

## DAFTAR PUSTAKA

- Arriaga-Weiss, S.L., Calme, S. & Kampichler, C. (2008) Bird communities in rainforest fragments: guild responses to habitat variables in Tabasco, Mexico. *Biodiversity Conservation*. 17. p. 173-190.
- Atikah, S.N., Yahya, M.S., Norhisham, A.R., *et al.* (2021) Effects of vegetation structure on avian biodiversity in a selectively logged hill dipterocarp forest. *Global Ecology and Conservation*. 28. p. 1-12.
- Bai, J., Weitekamp, C.A., Fyre, K. & Sieving, K.E. (2021) Homeward bound: canopy cover and species identity influence non-breeding season homing success and speed in forest birds. *Avian Research*. 12. p. 1-8.
- Balai Konservasi Sumber Daya Alam Yogyakarta. (2018) *Profil Daerah Penyangga Kawasan Konservasi Suaka Margasatwa Paliyan*. Yogyakarta: Balai KSDA Yogyakarta.
- Basile, M., Mikusinski, G. & Storch, I. (2019) Bird guilds show different responses to tree retention levels: a meta-analysis. *Glob. Ecol. Conserv.*
- Basile, M., Storch, I. & Mikusiński, G. (2021) Abundance, species richness and diversity of forest bird assemblages – The relative importance of habitat structures and landscape context. *Ecological Indicators*. 133. p. 1-13.
- Bennett, J.M., Clarke, R.H., Thomson, J.R. & Mac Nally, R. (2014) Variation in abundance of nectarivorous birds: does a competitive despot interfere with flower tracking?. *Journal of Animal Ecology*. 83. p. 1531-1541.
- Beutel, T.S., Beeton, R.J.S. & Baxter, G.S. (1999) Building Better Wildlife-Habitat Models. *Ecography*. 22(2). p. 219-223.
- Bibby, C., Neil, D.B. & David, H. (2004) *Bird Census Techniques*. United Kingdom: The Cambridge University Press.
- Blair, R.B. (1999) Birds and butterflies along an urban gradient: surrogate taxa for assessing biodiversity? *Ecol Appl*. 9. p. 164–70.
- Bunnell, F.L. (1990) Reproduction of salal (*Gaultheria shallon*) under forest canopy. *Canadian Journal of Forest Research*. 20. p. 91-100.
- Caitlin, M.R., Burke, I.C., Palmquist, K.A., *et al.* (2018) Reclamation after oil and gas development does not speed up succession or plant community recovery in big sagebrush ecosystems in Wyoming. *Restoration Ecology*. 26(1). p. 114-123.
- Carlo, T.A. & Morales, J.M. (2016) Generalist birds promote tropical forest regeneration and increase plant diversity via rare-biased seed dispersal. *Ecology*. 97(7). p. 1819-1831.

- Chettri, N., Deb, D.C., Sharma, E. & Jackson, R. (2005) The relationship between bird communities and habitat – a study along a trekking corridor in Sikkim Himalayas. *Mountain Research and Development*. 25. p. 235-243.
- Clements, F.E. (1974) *Plant Succession and indicators*. United States: Hassel Street Press.
- Cublet, E.S., Bateman, H.L., Riddle, S.B., *et al.* (2020) Predicting Bird Guilds Using Vegetation Composition and Structure on a Wild and Scenic River in Arizona. *Wetlands*. 40. p. 1829-1842.
- Dasman, R.F., Milton, J.P. & Freeman, P.H. (1973) *Ecological Principles for Economic Development*. London: Wiley.
- Diaz, L. (2006) Influences of forest type and forest structure on bird communities in oak and pine woodlands in Spain. *Forest Ecology and Management*. 223. p. 54-65.
- Diller, C., Castaneda-Zarate, M. & Johnson, S.D. (2019) Generalist birds outperform specialist sunbirds as pollinators of an African Aloe. *Biology Letters*. 15. p. 1-5.
- Djarwaningsih, T. (2002) Persebaran Geografis Jenis-jenis Pimelodendron (Euphorbiaceae) di Malesia. *Berita Biologi*. 6(3). p. 509-514.
