Ecology*, July, 2785–2797. <https://doi.org/10.1111/1365-2745.14419>
- Panmei, R., Gajurel, P. R., & Singh, B. (2019). Ethnobotany of medicinal plants used by the Zeliangrong ethnic group of Manipur, northeast India. *Journal of Ethnopharmacology*, 235(February), 164–182. <https://doi.org/10.1016/j.jep.2019.02.009>
- Pant, P., Pandey, S., & Dall'Acqua, S. (2021). The Influence of Environmental Conditions on Secondary Metabolites in Medicinal Plants: A Literature Review. *Chemistry and Biodiversity*, 18(11). <https://doi.org/10.1002/cbdv.202100345>
- Peñuelas, J., & Sardans, J. (2021). Global change and forest disturbances in the mediterranean basin: Breakthroughs, knowledge gaps, and recommendations. *Forests*, 12(5), 1–27. <https://doi.org/10.3390/f12050603>
- Pereira, F. C., Guilherme, F. A. G., & Marimon, B. S. (2021). Edge Effects on Successional Dynamics of Forest Fragments in the Brazilian Cerrado. *Floresta e Ambiente*, 28(2), 1–8. <https://doi.org/10.1590/2179-8087-FLORAM-2020-0063>
- Petrosillo, I., Aretano, R., & Zurlini, G. (2019). Socioecological Systems. *Encyclopedia of Ecology: Volume 1-4, Second Edition*, 4(July), 419–425. <https://doi.org/10.1016/B978-0-12-409548-9.09518-X>
- Pfeifer, M., Lefebvre, V., Peres, C. A., Wearn, O. R., & Marsh, C. J. (2018). *Europe PMC Funders Group Creation of forest edges has a global impact on forest vertebrates*. 551(7679), 187–191. <https://doi.org/10.1038/nature24457>
- Pöppel, F., & Seidl, R. (2021). Effects of stand edges on the structure, functioning, and diversity of a temperate mountain forest landscape. *Ecosphere*, 12(8). <https://doi.org/10.1002/ecs2.3692>
- Prayoga, D. G. E., Nocianitri, K. A., & Puspawati, N. N. (2019). Antioksidan Ekstrak Kasar Daun Pepe (*Gymnema Reticulatum* Br .) pada Berbagai Jenis Pelarut. *Jurnal Ilmu Dan Teknologi Pangan*, 8(2), 111–121.
- Purwanta, Jauharah Rafagusta Suhendar, & Aida Firzana, A. N. (2024). Potensi Tanaman Lokal sebagai Tanaman Biofarmaka untuk Kesehatan di Desa Lemahbang dan Desa Pucung, Kecamatan Kismantoro, Kabupaten Wonogiri. *Jurnal Pengabdian, Riset, Kreativitas, Inovasi, Dan Teknologi Tepat Guna*, 2(1), 220–234. <https://doi.org/10.22146/parikesit.v2i1.12323>
- Purwati, S., Lumora, S. V. T., & Samsuriyanto. (2017). Skrining Fitokimia Daun Saliara (*Lantana Camara* L) Sebagai Pestisida Nabati Penekan Hama Dan Insidensi Penyakit Pada Tanaman Holtikultura Di Kalimantan Timur. *Prosiding Seminar Nasional Kimia 2017*, 153–158.
- Putri, S. M., & Indriyanto. (2021). Plant Diversity of Bengkunt Protection Forest Vegetation in Resort III FMU (Forest Management Unit) 1 Pesisir Barat Sesilia. *Jurnal Hutan Tropis*, 9(1), 212–221.
- Qasrin, U., Setiawan, A., & Bintoro, A. (2020). MASYARAKAT SUKU MELAYU KABUPATEN LINGGA KEPULAUAN RIAU Ethnobotanical Study of Medicinal Plants for Used by Malay People in Lingga District the Kepulauan Riau Province. *Jurnal Belantara*, 3(2), 139–152.
