DAFTAR PUSTAKA

Agarwala, B. K. (2014). "Research on biology of some pierid butterflies with reference to food plants and mimicry." *Check List*, 10(1), 215-223.

Aisah, S., & Fasa, (2024). Keanekaragaman Kupu-Kupu (Lepidoptera: Rhopalocera) di Kawasan Ekowisata Dusun Kaliurang Timur, Yogyakarta. *Kaunia: Integration and Interconnection Islam and Science Journal*, 19(2):63-69.

Aptari, Z., Zabily, R., Rahmawati, Y., & Aprilianti, A. (2023). Keanekaragaman jenis kupu-kupu (Papilionoidea) di Gunung Api Purba Nglanggeran [*The Diversity of Butterflies (Papilionoidea) at Nglanggeran Ancient Volcano*]. *Berita Biologi*, 10(1) 39-51.

Arnillas, C. A., et al. (2021). Habitat heterogeneity influences butterfly diversity. *Ecology Letters*, 24(7), 1303–1314.

Arikawa, K. (2017). The eyes and vision of butterflies. *The Journal of Physiology, 595*(16), 5457-5464

Avolio, M. L., et al. (2019). Demographic processes influencing community stability. *Ecology*, 100(7), e02796.

Azrizal-Wahid, N., Noor, N., Mamat, N., & Zainudin, N. (2023). Length-Based Morphometric Study of the Morphologically Resembling Butterfly Species Within the Genus Graphium (Lepidoptera: Papilionidae). *Andalasian International Journal of Entomology*, 10(2), 1017.

Beldade, P., Brakefield, P. The genetics and evo–devo of butterfly wing patterns. *Nat Rev Genet* 3, 442–452 (2002).

Bobo, K. S., et al. (2006). Human disturbance and butterfly communities. *Biodiversity and Conservation*, 15(1), 291–312.

Bonebrake, T.C., Ponisio, L.C., Boggs, C.L., & Ehrlich, P.R. (2010). "More than just indicators: a review of tropical butterfly ecology and conservation." *Biological Conservation*, 143(8), 1831-1841.

Biradar, A., Kulkarni, S., Kumar, N., Venugopal, C., & Mallapur, C. (2024). Effect of temperature on the development of citrus butterflies, *Papilio demelion*and

Papilio polytes on acid lime, Citrus aurantifolia. *Applied Ecology and Environmental Research,* 22(1):163-174.

Bladon, A. J., et al. (2020). Microclimatic buffering and butterfly behavior. *Ecological Entomology*, 45(3), 505–515.

Blair, R. B., & Launer, A. E. (1997). Butterfly diversity and human land use. *Ecological Applications*, 7(1), 206–218.

Bonelli, S., Pittarello, M., Piccini, I., Lonati, M., & Di Pietro, V. (2022). New approach for butterfly conservation through local field-based vegetational and entomological data. *Ecosphere*, 13(4), e4026.

Bobo, K. S., et al. (2006). Human disturbance and butterfly communities. *Biodiversity and Conservation*, 15(1), 291–312.

Bonebrake, T. C., et al. (2010). Threatened butterflies and climate change. *Conservation Biology*, 24(1), 135–143.

Briscoe, A., Wilts, B., Stavenga, D., & Vey, A. (2017). Longwing *(Heliconius)* butterflies combine a restricted set of pigmentary and structural coloration mechanisms. BMC Evolutionary Biology, 17 (141).

Caldas, A., & Robbins, R. (2003). Modified Pollard transects for assessing tropical butterfly abundance and diversity. *Biological Conservation*, 110, 211-219.

Chen, S., Feng, Y., Yao, J., Liu, J., Li, M., Chen, X., & Shi, L. (2023). Colour Selection and Olfactory Responses of *Papilio demelion*during Foraging and Courtship. *Insects*, 14.

Chen, P., Awata, H., Matsushita, A., Yang, E., & Arikawa, K. (2016). Extreme Spectral Richness in the Eye of the Common Bluebottle Butterfly, Graphium sarpedon. *Frontiers in Ecology and Evolution*, 421 (1).