- Djuwantoko, Pudyatmoko, S., Setiawan, A., *et al.* (2006) *Studi keanekaragaman jenis burung terkait dengan proses suksesi ekologi di Suaka Margasatwa Paliyan dan Hutan Pendidikan Wanagama, Kabupaten Gunung Kidul*. Prosiding Seminar.
- Dormann, C.F., Bagnara, M., Boch, S., *et al.* (2020) Plant species richness increases with light availability, but not variability, in temperate forests understorey. *BMC Ecology*. 20(43). p. 1-9.
- Egwumah, F.A., Egwumah, P.O. & Edet, D.I. (2017) Paramount Roles of Wild Birds as Bioindicators of Contamination. *International Journal of Avian & Wildlife Biology*. 2(6). p. 1-7.
- Faaborg, J., Arendt, W.J. & Kaiser, M.S. (1984) Rainfall Correlates of Bird Population Fluctuations in a Puerto Rican Dry Forest: A Nine Year Study. *Wilson Bull*. 96(4). p. 575-593.
- Fachrul, M.F. (2007) *Metode Sampling Bioekologi*. Jakarta: Bumi Aksara.
- Faggi, A.M. (1998) *The influence of NGOs in preserving green places in Buenos Aires City*. In: Breuste, J., Feldmann, H., Uhlmann, O. (eds) *Urban Ecology*. Springer, Berlin, Heidelberg.
- Fauth, J.E., Bernardo, J., Resetarits Jr., W.J., *et al.* (1996) Simplifying the jargon of community ecology: A conceptual approach. *The American Naturalist*. 147. p. 282–286.

- Freemark, K.E. & Merriam, H.G. (1986) Importance of area and habitat heterogeneity to bird assemblages in temperate forest fragments. *Biological Conservation*. 36(2). p. 115-141.
- Furness, R.W. & Greenwood, J.J.D. (1993) *Birds as Monitors of Environmental Change*. Cornwall: Chapman & Hall.
- Gil-Tena, A.S. & Saura, L.B. (2007) Effect of Forest Composition and Structure on Bird Species Richness in a Mediterranean Context; Implications For Forest Ecosystem Management. *For Ecol Mgmt*. 242(2). p. 470-476.
- Girma, Z., Mamo, Y., Mengesha, G., *et al.* (2017) Seasonal abundance and habitat use of bird species in and around Wondo Genet Forest, south-central Ethiopia. *Ecology and Evolution*. 7(10). p. 3397-3405.
- Gomes-Silva, A., Silva, I.M.S., Rodal, M. & Silva, A.C.B.L. (2008) Influence of Edge and Topography on Canopy and Sub-canopy Structure of an Atlantic Forest Fragment in Igarassu, Pernambuco State, Brazil. *Bioremediation, Biodiversity, and Bioavailability*. 2(1). p. 41-46.
- Gunanjar, A.C., Faruq, Putra, Y., *et al.* (2016) Kualitas Diversitas, Struktur Vegetasi di Area Hutan Sekunder dan Beberapa Agroforestri di Kawasan Wana Wisata Rawa Bayu, Kecamatan Songgon, Banyuwangi. *Jurnal Biotropika*. 4(2). p. 38-42.
- Gunawan, W., Basuni, S., Indrawan, A., *et al.* (2011) Analisis Komposisi dan Struktur Vegetasi Terhadap Upaya Restorasi Kawasan Hutan Taman Nasional Gunung Gede Pangrango. *Jurnal Pengelolaan Sumberdaya Alam dan Lingkungan*. 1(2). p. 93-105.
- Hall, L.S., Krausman, P.R. & Morrison, M.L. (1997) The habitat concept and a plea for standard terminology. *Wildlife Society Bulletin*. 25. p. 173-182.
- Hardy, A.R., Stanley, P.I. & Greig-Smith, P.W. (1987) Birds as indicators of the intensity of use of agricultural pesticides in the UK. *The Value of Birds*. p. 119-132.
- Harris, S.H. & Betts, M.G. (2021) Bird abundance is highly dynamic across succession in early seral tree plantations. *Forest Ecology and Management*. 483. p. 1-12.
- Hidayat, M. (2017) Analisis Vegetasi dan Keanekaragaman Tumbuhan di Kawasan Manifestasi Geothermal IE SUUM Kecamatan Mesjid Raya Kabupaten Aceh Besar. *Jurnal Biotik*. 5(2). p. 114-124.
