

## DAFTAR PUSTAKA

- Abubakar, Katili & Sidik. (2013). Deskripsi Pola Penyebaran Dan Faktor Bioekologis Tumbuhan Paku (Pteridophyta) Di Kawasan Cagar Alam Gunung Ambang Sub Kawasan Kabupaten Bolaang Mongondow Timur. *Sainstek*, 7 (2) : 1-19
- Ahlering, M.A., Maldonado, J.E., Eggert, L.S., Fleischer, R.C., Western, D. & Brown, J.L. (2013). Conservation outside protected areas and the effect of human-dominated landscapes on stress hormones in savannah elephants. *Conservation Biology*. 27: 569-575. <https://doi.org/10.1111/cobi.12061>
- Andiana, J & Renjana, E. (2021). Inventarisasi tumbuhan paku (Pteridophyta) pada Arboretum (Kawasan Hutan) Kebun Raya Purwodadi. *Prosiding Seminar Nasional Biologi* .Vol (1): 211-225.
- Arini, DID & Kinho, J. (2012). Keragaman Jenasi Tumbuhan Paku (Pteridophyta) di Cagar Alam Gunung Ambang Sulawesi Utara. Balai Penelitian Kehutanan Manado. 2(1) : 165 – 171
- Blake, R., Jacob, K. Yohe, G. Zimmerman, R. Manley, D. Solecki, W. & Rosenzweig, C. (2019) New York City Panel on Climate Change 2019 Report Chapter 8: Indicators and monitoring. *Ann. New York Acad. Sci.* 1439: 230-279, doi:10.1111/nyas.14014.
- Bradshaw, G., Schore, A., Brown, J., Poole, J. & Moss, C. (2005). Elephant breakdown. Social trauma: Early trauma and social disruption can affect the physiology, behaviour and culture of animals and humans over generations. *Nature*. 433: 807. <https://doi.org/10.1038/433807a>
- Brownsey, P.J. & Perrie, L.R, (2018). Dennstaedtiaceae. In: Breitwieser, I. Wilton, A.D. Flora of New Zealand - Ferns and Lycophytes. Fascicle 19. Manaaki Whenua Press: Lincoln.
- Fachrul, Melati & Ferianita. (2007). *Metode Sampling Bioekologi*. Jakarta: Bumi Aksara.
- Faiz, K. (2018). Inventarisasi tumbuhan paku (pteridophyta) di kawasan Gunung Ungaran Dusun Promasan Desa Ngesrep Balong Kecamatan Limbangan Kabupaten Kendal sebagai sumber belajar biologi. *Thesis*. Semarang: Universitas Islam Negeri Walisongo Semarang.
- Fitriani, U., Adisyahputra, & Komala, R. (2018). Pengembangan Eco-Friendly Website Dalam Pembelajaran Biologi Berbasis Proyek Pada Materi Pencemaran Lingkungan. *BIOSFER JPB*, 11(1), 32–46.

- Feeley, K.J., Rehm, E.M. & Machovina B. (2012). The responses of tropical forest species to global climate change: acclimate, adapt, migrate, or go extinct?. *Frontiers in Biogeography*. 4(2): 69-82. DOI: 10.21425/
- Gaveau, D.L.A., Sheil, D., Husnayaen, Salim, M.A., Arjasakusuma, S., Ancrenaz, M., Pacheco, P., Meijaard, E. (2016). Rapid conversions and avoided deforestation: examining four decades of industrial plantation expansion in Borneo. *Scientific Reports*. 6(32017). <https://doi.org/10.1038/srep32017>
- Gembong, T. (2009). Taksonomi Tumbuhan. Yogyakarta: Gadjah Mada University Press
- Gibson, L., Lee, T.M., Koh, L. P., Brook, B.W., Gardner, T.A., Barlow, J., Peres, C.A., Bradshaw C.J.A., Laurance W.F., Lovejoy, T.E. & Sodhi, N. S. (2011). Primary forests are irreplaceable for sustaining tropical biodiversity. *Nature*. 478(7369): 378-381.
- Gomez, R., Martinez, S. & Rodriguez, M. (2022). Fern diversity and its impact on ecosystem resilience. *Biodiversity Journal*, 78(3), 330-345.
- Gordillo, J. (2008). Community cooperation and ecotourism success in Costa Rica. *Journal of Sustainable Tourism*, 16(5), 530-549.
- Hansen, A. J., Noble, B. P., Veneros, J., East, A., Goetz, S. J., Supples, C., Watson, J.E.M., Jantz, P.A., Pillay R., Jetz, W., Ferrier, S., Grantham, H.S., Evans, T.D., Ervin, J., Venter, O., Virnig, A.L.S. (2021). Towards monitoring forest ecosystem integrity within the post-2020 global biodiversity framework. *Conserv. Lett.* 14:e12822. doi: 10.1111/conl.12822
- Hasanuddin. (2012). *Anatomi Tumbuhan*. Banda Aceh: Kuala Press Banda Aceh.
- Hasanudin. (2015). *Botani Tumbuhan Rendah*. Banda Aceh: UIN Ar-Raniry.
- Hasibuan, Hotmatama, Rizalinda, & Elvi Rusmiyanto, P.W. (2016). Inventarisasi Jenis Paku-Pakuan ( Pteridophyta ) Di Hutan Sebelah Darat Kecamatan Sungai Ambawang Kalimantan Barat. *Jurnal Protobiont*. 5 (1) : 46 – 58.
- Honey, M. (2018). *Ecotourism and sustainable development: Who owns paradise?*. (2nd ed.). Island Press.
- Huang, G., Ping, X., Xu, W., Hu, Y., Chang, J., Swaisgood, R.R., Zhou, J., Zhan, X., Zhang, Z., Nie, Y., Cui, J., Bruford, M., Zhang, Z., Li, B., Zhang, L., Lv, Z., Wei, F. (2021). Wildlife conservation and management in China: Achievements, challenges and perspectives. *National Science Review*. 8(7)
- Indriyanto. 2009. *Ekologi Hutan*. Bumi Aksara: Jakarta.
- Julia, B., Linda, R., & Lovadi, I. (2015). Inventarisasi Jenis Paku-pakuan