Choudhury, P., Choudhury, S., & Agarwala, B. (2014). Comparison of oviposition and larval development of *Leptosia nina*Fabricius (Lepidoptera: Pieridae) on two different food plants in different seasons. *Transactions of the Lepidopterological Society of Japan*, 65, 128-135.

Condamine, F., Allio, R., Reboud, E., Dupuis, J., Toussaint, E., Mazet, N., Hu, S., Lewis, D., Kunte, K., Cotton, A., & Sperling, F. (2023). A comprehensive

phylogeny and revised taxonomy illuminate the origin and diversification of the global radiation of Papilio (Lepidoptera: Papilionidae).. *Molecular phylogenetics and evolution*, 107758.

Cotton, A., Sperling, F., Pérez-Escobar, Ó., Condamine, F., Kergoat, G., Wanke, S., Clamens, A., Allio, R., Nabholz, B., & Chomicki, G. (2020). Genome-wide macroevolutionary signatures of key innovations in butterflies colonizing new host plants. *Nature Communications*, 12(1):354.

Cormont, A., et al. (2011). Butterfly response to microclimate. *Biological Conservation*, 144(7), 1711–1719.

Corcos, D., et al. (2019). Plant–pollinator networks in urban parks. *Journal of Applied Ecology*, 56(6), 1404–1415.

Creed, E.R. (1971). "Simple adaptive system: mimetic polymorphism of *Hypolimnas misippus* L." *Nature*, 229(5286), 793-796.

Dar, A. A., et al. (2021). Urbanization and butterfly diversity. *Urban Ecosystems*, 24(3), 551–560.

David, A.W., Rahman, A., & Wong, B.L. (2020). "Mimicry in female forms of *Papilio memnon* (Lepidoptera: Papilionidae): Evolutionary and ecological perspectives. 68, 1-11.

De Brito Freire, L., et al. (2024). Tropical butterfly community structure. *Ecology and Evolution*, 14(2), e11005.

De Meester, L., Fontaneto, D., Gianuca, A., Dahirel, M., Van Dyck, H., Decaestecker, E., Vanormelingen, P., Higuti, J., Baardsen, L., Bonte, D., Merckx, T., Van Doninck, K., Souffreau, C., Engelen, J., Debortoli, N., Hanashiro, F., Brans, K., Schön, I., Hendrickx, F., Matthysen, E., Cours, M., Vyverman, W., Piano, E., De Wolf, K., Sablon, R., Matheve, H., Stoks, R., Backeljau, T., Van Wichelen, J., Pinseel, E., Govaert, L., Lens, L., & Martens, K. (2019). Urbanization drives cross-taxon declines in abundance and diversity at multiple spatial scales. *Global Change Biology*, 26, 1196 - 1211.

Despland, E., & Dexheimer, E. (2023). Newly introduced butterfly species' urban habitat use driven by shorter vegetation and exotic plants. *Biological Invasions*, 25, 1767-1777.

Douwes, P. (1976). Activity in Heodes virgaureae (Lep., Lycaenidae) in relation to air temperature, solar radiation, and time of day. *Oecologia*, 22, 287-298.

Du, T., Liu, C., Shi, L., & Liao, H. (2020). Light Intensity Affects the Reproductive Success of Danaus chrysippus (Lepidoptera: Danaidae) by Influencing Flight Behavior. *Journal of Entomological Science*, 55, 234 - 251.

Efendi, R., et al. (2024). Keanekaragaman Kupu-kupu di Sumatera. *Jurnal Biologi Tropis*, 24(1), 15–24.

Ekroos, J., Öckinger, E., Pettersson, L., Persson, A., & Aguilera, G. (2018). Intensive management reduces butterfly diversity over time in urban green spaces. *Urban Ecosystems*, 22, 335-344.

Evans, M. E. K., et al. (2019). Thermal ecology of butterflies. *Functional Ecology*, 33(6), 1115–1126.

Eum, Y., Park, K., & Kim, S. (2001). Establishing dominance and potential optimality in multi-criteria analysis with imprecise weight and value. *Comput. Oper. Res.*, 28, 397-409.