- Honěk, A. & Hodek, I. (1996) Distribution in Habitats. In: Ecology of Coccinellidae. *Series Entomologica*. 54. p. 95-141.
- Huang, Q., Swatantran, A., Dubayah, R. & Goetz, S.J. (2014) The influence of vegetation height heterogeneity on forest and woodland bird species richness across the United States. *PLoS One*. 9(8).

- Hudaedi, D., Hariyadi & Anwar, S. (2018) Potensi Gamal (*Gliricidia sepium*) Sebagai Bahan Baku Pembangkit Listrik Tenaga Biomassa Studi Kasus: Kabupaten Manggarai Timur (NTT). *Journal of Env. Engineering & Waste Management*. 3(1). p. 13-20.
- Hussien, M.E.A.E. (2020) Relationship between vegetation height and species richness of birds in some wetlands of Sinnar State, Sudan. *Journal of Zoological Research*. 2(4). p. 14-18.
- Idilfitri, S. & Mohamad, N.H.N. (2012) Role of Ornamental Vegetation for Birds' Habitats in Urban Parks: Case study FRIM, Malaysia. *Procedia – Social and Behavioral Sciences*. 68. p. 894-909.
- Indriyanto. (2006) *Ekologi Hutan*. Jakarta: Penerbit Bumi Aksara.
- International Encyclopedia of Statistical Science. (2011) Springer.
- Jaksic, F.M. (1981) Abuse and Misuse of the Term 'Guild' in Ecological Studies. *Oikos*. 37(3). p. 397-400.
- Jama, B. & Zeila, A. (2005) Agroforestry in the drylands of eastern Africa: a call to action. *ICRAF Working Paper* – no. 1. Nairobi: World Agroforestry Centre.
- Janzen, D.H. & Schoener, T.W. (1968) Differences in insect abundance and diversity between wetter and drier sites during a tropical dry season. *Ecology*. 49(1). p. 96-110.
- Johnson, D.D.P. & Mighell, J.S. (1999) Dry-Season Bird Diversity in Tropical Rainforest and Surrounding Habitats in North-east Australia. *Emu-Austral Ornithology*. 99(2). p. 108-120.
- Julliard, R., Clavel, J., Devictor, V., *et al.* (2006) Spatial segregation of specialists and generalists in bird communities. *Ecology Letters*. 9. p. 1237-1244.
- Karr, J.R. (1971) A comparative study of the structure of avian communities in selected Panama and Illinois habitats. *Ecol. Monogr.* 43.
- Karr, J.R. (1976) Seasonality, Resource Availability, and Community Diversity in Tropical Bird Communities. *The American Naturalist*. 110(976). p. 973-994.
- Kaspari, M. (2001) Taxonomic level, trophic biology, and the regulation of local abundance. *Global Ecol. Biogeogr.* 10. p. 229-244.
- Kebrle, D., Zasadil, P., Hošek, J., *et al.* (2021) Large trees as a key factor for bird diversity in spruce-dominated production forests: Implication for conservation management. *Forest Ecology and Management*. 496. p. 1-12.
- Khamcha, D., Powell, L.A. & Gale, G.A. (2018) Effects of roadside edge on nest predators and nest survival of Asian tropical forest birds. *Global Ecology and Conservation*. 16. p. 1-19.

- Khan, M.S. (2017) Effect of forest composition on bird species abundance in tropical dry deciduous forest: A case of Bhimbandh Wildlife Sanctuary, India. *Biodiversitas*. 18(1). p. 78-85.
- Krebs, C.J. (1989) *Ecological Methodology*. New York: Harpercollins College Div.
- Kusuma, C. (1997) *Metode Survey Vegetasi*. Bogor: PT. Penerbit Institut Pertanian Bogor.
- Kuswanda, W. (2010) Pengaruh Komposisi Tumbuhan terhadap Populasi Burung di Taman Nasional Batang Gadis, Sumatera Utara. *Jurnal Penelitian Hutan dan Konservasi Alam*. 7(2).