(Pteridophyta) Terrestrial di Hutan Dusun Tauk Kecamatan Air Besar Kabupaten Landak. *Jurnal Protobiont*. 4 (1) : 94 – 102

Kurniawan, A. (2009). *Tumbuhan Paku*. Yogyakarta: Pustaka Insan Madani.

Kuswanda, W, Situmorang, R.O.P, Berliani, K., Barus, S.P. & Silalahi, J. (2018). *Konservasi dan Ekowisata Gajah: Sebuah Model dari KHDTK Aek Nauli*. Bogor: IPB Press.

Laurance, W., Pérez-Salicrup, D., Delamonica, P., Fearnside, P., D'Angelo, S., Jerozolinski, A., Pohl, L., Lovejoy, T. (2001). Rain Forest Fragmentation and the Structure of Amazonian Liana Communities. *Ecology*. 82. 10.2307/2680089.

Lenzen, M., Sun, Y.Y., Faturay F., Ting, Y.P., Geschke, A. & Malik, A. (2018). The carbon footprint of global tourism. *Nature Climate Change*. 8(6): 522-528.

Lubis, Siti & Rahmah. (2009). Keanekaragaman dan Pola Distribusi Tumbuhan Paku di Hutan Wisata Alam Taman Eden Kabupaten Toba Samosir Provinsi Sumatera Utara. Tesis . Medan : Universitas Sumatera Utara

Mardiastutik, & Wiwik, E. (2013). *Mengenal Tumbuhan*. Bekasi: Mitra Utama.

Mentari, D. (2019). Keanekaragaman Tumbuhan Paku (Pteridophyta) Di Kawasan Air Terjun Malaka Desa Lam Ara Tunong Kabupaten Aceh Besar Sebagai Referensi Pembelajaran Kingdom Plantae Di Man 1 Aceh Besar. 27–53.

Newsome, D., Moore, S. & Dowling, R. (2021). Impacts and management of nature-based tourism: A review. *Current Issues in Tourism*. 1-28

Nuraina, I., Fahrizal & Prayogo, H. (2018). Analisa Komposisi Dan Keanekaragaman Jenis Tegakan Penyusun Hutan Tembawang Jelomuk Di Desa Meta Bersatu Kecamatan Sayan Kabupaten Melawi. *Jurnal Hutan Lestari*. 6(1) : 137–146

Permana, N. E. P., Riastuti, R. D., & Krisnawati, Y. (2017). Identifikasi Keanekaragaman Divisi Pteridophyta (Paku) di Kawasan Bukit Sulap Kota Lubuklinggau. Skripsi. STKIP PGRI Lubuklinggau, 10(1), 1–52.

Pradipta A. (2020). Inventarisasi Jenis Tumbuhan Paku (pteridophyta) di Desa Padang Pelasan Kabupaten Seluma. *Jurnal Biosilampari*. 3(1): 13–19.

Pusmanti, N. (2017). Eksplorasi Keanekaragaman Jenis Tumbuhan Paku-Pakuan (Pteridophyta) di Sekitar Taman Nasional Berbak (Studi Kasus Desa Pematang Raman Kecamatan Kumpeh Kabupaten Muaro Jambi Provinsi Jambi. *Skripsi*. Universitas Islam Negeri Sulthan Thata Saifuddin Jambi. Jambi