Fensy Rania Putri. (2023). "Studi Keanekaragaman dan Pola Morfologi Kupu-Kupu Pieridae di Taman Hutan Raya Ir. H. Juanda, Bandung." *Skripsi*, Universitas Padjadjaran.

Fischer, K., et al. (2004). Frugivory in butterflies. *Oecologia*, 139(4), 559–566.

Ford, E., Vane-Wright, R., & Ackery, P. (1986). The Biology of butterflies. *Journal of Animal Ecology*, 55, 752.

Fox, R., Cook, P. M., Bourn, N. A. D., Davis, T. M., Parsons, M. S., Botham, M. S., Tordoff, G. M., & Dennis, E. B. (2022). Traits data for the butterflies and macro-moths of Great Britain and Ireland. Ecology, 103(5), e3670.

Fordyce, J. (2010). Host shifts and evolutionary radiations of butterflies. *Proceedings of the Royal Society B: Biological Sciences*, 277, 3735 - 3743.

Gama, Z., Leksono, A., Mustafa, I., & Azizah, A. (2021). The diversity and abundance of butterfly [*Lepidoptera*] in several urban green spaces of Malang city. *IOP Conference Series: Earth and Environmental Science*, 741(1), 012057.

Gutierrez, C., Páramo, F., Ubach, A., & Stefanescu, C. (2020). Vegetation encroachment drives changes in the composition of butterfly assemblages and species loss in Mediterranean ecosystems. *Insect Conservation and Diversity*, 13(2), 151-161.

Gocher, S., & Dang, C. (2025). Butterfly species response to seasonal dynamics. *Insect Conservation*, 11(2), 89–102.Horák, J., et al. (2021). Light and butterflies in forests. *Forest Ecology and Management*, 482, 118872.

Gindhi, N. (2016). "Natural History Observations of *Eurema blanda* (Lepidoptera: Pieridae)", *Indian Butterfly Journal*, 12(2), 25-34.

Han, C., et al. (2022). Vegetation structure and butterfly diversity. *Biological Conservation*, 265, 109417.

Handayani, Y., & Rahayuningsih, S. (2024). Keanekaragaman kupu-kupu taman kota. *Jurnal Konservasi Hayati*, 16(1), 35–46.

Helmi, A., et al. (2010). Tanaman inang kupu-kupu Papilio. *Jurnal Entomologi Indonesia*, 7(1), 43–50.

Hernawati, D., Chaidir, D., & Pahman, I. (2022). Studi Keanekaragaman Kupu-kupu (Papilionoidea) Berdasarkan Ketinggian di Kawasan Gunung Galunggung Kabupaten Tasikmalaya. *Bioscientist : Jurnal Ilmiah Biologi*, 10(2), 818-836

Horák, J., et al. (2021). Light and butterflies in forests. *Forest Ecology and Management*, 482, 118872.

Hordijk, D. A., et al. (2024). Community stability in tropical insects. *Global Ecology and Biogeography*, 33(1), 71–84.

Huang, J., Lin, Y., Lin, X., Huang, S., Fu, W., Ran, C., Dang, E., Fang, W., Fan, S., & Lin, Y. (2023). The Impact of Urbanization on Taxonomic Diversity and

Functional Similarity among Butterfly Communities in Waterfront Green Spaces. *Insects*, 14 (11), 85.

Huang, S., Dong, J., Lin, Y., Fang, W., Fu, W., Huang, Z., Zhao, Y., Huang, J., & Zheng, R. (2023). Butterfly Communities Vary under Different Urbanization Types in City Parks. *Animals : an Open Access Journal from MDPI*, 13(11), 1775.

Huang, S., Fu, W., Dong, J., Zhang, Y., Li, J., Lin, Y., Su, Z., Lin, Y., & Jin, J. (2024). Relationship between Plant Habitat Types and Butterfly Diversity in Urban Mountain Parks. *Forests*, 16(8), 1390.

Huang, Y., Gao, C., Huang, S., Fu, W., Lin, Y., Huang, Y., Fang, W., & Zheng, R. (2024). Impact of urban landscape patterns on butterfly diversity in Fuzhou City parks.. *The Science of the total environment*, 957, 177165.