- Razafimahefa, A. L., Nowak, M. M., Bogawski, P., Leong Pock Tsy, J. M., Faramalala, M. H., Rabakonandrianina, E., Roger, E., & Razanamaro, O. H. (2022). Effect of habitat fragmentation on the generative growth of *Adansonia rubrostipa* in dry deciduous forest in western Madagascar. *Global Ecology and*

- Conservation*, 34(December 2021), 0–5.
<https://doi.org/10.1016/j.gecco.2022.e02022>
- Razali, N., Ismail, M. H., Kamarudin, N., & Zaki, P. H. (2014). Short communication: Effect of skid trails on the regeneration of commercial tree species at Balah forest reserve, Kelantan, Malaysia. *Biodiversitas*, 15(2), 240–244.
<https://doi.org/10.13057/biodiv/d150218>
- Reddy, C. S., Sreelekshmi, S., Jha, C. S., & Dadhwal, V. K. (2013). National assessment of forest fragmentation in India: Landscape indices as measures of the effects of fragmentation and forest cover change. *Ecological Engineering*, 60, 453–464. <https://doi.org/10.1016/j.ecoleng.2013.09.064>
- Regina Marinta Sinaga, Fikarwin Zuska, & Panal Sitorus. (2021). Indegenous Healer Knowledge About Illness and The Way to Make Traditional Medicine. *Indonesian Journal of Medical Anthropology*, 2(1), 43–47.
<https://doi.org/10.32734/ijma.v2i1.5297>
- Riza Linda, F. D. W. R. (2018). Etnobotani Tumbuhan Obat Suku Melayu Desa Durian Sebatang Kecamatan Seponti Kabupaten Kayong Utara. *Jurnal Protobiont*, 7(3), 36–46. <https://doi.org/10.26418/protobiont.v7i3.29077>
- Rizka, D., Pulungan, A., Syahfitri, D., & Adelia, D. (2024). Daun Salam (*Syzygium polyanthum*) Rempah Khas Indonesia dengan Berbagai Manfaat Farmakologi : Literature Review. 4(3), 423–437. <https://doi.org/10.37311/ijpe.v4i3.28452>
- Roy, M., Sarkar, B. C., Shukla, G., Vineeta, Debnath, M. K., Nath, A. J., Bhat, J. A., & Chakravarty, S. (2022). Traditional homegardens and ethnomedicinal plants: Insights from the Indian Sub-Himalayan region. *Trees, Forests and People*, 8(February), 100236. <https://doi.org/10.1016/j.tfp.2022.100236>
- Saeed, S., Yujun, S., Beckline, M., Chen, L., Zhang, B., Ahmad, A., Mannan, A., Khan, A., & Iqbal, A. (2019). Forest edge effect on biomass carbon along altitudinal gradients in Chinese Fir (*Cunninghamia lanceolata*): A study from Southeastern China. *Carbon Management*, 10(1), 11–22.
<https://doi.org/10.1080/17583004.2018.1537517>
- Sanka, I., Kusuma, A. B., Martha, F., Hendrawan, A., Pramanda, I. T., Wicaksono, A., Jati, A. P., Mazaya, M., Dwijayanti, A., Izzati, N., Maulana, M. F., & Widyaningrum, A. R. (2023). Synthetic biology in Indonesia: Potential and projection in a country with mega biodiversity. *Biotechnology Notes*, 4(February), 41–48. <https://doi.org/10.1016/j.biotno.2023.02.002>
- Santosa, T. A., Arsih, F., Lufri, ., Festiyed, ., Ilwandri, ., & Suhaimi, . (2023). Studi Etnobotani Tumbuhan Obat Dalam Masyarakat Adat Tigo Luhah Tanah Sekudung Siulak Kabupaten Kerinci. *Ekologia*, 23(1), 23–33.