- Laiolo, P. & Rolando, A. (2005) Forest bird diversity and ski-runs: a case of negative edge effect. *Anim. Conserv.* 7. p. 9-16.
- Lee, P.Y. & Rotenberry, J.T. (2005) Relationships between bird species and tree species assemblages in forested habitats of eastern North America. *Journal of Biogeography*. 32(7). p. 1139-1150.
- Lim, H.C. & Sodhi, N.S. (2004) Responses of avian guilds to urbanization in a tropical city. *Landscape and urban planning*. 66(4). p. 199-215.
- Lima, S.L. (1992) Vigilance and foraging bagiane: antipredatory, consideration in a non-standard environment. *Behavioral Ecology and Sociobiology*. 30. p. 283-289.
- Lindh, B.C. (2012) Understory herb and shrub responses to root trenching, pre-commercial thinning, and canopy closure in Douglas-fir forest of the western Cascades, Oregon. *Dissertation*. Oregon State University.
- Loreau, M., Naeem, S., Inchausti, P., *et al.* (2001) Biodiversity and ecosystem functioning: current knowledge and future challenges. *Science*. 294. p. 804-808.
- Magurran, A.E. (1988) *Ecological Diversity and Its Measurement*. Princeton: Princeton University Press.
- Maryadi. (2020) Membandingkan hasil uji statistika parametric dan nonparametric (Studi kasus: pelaksanaan kebijakan pengendalian dana idle pemerintahan daerah). *Journal of Applied Managerial Accounting*. 4(1). p. 142-149.
- Meichtry-Stier, K.S., Duplain, J., Lanz, M., *et al.* (2018) The importance of size, location, and vegetation composition of perennial fallows for farmland birds. *Ecology and Evolution*. p. 1-12.
- McElhinny, C., Gibbons, P., Brack, C. & Bauhus, J. (2005) Forest and woodland stand structural complexity: its definition and measurement. *Forest Ecology Management*. 218. p. 1-24.
- Montané, F., Guixé, D. & Camprodon, J. (2016) Canopy cover and understory composition determine abundance of *Vaccinium myrtillus* L., a key plant for capercaillie (*Tetrao urogallus*), in subalpine forests in the Pyrenees. *Plant Ecology and Diversity*. 9(2). p. 187-198.

- Morin, P.J. (1999) *Community Ecology*. Massachussetts: Blackwell Science Inc.
- Morin, P.J. (2011) *Community Ecology*. United States: John Wiley & Sons, Ltd.
- Mueller-Dombois, D. & Ellenberg, H. (1974) *Aims and Methods of Vegetation Ecology*. United States: Wiley and Sons.
- Müller, J., Stadler, J. & Brandl, R. (2010) Composition versus physiognomy of vegetation as predictors of bird assemblages: The role of lidar. *Remote Sensing of Environment*. 114. p. 490-495.
- Nelder, J.A. & Wedderburn. (1972) Generalized Linear Model. *Journal of the Royal Statistical Society*. 135(3).
- Noon, B.R. (1981) *The Use of Multivariate Statistics In Studies of Wildlife Habitat*. pg 42-52.
- O'Connell, T.J., Jackson, L.E. & Brooks, R.P. (2000) Bird Guilds as Indicators of Ecological Condition in the Central Appalachians. *Ecological Applications*. 10(6). p. 1706-1721.
- Odum, E.P. (1993) *Dasar-dasar Ekologi. Terjemahan Tjahjono Samingan*. Yogyakarta: Gadjah mada University Press.
- Parker, G.G. & Brown, M.J. (2000) Forest Canopy Stratification–Is It Useful? *The American Naturalist*. 155(4). p. 473-484.
- Patandung, A., Tasirin, J.S., Thomas, A. & Kainde, R.P. (2014) Struktur dan Komposisi Jenis Komunitas Burung di Lahan Pertanian Kawasan Hutan Lindung Gunung Mahawu Sulawesi Utara. *COCOS*. 4(5). p. 3.
- Peakall, D.B. & Boyd, H. (1987) *Birds as bio-indicators of environmental conditions*. In *The Value of Birds*. p. 113-118.
- Peraturan Pemerintah Republik Indonesia No. 68 Tahun 1998 tentang Kawasan Suaka Alam dan Kawasan Pelestarian Alam.