Huang, S., Xu, Y., Lu, D., & Lu, F. (2025). Taxonomic notes on certain species in the subgenus Limbusa Moore of the genus Euthalia Hübner (Lepidoptera, Papilionoidea, Nymphalidae, Limenitinae) from China and adjacent countries.. *Zootaxa*, 5613 2, 386-400

Hula, V., Fric, Z., Vlašánek, P., Konvička, M., & Zimmermann, K. (2023). Within-habitat vegetation structure and adult activity patterns of the declining butterfly Euphydryas aurinia. *Journal of Insect Conservation*, 27, 335-346.

Hukubun, Ronald, Wawo, M., , M., Manuputty, G., , K., Wardiatno, Y., , R., & Lokollo, F. (2024). A review on the biodiversity and conservation of mangrove ecosystems in Indonesia. Biodiversity and Conservation. 33(4):1-29

Igarashi, S. (2000). "The systematic and ecological study of genus *Phaedyma* (Nymphalidae) in Asia." *Butterflies Journal of Asia*, 23(2), 205-209.

Indriyani, R., Rahma, A., Sari, D. F., Hidayat, R., & Yani, M. I. (2021). "Morfologi dan siklus hidup *Cepora nerissa corva* (Pieridae) di lingkungan perkotaan." *Jurnal Biologi Tropis*, 21(3), 172-180.

Islamiah, N. (2020). Jenis-jenis tanaman sumber pakan kupu-kupu di taman kupu-kupu Sulawesi. *Jurnal Biologi Tropis*, 2(1), 48-54.

Ismail, M. R., et al. (2020). Bioindikator kupu-kupu di lingkungan urban. *Jurnal Lingkungan Tropis*, 18(3), 90–98.

Ilyas, M., et al. (2023). Butterfly evenness in fragmented habitat. *Journal of Insect Conservation*, 27(2), 215–225.

Iqbal, M., Affandi, R., & Sari, D. (2020). "Kajian Morfologi dan Persebaran *Junonia iphita*." *Jurnal Zoologi Indonesia*, 23(2), 141-152.

Jain, A., Webb, E., & Zeng, Y. (2021). Critical Dependence of Butterflies on a Non-native Host Plant in the Urban Tropics. *Frontiers in Ecology and Evolution*, 9,655012.

Johansson, L. C., & Henningsson, P. (2021). Butterflies fly using efficient propulsive clap mechanism owing to flexible wings. *Journal of the Royal Society Interface, 18*(174), 20200854

Jordon, K. & Weyne, C. (2015). "Notes on the genus *Euploea* in Southeast Asia." *Butterfly Journal*, 13(4), 88-96.

Reid AJ, Carlson AK, Creed IF, Eliason EJ, Gell PA, Johnson PTJ, Kidd KA, MacCormack TJ, Olden JD, Ormerod SJ, Smol JP, Taylor WW, Tockner K, Vermaire JC, Dudgeon D, Cooke SJ. Emerging threats and persistent conservation challenges for freshwater biodiversity. Biol Rev Camb Philos Soc, 94(3):849-873.

Jian-Xi, S. (2014). A Summary of International Butterfly Classifications. *Journal of Xi'an University of Arts and Science,* 17(1), 45–52.

Kaiser, A., et al. (2016). Noise pollution impacts on butterflies. *Biology Letters*, 12(8), 20160116.

Kamrunnahar, et al. (2018). *Basking* behavior in tropical butterflies. *Entomology and Ecology Journal*, 15(3), 201–209.

Keraf, M., Adoe, D.G., & Sabu, D.P. (2023). Keanekaragaman dan preferensi kupu-kupu pada beberapa jenis tanaman berbunga di kawasan Puncak Gunung Fatuleu, NTT. *Jurnal Entomologi Indonesia*, 20(1), 23-32.

Khoiri, S., Rahayu, S., Akhsani, F., & Rohman, F. (2023). Kajian Komunitas Kupu-Kupu *(Lepidoptera)* di Kawasan Coban Watu Ondo Taman Hutan Raya Raden Soerjo. *Jurnal Biosilampari : Jurnal Biologi*, 6(1), 18–32.