<https://doi.org/10.33751/ekologia.v23i1.7601>
- Saragih, D. E., & Arsita, E. V. (2019). Kandungan fitokimia *Zanthoxylum acanthopodium* dan potensinya sebagai tanaman obat di wilayah Toba Samosir dan Tapanuli Utara, Sumatera Utara. *Prosiding Seminar Nasional Masyarakat Biodiversitas Indonesia*, 5(1), 71–76. <https://doi.org/10.13057/psnmbi/m050114>
- Sari, A. A., & Hariyati, Y. (2020). Pemanfaatan Etnobotani Masyarakat Tengger Untuk Obat Herbal dan Upacara Adat. *Agriekonomika*, 9(2), 215–230.
<https://doi.org/10.21107/agriekonomika.v9i2.8033>
- Schlüter, M., Haider, L. J., Lade, S. J., Lindkvist, E., Martin, R., Orach, K., Wijermans, N., & Folke, C. (2019). Capturing emergent phenomena in social-ecological systems: An analytical framework. *Ecology and Society*, 24(3).
<https://doi.org/10.5751/ES-11012-240311>
- Seidl, R., & Turner, M. G. (2022). Post-disturbance reorganization of forest

- ecosystems in a changing world. *Proceedings of the National Academy of Sciences of the United States of America*, 119(28), 1–10. <https://doi.org/10.1073/pnas.2202190119>
- Semenya, S. S., & Maroyi, A. (2019). Source, harvesting, conservation status, threats and management of indigenous plant used for respiratory infections and related symptoms in the Limpopo province, south Africa. *Biodiversitas*, 20(3), 790–811. <https://doi.org/10.13057/biodiv/d200325>
- Sentinella, A. T., Warton, D. I., Sherwin, W. B., Offord, C. A., & Moles, A. T. (2020). Tropical plants do not have narrower temperature tolerances, but are more at risk from warming because they are close to their upper thermal limits. *Global Ecology and Biogeography*, 29(8), 1387–1398. <https://doi.org/10.1111/geb.13117>
- Setiarno, Hidayat, N., T.A., B., & Luthfi S., M. (2022). Komposisi Jenis Dan Struktur Komunitas Serta Keanekaragaman Jenis Vegetasi Di Areal Cagar Alam Bukit Tangkiling. *Hutan Tropika*, 15(2), 150–162. <https://doi.org/10.36873/jht.v15i2.2170>
- Shahzad, K., Ali, W. S., Muhammad, S., Dai, J., Zeb, U., & Zhu, M. (2024). Assessment of plant biodiversity in tropical dry forests of Sialkot, Pakistan; insight into environmental, anthropogenic influence and conservation strategies. *Frontiers in Forests and Global Change*, 7(May), 1–14. <https://doi.org/10.3389/ffgc.2024.1362117>
- Shapiro, A. C., Aguilar-Amuchastegui, N., Hostert, P., & Bastin, J. F. (2016). Using fragmentation to assess degradation of forest edges in Democratic Republic of Congo. *Carbon Balance and Management*, 11(1). <https://doi.org/10.1186/s13021-016-0054-9>
- Siahaan, E. N. R., Hatta, G. M., & Rudy, S. (2022). POTENSI DAN PROSPEK PENGEMBANGAN TANAMAN SIMPUR (*Dillenia indica* L) DI KHDTK KINTAP KECAMANTAN KINTAP KALIMANTAN SELATAN Potential and prospects for the development of simpur (*Dillenia indica* L) plants in. 05(3), 446–455.
- Silalahi, M., Nisyawati, N., & Wahyuningtyas, R. S. (2022). Kajian Etnobotani Tumbuhan Obat Oleh Masyarakat Lokal Etnis Batak Mandailing di Desa Tanjung Julu, Kabupaten Mandailing Natal, Sumatra Utara. *Al-Kauniah: Jurnal Biologi*, 15(1), 107–120. <https://doi.org/10.15408/kauniah.v15i1.17958>
- Silalahi, M., Walujo, E. B., Mustaqim, W., Biologi, P. P., Biologi, D., & Botani, D. (2018). *Etnomedisin SumUt*. 19(2), 77–92.