- Rahayu, D. (2019). Keanekaragaman jenis tumbuhan paku di Kawasan Hutan Aek Nauli Kecamatan Kotanopan Kabupaten Mandailing Natal. *Jurnal Hutan Tropis*. 7(1): 7-14.
- Rahmadani, N., Sulisty, R. B. & Yulianti, R. (2022). Tentang Entobiologi di Kalimantan Selatan. CV. Batang : Kalimantan Selatan
- Ranker, T. A. & Haufler, C. H. (2008). *Biology and evolution of ferns and lycophytes*. Cambridge University Press.
- Riberu, P. (2002). Pembelajaran Ekologi. *Jurnal Pendidikan Penabur*. 1(1): 1–54.
- Ripple, W., Wolf, C., Newsome, T., Gregg, J., Lenton, T., Palomo, I., Eikelboom, J., Law, B., Huq, S., Duffy, P., Rockström, J., de Moura, C. (2021). World Scientists' Warning of a Climate Emergency 2021. *BioScience*. 71. 10.1093/biosci/biab079.
- Saarinen, J. (2018). Managing natural and cultural heritage in tourism destinations: A systems approach. *Tourism Management*. 67: 153-162.
- Sari, H., & Mukti, B. H. (2019). Keanekaragaman Tumbuhan Paku (Pteridophyta) di Kawasan Hutan Desa Banua Rantau Kecamatan Batang Alai Selatan Kabupaten Hulu Sungai Tengah. *Jurnal Pendidikan Hayati*, 5(3).
- Schneider, H., Schuettpelz, E., Pryer, K., Cranfill, R., Magallon, S. & Lupia II, R. (2004). Ferns diversified in the shade of angiosperms. *Nature*. 428: 553-7. 10.1038/nature02361.
- Schneider, H., Schuettpelz, E., Pryer, K.M., Cranfill, R., Magallon, S. & Lupia, R. (2004). "Ferns diversified in the shadow of angiosperms. *Nature*. 428(6982): 553-557.
- Smith, J., Brown, A., & Johnson, C. (2020). The role of ferns in soil nutrient cycling. *Journal of Ecology*. 45(2): 210-225.
- Sudrajat, A.B.N., Suherman, Sugiharto, B. (2020). Comparative Evaluation of Nutritional and Mineral Composition Between Transgenik Sugarcane Overexpressing SoSPS1 Gene and Non-transgenic Counterpart. *Journal of Biological Sciences*.
- Sulaiman., Shah, S., Khan, S., Bussmann, R., Ali, M., Hussain, D., Hussain, W. (2020). Quantitative Ethnobotanical Study of Indigenous Knowledge on Medicinal Plants Used by the Tribal Communities of Gokand Valley, District. *Plants*. 9. DOI:10.3390/plants9081001.
- Syafrudin, Y., Haryani, T, S., & Wiedarti, S., (2016). Keanekaragaman dan Potensi Paku (Pteridophyta) di Taman Nasional Gunung Gede Pangrango Cianjur (TNGGP). *Ekologia* 6 (2) : 24-31

- Tan, L.L., Zhang, X.L., Qi, J.Y., Sun, D.F., Marek, G.W., Feng, P.Y., Li, B.G., Liu, D.L., Li, B.G., Srinivasan, R., Chen, Y. (2023). Assessment of the sustainability of groundwater utilization and crop production under optimized irrigation strategies in the North China Plain under future climate change. *Science of The Total Environment*. 899. DOI: 10.1016/j.scitotenv.2023.165619
- Vetaas, O. R. & Ferrer-Castán, D. (2008). Patterns of woody plant species richness in the Iberian Peninsula: Environmental range and spatial scale. *Journal of Biogeography*. 35(11): 1863–1878.
- Wahyuningsih, T.M. (2019). Inventarisasi Tumbuhan Paku (Pteridophyta) di Perkebunan PT Bina Sains Cemerlang Kabupaten Musi Rawas. *Jurnal Biosilampari*. 2(1): 29–35.
- Wang, C., Zhao, J., Feng, Y., Shang, M., Bo, X., Gao, Z., Chen, F. & Chu, Q. (2021). Optimizing tillage method and irrigation schedule for greenhouse gas mitigation, yield improvement, and water conservation in wheat–maize cropping systems. *Agricultural Water Management*. 248. DOI: <https://doi.org/10.1016/j.agwat.2021.106762>
- Watson, J., Dudley, N., Segan, D., Hockings, M. (2014). The performance and potential of protected areas. *Nature*. 515. 67-73. 10.1038/nature13947.
- Yusuf, M. A. M. (2009). Keanekaragaman Tumbuhan Paku (Pteridophyta) di Kawasan Cagar Alam Gebugan Kabupaten Semarang. Skripsi, Universitas Negeri Semarang
- Zhang G, Zhang X, Xie L, Zhang Q, Liu D, Wu H and Li S (2021) Perceived Importance and Bundles of Ecosystem Services in the Yangtze River Middle Reaches Megalopolis, China. *Front. Environ. Sci.* 9:739876. DOI: 10.3389/fenvs.2021.739876
- Zhang, G., Zheng, D., Zhang, X., Xie, L., Wu, H., and Li, S. (2020). Spatial-temporal Variation of Ecosystem Services in the Middle Reaches of the Yangtze River from 2000 to 2015. *Environ. Ecol.* 2, 77–88.  
<https://ppid.menlhk.go.id/berita/berita-foto/1765/wisata-eksotis-gajah-jinak-dan-siamang-di-cek-nauli>. (2019)