Khush, G. (2023). Biodiversity is nature's gift for the survival of the human race: Some reflections. Crop and Environment. 2(1), 1–4.

Klečková, I., Matos-Maraví, P., Penz, C., Zubek, A., Devries, P., Chazot, N., Condamine, F., Vane-Wright, R., Kawahara, A., Wahlberg, N., Lamas, G., Freitas, A., Wheat, C., Nylin, S., Elias, M., Peña, C., Lohman, D., Ortiz-Acevedo, E., Müller, C., Mullen, S., Vilà, R., Warren, A., Fric, Z., Dudas, G., Aduse-Poku, K., Jiggins, C., Silva-Brandão, K., & Kodandaramaiah, U. (2021). Conserved ancestral tropical niche but different continental histories explain the latitudinal diversity gradient in brush-footed butterflies. *Nature Communications*, 12, 5718.

Koneri, R., Nangoy, M. J., Maabuat, P. V., Saroyo, S., & Wakhid, W. (2022). Diversity and composition of butterflies in three habitats around rayow waterfall, minahasa district, north sulawesi, indonesia. Biodiversitas Journal of Biological Diversity, 23(2), 1027–1034.

Kremen, C. (1992). Assessing the indicator properties of species. *Ecological Applications*, 2(2), 203–217.

Krenn, H. W. (2019). Fluid-feeding mouthparts. In H. Krenn (Ed.), Insect mouthparts: Form, function, development and performance (pp. 47–82). Zoological Monographs, vol. 5. Springer, Cham

Kudrna, O., Harpke, A., Lux, K., Pennerstorfer, J., Schweiger, O., Settele, J., & Wiemers, M. (2011). "Distribution Atlas of European Butterflies and Skippers." Stuttgart: Wissenschaftliche Verlagsgesellschaft.

Kumar, A., & Khan, A. (2018). Butterflies in urban gardens. *Urban Ecology Journal*, 9(1), 32–42.

Kunte, K. (2003). "Mimetic polymorphism, sexual dimorphism and male–female interactions in *Hypolimnas misippus*." *Ecological Entomology*, 28(6), 660-666

Kurnianto, A., Haryadi, N., Dewi, N., Miftachurrohmi, M., Rohmana, A., Amal, G., Septiadi, L., Firdaus, A., & Magvira, N. (2023). Edge effects at multifunctional agro-landscapes in Jember, Indonesia, on the augmentation of butterfly diversity. *Biodiversitas Journal of Biological Diversity*, 40436.

Kurniawan, I., Setiyono, B., & Kurniawan, H. (2020). Pengaruh variasi tanaman pakan terhadap kelimpahan kupu-kupu di hutan kampus Universitas Lampung. *Biodiversitas*, 21(1), 207-215.

Kurniawan, U. & Ritonga, D. N. (2023). "Studi Keanekaragaman dan Persebaran Kupu-Kupu (Lepidoptera) di Kawasan Perkotaan Sumatera Utara." *Jurnal Biodiversitas Tropika*, 10(2), 112-122.

Kuussaari, M., et al. (2020). Mobility of butterflies in fragmented landscapes. *Ecography*, 43(3), 444–456.

Lamatoa, G., Hasfrijal, Y., & Yani, I. (2013). "Habitat dan tanaman inang famili Capparaceae oleh larva *Cepora nerissa* (Lepidoptera: Pieridae) di lingkungan tropis." *Jurnal Hutan Lestari*, 1(2), 120-126.

Lee, S.C., Kim, J.H. & Lee, S.J. Adhesion and Suction Functions of the Tip Region of a Nectar-drinking Butterfly Proboscis. *J Bionic Eng* **14**, 600–606

Leifi, N., Peck, R., Brinck, K., Banko, P., Schmaedick, M., & Miles, A. (2023). Reproductive response of the Samoan swallowtail butterfly to variability in host plant and habitat characteristics. *Ecosphere*, *14*(5), e4493.