- Siminski, A., Zambiasi, D. C., dos Santos, K. L., & Fantini, A. C. (2021). Dynamics of Natural Regeneration: Implications for Landscape Restoration in the Atlantic Forest, Brazil. *Frontiers in Forests and Global Change*, 4(March), 1–15. <https://doi.org/10.3389/ffgc.2021.576908>
- Singh, S. (2018). Understanding the role of slope aspect in shaping the vegetation attributes and soil properties in Montane ecosystems. *Tropical Ecology*, 59(3), 417–430. www.tropecol.com
- Somashekhar, M., Nayeem, N., & Sonnad, B. (2018). *a Review on Family Moraceae(Mulberry) With a Focus on Artocarpus Species*. January 2013. www.wjpps.com
- Storch, D., Šimová, I., Smyčka, J., Bohdalková, E., Toszogyova, A., & Okie, J. G. (2022). Biodiversity dynamics in the Anthropocene: how human activities change equilibria of species richness. *Ecography*, 2022(4), 1–19. <https://doi.org/10.1111/ecog.05778>

- Stuper-Szablewska, K., Szablewski, T., Przybylska-Balcerek, A., Szwajkowska-Michalek, L., Krzyżaniak, M., Świerk, D., Cegielska-Radziejewska, R., & Krejpcio, Z. (2023). Antimicrobial Activities Evaluation and Phytochemical Screening of Some Selected Plant Materials Used in Traditional Medicine. *Molecules*, 28(1), 1–20. <https://doi.org/10.3390/molecules28010244>
- Suárez, M. E. (2019). Medicines in the forest: Ethnobotany of wild medicinal plants in the pharmacopeia of the Wichí people of Salta province (Argentina). *Journal of Ethnopharmacology*, 231, 525–544. <https://doi.org/10.1016/j.jep.2018.10.026>
- Sukarna, R. M. (2022). Interaksi Manusia Dan Lingkungan Dalam Perspektif Antroposentrisme, Antropogeografi Dan Ekosentrisme. *Hutan Tropika*, 16(1), 84–100. <https://doi.org/10.36873/jht.v16i1.2969>
- Susiarti, S. (2015). *Pengetahuan dan pemanfaatan tumbuhan obat masyarakat lokal di Pulau Seram, Maluku*. 1, 1083–1087. <https://doi.org/10.13057/psnmbi/m010519>
- Syafa Ayuningrum, L., Setyaningrum, M., Rosida Agustin, M., Aurelia Sabrina, M., Nurul Arifiani, K., Abu Nazar, I., Naim, D., & Dwi Setyawan, A. (2024). Ethnobotanical study of homegarden by local communities in the urban area of Surakarta City, Central Java, Indonesia. *Asian Journal of Ethnobiology*, 7(2), 79–88. <https://doi.org/10.13057/asianjethnobiol/y070201>
- Syafitri, Y., Wasanti, I. H., & Puspasari, H. (2022). Isolasi dan Identifikasi Senyawa Flavonoid Madu Hutan (Apis dorsata) Kapuas Hulu dengan Metode KLT dan Spektrofotometri UV-Vis. *Jurnal Farmasi Sains Dan Terapan*, 9(1), 17–23. <https://doi.org/10.33508/jfst.v9i1.2775>
- Tigreros, N., Kozhoridze, G., Davidowitz, G., & Ziv, Y. (2023). Influence of the direct and indirect effects of habitat fragmentation, via microclimate change, on animal locomotion. *Landscape Ecology*, 38(3), 847–859. <https://doi.org/10.1007/s10980-022-01588-5>
- Tinya, F., Kovács, B., Bidló, A., Dima, B., Király, I., Kutszegi, G., Lakatos, F., Mag, Z., Márialigeti, S., Nascimbene, J., Samu, F., Siller, I., Szél, G., & Ódor, P. (2021). Environmental drivers of forest biodiversity in temperate mixed forests – A multi-taxon approach. *Science of the Total Environment*, 795. <https://doi.org/10.1016/j.scitotenv.2021.148720>
- Touarfia, M., Bouali, N., Djouamaa, A., Maazi, M. C., & Houhamdi, M. (2021). Influence of edaphic factors on the structure and distribution of plant species in and around mekeiman marsh wetland, northeast of Algeria. *Biodiversitas*, 22(6), 3219–3228. <https://doi.org/10.13057/biodiv/d220625>
- Tuff, K. T., Tuff, T., & Davies, K. F. (2016). A framework for integrating thermal biology into fragmentation research. *Ecology Letters*, 19(4), 361–374. <https://doi.org/10.1111/ele.12579>
- Ulandari, A. S., & Sani, S. K. (2023). Identifikasi Senyawa Metabolit Sekunder Ekstrak Metanol Daun dan Kulit Batang Banten (*Lannea coromandelica*) Menggunakan GC-MS Sebagai Tanaman Obat. *Jurnal Ilmu Kefarmasian*, 4(1), 81–86.