- Pudyatmoko, S. (2019) Habitat dan Interaksi Spatio-Temporal Merak Hijau dengan Sapi dan Herbivora Besar di Taman Nasional Baluran. *Jurnal Ilmu Kehutanan*. 13(1). p. 28-37.
- Purchart, L., Tuf, I.H., Hula, V., *et al.* (2013) Arthropod assemblages in Norway spruce monocultures during a forest cycle – A multi-taxa approach. *Forest Ecology and Management*. 306. p. 42-51.
- Putri, S.M., Indriyanto & Riniarti, M. (2019) Komposisi Jenis dan Struktur Vegetasi Hutan Lindung Bengkunt di Resort III KPH Unit I Pesisir Barat. *Jurnal Silva Tropika*. 3(1). p. 118-131.
- Rahman, J.U. (2021) Discussion on Shannon Wiener Diversity Index Score. [https://www.researchgate.net/post/Does anyone have experience using the Shannon Wiener Diversity Index Score](https://www.researchgate.net/post/Does_anyone_have_experience_using_the_Shannon_Wiener_Diversity_Index_Score) (diakses pada 19 Oktober 2022).



- Rajpar, M.N. & Zakaria, M. (2015) Bird abundance and its relationship with microclimate and habitat variables in open-area and shrub habitats in Selangor, Peninsular Malaysia. *The Journal of Animal & Plant Sciences*. 25(1). p. 114-124.
- Richards, P.W. (1996) *The Tropical Rain Forest: an Ecological Study*. London: Cambridge University Press.
- Ries, L., Fletcher, R., Battin, J. & Sisk, T.D. (2004) Ecological responses to habitat edges: mechanisms, models, and variability explained. *Annu. Rev. Ecol. Evol. Syst.* 35. p. 491-522.
- Riffell, S.K., Monroe, A.P., Martini, J.A., et al. (2015) Responses of non-grassland avian guilds to adjacent herbaceous field buffers: testing the configuration of targeted conservation practices in agricultural landscapes. *J. Appl. Ecol.* 52. p. 300-309.
- Roswell, M., Dushoff, J. & Winfree, R. (2021) A conceptual guide to measuring species diversity. *Oikos*. 130(3). p. 321-338.
- Ruiz-Jaén, M.C. & Aide, T.M. (2005) Vegetation structure, species diversity, and ecosystem processes as measures of restoration success. *Forest Ecology and Management*. 218. p. 159-173.
- Rutschke, E. (1987) *Waterfowl as bio-indicators*. In *The Value of Birds*. p. 167-172.
- Safanah, N.G., Nugraha, C.S., Partasasmita, R. & Husodo, T. (2017) Keanekaragaman jenis burung di Taman Wisata Alam dan Cagar Alam Pananjung Pangandaran, Jawa Barat. *Pros Sem Nas Masy Biodiv Indon.* 3(2). p. 266-272.
- Santillán, V., Quitián, M., Tinoco, B.A., et al. (2018) Spatio-temporal variation in bird assemblages is associated with fluctuations in temperature and precipitation along a tropical elevational gradient. *PLoS ONE*. 13(5). p. 1-15.
- Schaub, M., Martinez, N., Tagmann-Ioset, A., et al. (2010) Patches of bare ground as a staple commodity for declining ground-foraging insectivorous farmland birds. *PLoS ONE*. 5(10).
- Shah, S.B. & Sharma, H.P. (2022) Bird diversity and factors affecting bird abundance at Dullu Municipality, Dailekh, Nepal. *Biodiversitas*. 23(3) p. 1535-1545.
- Sigel, B.J., Douglas, R.W. & Sherry, T.W. (2010) Comparing bird community responses to forest fragmentation in two lowland Central American reserves. *Biological Conservation*. 143(2). p. 340-350.
- Silva, C.P., García, C.E., Estay, S.A., et al. (2015) Bird Richness and Abundance in Response to Urban Form in a Latin American City: Valdivia, Chile as a Case Study. *PLoS ONE*. 10(9). p. 1-16.

- Simberloff, D. & Dayan, T. (1991) The guild concept and the structure of ecological communities. *Annual Review of Ecology and Systematics*. 22(1). p. 115-143.