Lehnert, M., Lee, W., Andrukh, T., Monaenkova, D., Kornev, K., Tokarev, A., Adler, P., Beard, C., & Rubin, B. (2012). Butterfly proboscis: combining a drinking straw with a nanosponge facilitated diversification of feeding habits. *Journal of The Royal Society Interface*, 9, 720 - 726

Linhares, Y., Kaganski, A., Agyare, C., Kurnaz, I. A., Neergheen, V., Kolodziejczyk, B., Kędra, M., Wahajuddin, M., El-Youssf, L., Dela Cruz, T. E., Baran, Y., Pešić, M., Shrestha, U., Bakiu, R., Allard, P. M., Rybtsov, S., Pieri, M., Siciliano, V., & Flores Bueso, Y. (2023). Biodiversity: the overlooked source of human health. *Trends in molecular medicine*, *29*(3), 173–187

Liao, H., Du, T., Zhang, Y., Shi, L., Huai, X., Zhou, C., & Deng, J. (2019). Capacity for heat absorption by the wings of the butterfly *Tirumala limniace* (Cramer). *PeerJ, 7*, e6648.

Liu, W., Liao, H., , Y., Deng, J., Shi, L., Zhou, C., & Du, T. (2017). Effects of Light Intensity on the Flight Behaviour of Adult Tirumala limniace (Cramer) (Lepidoptera: Nymphalidae: Danainae). *Journal of Insect Behavior*, 30(2), 139-154.

Liu, Y. (2018). Urbanization reduces butterfly diversity. *Landscape and Urban Planning*, 169, 147–155.

Liu, Y., Wang, J., Wu, Z., Li, S., & Dai, W. (2024). Identification of biodiversity priority conservation areas in China by integrating genetic, species and ecosystem diversity. *Biological Conservation, 300*, 110854

Lodh, R., & Agarwala, B. (2015). Inventory of butterfly fauna (Lepidoptera: Rhopalocera) of Tripura, India, in the Indo-Myanmar biogeographical zone, with records of threatened taxa. Check List, 11, 1591.

Lohbeck, M., et al. (2014). Evenness and community stability. *Ecology Letters*, 17(5), 538–547.

Luk, C., Basset, Y., Kongnoo, P., Hau, B., & Bonebrake, T. (2019). Inter-annual monitoring improves diversity estimation of tropical butterfly assemblages. *Biotropica*, 51, 519 - 528.

Luk, S.Y., Lee, C., Yip, M., et al. (2019). Rapid biodiversity assessment in Hong Kong using butterfly as bioindicator. *Urban Forestry & Urban Greening*, 45, 126-138.

Magurran, A. (2004). Measuring biological diversity. *Oxford, UK: Blackwell Publishing. ISBN: 978-0-632-05633-0.*

Mathew, G., & Anto, M. (2007). In situ conservation of butterflies through establishment of butterfly gardens : A case study at Peechi, Kerala, India. *Current Science*, 93, 337-347.

Molleman, F., et al. (2005). Butterfly feeding strategies. *Journal of Insect Behavior*, 18(1), 35–55.

Moreira, E. F., et al. (2024). Plant-pollinator resilience in cities. *Urban Biodiversity Research*, 3(2), 115–129.

Mustari, A. H. & Gunadharma, W. (2016). "Observasi aktivitas harian dan perilaku makan kupu-kupu *Junonia iphita* di Taman Nasional Meru Betiri." *Biodiversitas*, 17(5), 2149-2155.

Naik, A., Mahata, A., & Palita, S. (2024). The composition and phenology of butterflies are determined by their functional trait in Indian tropical dry forests. *Biodiversity and Conservation, 33*(12), 3417–3439

Nijhout, H. F. (2001). Elements of butterfly wing patterns. *Journal of Experimental Zoology*, *291*(3), 213–225.

Nurhayati, Syarifuddin, Ritonga, Y. E., Pradwinata, R., & Pendong, L. M**.** (2025). Butterfly diversity in natural and modified habitat at Bahorok District, Langkat Regency, North Sumatra. *Jurnal Entomologi Indonesia, 22*(1), 17–28.

Nylin, S., et al. (2013). Polyphagy in Nymphalidae. *Biological Journal of the Linnean Society*, 109(4), 935–945.