- Valentino, N., Latifah, S., & Hadi, M. A. (2022). Bioprospection of Potential Medicinal Plant Diversity in the Wana Lestari Community Forest, Karang Sidemen Village. *Jurnal Penelitian Pendidikan IPA*, 8(SpecialIssue), 101–111. <https://doi.org/10.29303/jppipa.v8ispecialissue.2477>
- Viljur, M. L., Abella, S. R., Adámek, M., Alencar, J. B. R., Barber, N. A., Beudert, B., Burkle, L. A., Cagnolo, L., Campos, B. R., Chao, A., Chergui, B., Choi, C. Y., Cleary, D. F. R., Davis, T. S., Dechnik-Vázquez, Y. A., Downing, W. M.,

- Fuentes-Ramirez, A., Gandhi, K. J. K., Gehring, C., ... Thorn, S. (2022). The effect of natural disturbances on forest biodiversity: an ecological synthesis. *Biological Reviews*, 97(5), 1930–1947. <https://doi.org/10.1111/brv.12876>
- Vinod, N., Slot, M., McGregor, I. R., Ordway, E. M., Smith, M. N., Taylor, T. C., Sack, L., Buckley, T. N., & Anderson-Teixeira, K. J. (2023). Thermal sensitivity across forest vertical profiles: patterns, mechanisms, and ecological implications. *New Phytologist*, 237(1), 22–47. <https://doi.org/10.1111/nph.18539>
- Vivekananda, I. B. L. (2023). Efektivitas Daun Jambu Biji Dalam Mengatasi Diare. *JOURNAL SCIENTIFIC OF MANDALIKA (JSM) e-ISSN 2745-5955 | p-ISSN 2809-0543*, 4(9), 173–178. <https://doi.org/10.36312/10.36312/vol4iss9pp173-178>
- Wahyuni, A. (2016). Jurnal Ipteks Terapan. In *Pengaruh Pemberian Air Rebusan Daun Salam (Syzygium polyanthum) Terhadap Penurunan Kadar Asam Urat*. <https://doi.org/http://dx.doi.org/10.22216/jit.2016.v10i2.440>
- Wibisono, Y., & Azham, Z. (2017). Obat pada Plot Konservasi Tumbuhan Obat di KHDTK Kutai Kartanegara Samboja Kecamatan Samboja Kabupaten Kutai KARTanegara. *Jurnal AGRIFOR*, 16(1), 125–140.