- Soegianto, A. (1994) *Ekologi Kuantitatif: Metode Analisis Populasi dan Komunitas*. Surabaya: Usaha Nasional.
- Soerianegara, I. & Indrawan, A. (2005) *Ekologi Hutan Indonesia*. Bogor: Laboratorium Ekologi Hutan Fakultas Kehutanan Institut Pertanian Bogor.
- Stamps, J. (2008) *Encyclopedia of Ecology*. p. 1807-1810.
- Sudaryanto, F.X., Hardini, J., Kalih, L.A.T.T.W.S., *et al.* (2019) Bird communities and vegetation composition in Nusa Penida, Bali, Indonesia. *Biodiversitas*. 20(12). p. 3676-3683.
- Sujatnika, P., Jepson, T.R., Suhartono, M.J., *et al.* (1995) *Conserving Indonesian Biodiversity. The Endemic Bird Area Approach*. PHPA/Birdlife International Indonesia Programme. Bogor.
- Undang-Undang Republik Indonesia Nomor 41 Tahun 1999 tentang Kehutanan.
- United Nations Framework Convention on Climate Change. (2002) *Report of the Conference of the Parties on its seventh session*. Marrakesh, 29 October - 10 November 2001.
- Vele, A., Holusa, J., Frouz, J., *et al.* (2011) Local and landscape drivers of ant and carabid beetle communities during spruce forest succession. *European Journal of Soil Biology*. 47(6). p. 349-356.
- Veroliza, S., Abdullah, & Oesman, D. (2016) Deskripsi Lokasi Bersarang Burung Takur Ungkut-Ungkut (*Megalaima haemacephala*) di Kota Jantho Kabupaten Aceh Besar. *Jurnal Ilmiah Mahasiswa Pendidikan Biologi*. 1(1). p. 1-9.
- Wahidah, B.F., Murhadi, Rusmadi & Janwar, Z. (2015) Pola Distribusi dan Keanekaragaman Jenis Pohon di Kebun Raya Lemor Kabupaten Lombok Timur, Nusa Tenggara Barat. *Prosiding Seminar Nasional Mikrobiologi Kesehatan dan Lingkungan*, Makassar, 29 Januari 2015.
- Walker, H.A. (2008) Floristics and physiognomy determine migrant landbird response to tamarisk (*Tamarix ramosissima*) invasion in riparian areas. *The Auk*. 125. p. 520-531.
- Walpole, R.E. (1993) *Pengantar Statistik*. Jakarta: PT. Gramedia Pustaka Utama.
- Wender, B.W., Harrington, C.A. & Tappeiner, J.C. (2004) Flower and fruit production of understory shrubs in western Washington and Oregon. *Northwest Science*. 78. p. 124-140.
- Whelan, C.J. (2001) Foliage structure influences foraging insectivorous forest birds: an experimental study. *Ecology*. 82. p. 219-231.
- Whelan, C.J., Wenny, D.G. & Marquis, R.J. (2008) Ecosystem services provided by birds. *Annals of the New York Academy of Sciences*. 1134. p. 25-60.



- Wiens, J.A. (1989) *The Ecology of Bird Communities. II*. Cambridge: Cambridge University Press.
- Wijayanto, N. (2006) Module Pelatihan Agroforestri. *ITTO Training Proceedings*, Muara Bulian 4-6 Mei 2006.
- Winata, N.A.S.H., Karno & Sutarno. (2012) Pertumbuhan dan Produksi Hijauan Gamal (*Gliricidia sepium*) dengan Berbagai Dosis Pupuk Organik Cair. *Animal Agriculture Journal*. 1(1). p. 797-807.
- Wisudhaningrum, N. (2013) *Pemilihan Satwa Prioritas di Suaka Margasatwa Paliyan*. Tesis. Universitas Gadjah Mada.
- Wulandari. (2013) *Potensi dan Pemanfaatan Tumbuhan Berguna di Kawasan Suaka Margasatwa Paliyan Daerah Istimewa Yogyakarta*. Skripsi. Institut Pertanian Bogor.
- Zahro, J., Caraka, R.E. & Herliansyah, R. (2018) *Aplikasi Generalized Linear Model Pada R*. Yogyakarta: Innosain.