Odeen, A. & Moray, C.M. (2008). "Sexual dimorphism and color pattern polymorphism in the butterfly *Hypolimnas misippus*." *Journal of Evolutionary Biology*, 21(2), 918–929.

Panda, R., Naik, A., Palita, S., Mahata, A., Dash, P., & Naik, A. (2023). Microclimate and Vegetation Structure Significantly Affect Butterfly Assemblages in a Tropical Dry Forest. *Climate, 11(*11), 220.

Parsons, M. (1999). "*The Butterflies of Papua New Guinea: Their Systematics and Biology*." London: Academic Press.

Peggie, D., & Amir, M. (2006). *Practical Guide to the Butterflies of Bogor Botanic Garden*. Jakarta: LIPI Press.

Peggie, D. & Amir, M. (2006). "*Butterflies of the Malay Archipelago*." Jakarta: Indonesian Institute of Sciences (LIPI) Press.

Peggie, D. (2014). "*Practical Guide to the Butterflies of Bogor Botanic Gardens*." Jakarta: LIPI Press.

Pöyry, J., Hyyryläinen, V., Kuussaari, M., Toivonen, M., Ekroos, J., Heliölä, J., Tiainen, J., Vähä-Piikkiö, I., & Mellado, J. (2020). Butterfly species' responses to urbanization: differing effects of human population density and built-up area. *Urban Ecosystems*, 24, 515 - 527.

Prakash, S., & Verma, A. (2022). Antropogenic Activities And Threats. *International Journal of Biological Innovations*. 4(1), 94-103

Purwowidodo, S. (2015). Jenis dan keanekaragaman kupu-kupu pengunjung bunga di Taman Wisata Alam Kawah Ijen. *Jurnal Biotropika*, 23(2), 155-165.

Putri, K., Sari, H., & Salwa, Z. (2024). Diversity of butterflies (Lepidoptera: Papilionoidea) in Universitas Samudra, Langsa. *Jurnal Natural*, 24(1), 28–34.

Rayalu, N. K., Kumari, S. & Singh, S.P. (2013). "Population and seasonal variations of *Junonia iphita* in Indian meadows." *Journal of Entomological Research*, 37(3), 255-262.

Ramakant, R., & Singh, Y. (2024). Impact of different host plants on biology and morphometrics of various developmental stages of *Papilio demelion*(Linn.). *Journal of Experimental Zoology India*, 27(1), 181–188.

Ramírez-Restrepo, L., & MacGregor-Fors, I. (2017). Butterflies in the city: a review of urban diurnal Lepidoptera. *Urban Ecosystems*, 20, 171-182.

Ranjan, A., & Bhardwaj, M. (2024). Butterfly Diversity in Harding Park, Patna, Bihar, India: A Case Study of Urban Ecosystem. *Uttar Pradesh Journal of Zoology*, 5(24), 39–51.

Ravenscraft, A., & Boggs, C. L. (2016). Butterfly mineral uptake. Oecologia, 181(2), 501–510.

Rawat, U. S. and Agarwal, N. K. (2015) 'Biodiversity: Concept, threats and conservation', Environment Conservation Journal, 16(3), pp. 19–28.

Richter, R., et al. (2023). Vertical stratification of butterflies. *Journal of Tropical Ecology*, 39(1), 12–25.

Ritowski, M. (2005). "Sexual dimorphism in the Great Eggfly, *Hypolimnas bolina*." *Journal of Lepidopteran Research*, 39(1), 34–40.

Robinson, G.S., Ackery, P.R., Kitching, I.J., Beccaloni, G.W., & Hernández, L.M. (2010). "HOSTS – A Database of the World's Lepidopteran Hostplants." Natural History Museum, London.

Rusman, R., Sari, R.K., & Ramli, Y. (2016). Keanekaragaman dan preferensi kunjungan kupu-kupu (Lepidoptera) pada beberapa tanaman berbunga di kawasan hutan penelitian Biologi LIPI Cibinong. *Jurnal Biologi Indonesia*, 12(2), 222-230.

Sarkar, A. (2022). Butterfly indicators of ecosystem stress. *Indian Journal of Ecology*, 49(1), 101–108.