- Wieczynski, D. J., Boyle, B., Buzzard, V., Duran, S. M., Henderson, A. N., Hulshof, C. M., Kerkhoff, A. J., McCarthy, M. C., Michaletz, S. T., Swenson, N. G., Asner, G. P., Bentley, L. P., Enquist, B. J., & Savage, V. M. (2019). Climate shapes and shifts functional biodiversity in forests worldwide. *Proceedings of the National Academy of Sciences of the United States of America*, 116(2), 587–592. <https://doi.org/10.1073/pnas.1813723116>
- Wulder, M. A., White, J. C., Han, T., Coops, N. C., Cardille, J. A., Holland, T., & Grills, D. (2008). Monitoring Canada's forests. Part 2: National forest fragmentation and pattern. *Canadian Journal of Remote Sensing*, 34(6), 563–584. <https://doi.org/10.5589/m08-081>
- Xiong, Y., Sui, X., Ahmed, S., Wang, Z., & Long, C. (2020). Ethnobotany and diversity of medicinal plants used by the Buyi in eastern Yunnan, China. *Plant Diversity*, 42(6), 401–414. <https://doi.org/10.1016/j.pld.2020.09.004>
- Yeshi, K. (2022). Plant Secondary Metabolites Produced in Response to Abiotic Stresses Has Potential Application in Pharmaceutical Product Development. In *Molecules* (Vol. 27, Issue 1). <https://doi.org/10.3390/molecules27010313>
- Yu, Z., Chen, X., Zhou, G., Agathokleous, E., Li, L., Liu, Z., Wu, J., Zhou, P., Xue, M., Chen, Y., Yan, W., Liu, L., Shi, T., & Zhao, X. (2022). Natural forest growth and human induced ecosystem disturbance influence water yield in forests. *Communications Earth and Environment*, 3(1), 1–8. <https://doi.org/10.1038/s43247-022-00483-w>
- Yuliana, C., & Mengkudu, S. P. B. (2015). PENGGUNAAN BUAH MENGGUDU (*Morinda citrifolia*L.)UNTUK MENURUNKAN TEKANAN DARAH TINGGI. *Morinda Citrifolia L.) Untuk Menurunkan Tekanan Darah Tinggi J MAJORITY* |, 4, 34–40.
- Yusro, F., Pranaka, R. N., Budiastutik, I., & Mariani, Y. (2020). Pemanfaatan Tumbuhan Obat oleh Masyarakat Sekitar Taman Wisata Alam (TWA) Bukit Kelam, Kabupaten Sintang, Kalimantan Barat. *Jurnal Sylva Lestari*, 8(2), 255–272. <http://jurnal.fp.unila.ac.id/index.php/JHT/article/view/3811>
- Yustiningsih, M. (2019). Intensitas Cahaya dan Efisiensi Fotosintesis pada Tanaman Naungan dan Tanaman Terpapar Cahaya Langsung [Light Intensity and Photosynthetic Efficiency in Shade Plants]. *Bioedu*, 4(2), 43–48.

- Zaki, A. G. A., Pertiwi, Y. A. B., Nufus, M., & Sakya, A. T. (2022). The Composition of Undergrowth Vegetation in Forest Area with the Special Purpose of Gunung Bromo, Karangayar, Central Java, Indonesia. *Jurnal Sylva Lestari*, 10(1), 127–140. <https://doi.org/10.23960/jsl.v10i1.553>
- Zeeshan Bhatti, M., Ismail, H., & Khan Kayani, W. (2022). Plant Secondary Metabolites: Therapeutic Potential and Pharmacological Properties. *Secondary Metabolites - Trends and Reviews*, May. <https://doi.org/10.5772/intechopen.103698>
- Zen, A. P., & Fertilita, S. (2023). Biomedical Journal of Indonesia. *Biomedical Journal of Indonesia*, 9(3), 75–79. <https://doi.org/https://doi.org/10.32539/BJI.v9i3.167>
- Zikra, M., Suntoyo, & Lukijanto. (2015). Climate Change Impacts on Indonesian Coastal Areas. *Procedia Earth and Planetary Science*, 14(December), 57–63. <https://doi.org/10.1016/j.proeps.2015.07.085>
- Zimmerman, M., Peterson, N. A., & Zimmerman, M. A. (2016). *Beyond the Individual : Toward a Nomological Network of Organizational Empowerment Beyond the Individual : Toward a Nomological Network of Organizational Empowerment*. 34(October 2004). <https://doi.org/10.1023/B>