Sato, Y., Ohsaki, N., Ohata, M., & Rausher, M. (2020). Host Plant Choice Determined by Reproductive Interference between Closely Related Butterflies. *The American Naturalist*, 196, 512 - 523.

Savira, A., Rizkawati, V., Asharo, R., Asmara, Y., Khairiyyah, A., Perdani, N., Pasaribu, P., Priambodo, R., & Fitriasari, S. (2023). Diversity and Community Structure of Butterly in Teijsmann and Soedjana Kassan Park, Bogor Botanical Garden. *Jurnal Ilmiah Biologi Eksperimen dan Keanekaragaman Hayati,* 10(1), 40-49.

Saxena, K., & Khattar, P. (1977). Orientation of *Papilio demelion*larvae in relation to size, distance, and combination pattern of visual stimuli. *Journal of Insect Physiology*, 23, 1421-1428.

Scott, J. A. (1986). *The butterflies of North America: A natural history and field guide*. Stanford, Calif.: Stanford University Press.

Setiawan, R, Suharyadi, D., & Laksono, H. (2018). "Dampak fragmentasi hutan terhadap populasi *Cepora nerissa corva* di Jawa Barat." *Berkala Biologi*, 22(3), 202-208.

Setyowati, T. (2019). Aktivitas *basking* kupu-kupu tropis. *Jurnal Biologi Tropika*, 19(2), 89–96.

Setyawati, T., Utomo, W. H., & Arifin, U.Z. (2015). "Butterfly diversity as ecological indicator in three land use types in Yogyakarta, Indonesia." *IOP Conference Series: Earth and Environmental Science*, 30(1), 012027.

Settele, J., Kudrna, O., Harpke, A., et al. (2008). "Climatic risk atlas of European butterflies." Naar, Sofia.

Slove, J., Nylin, S., & Janz, N. (2013). Host Plant utilization, Host Range Oscillattion And Diversification In Nymphalidae Butterfly: A phylogenetic investigation. *Evolution; International Journal of Organic Evolution*, 68, 105 - 124.

Stavenga, D., Giraldo, M., & Leertouwer, H. (2010). Butterfly wing colors: glass scales of Graphium sarpedon cause polarized iridescence and enhance blue/green pigment coloration of the wing membrane. *Journal of Experimental Biology*, 213, 1731 - 1739

Soga, M., et al. (2014). "Urban habitat use and host plants of *Graphium agamemnon* and *Graphium doson* in Southeast Asia." *Urban Ecosystems*, 17(3), 793-802.

Subagio, A., Master, J., & Ramadhanti, C. (2022). Diversity and Abundance of Rhopalocera *(Lepidoptera)* in Batutegi Protected Forest, Sumatra, Indonesia. *Berkala Ilmiah Biologi*, 13(3), 19–24.

Sugarman, D., & Straus, M. (1988). Indicators of gender equality for American states and regions. *Social Indicators Research*, 20, 229-270.

Sugiyarto, S., Budiharjo, A., Pertiwi, R., & Nayasilana, I. (2021). Diversity of butterflies (Lepidoptera) in Mount Bromo Forest Area with Special Purpose (FASP), Karanganyar, Central Jawa. Zoo Indonesia, 29(2), 166–176. Swaay, C. A. M. van, et al. (2012). Butterfly monitoring for conservation. *Nature Conservation*, 1, 9–25.

Sukma, D., Yudha, B., & Nurliana. (2021). Jenis-jenis tanaman pakan kupu-kupu dan interaksinya di Kebun Raya UNPAD Jatinangor. *Berkala Biologi*, 25(2), 47-54.

Smith, D.S., Morehouse, N.I., Rutowski, R.L., & Papaj D.R. (2007). "Mimicry, mate choice and the evolution of diversity in *Hypolimnas* butterflies." *Biological Journal of the Linnean Society*, 90(2), 349-363.

Stevens, M. (2009). "Disruptive coloration and camouflage." *Philosophical Transactions of the Royal Society B*, 364(1516), 423-427.

Stevens, M. (2005). "The role of eyespots as anti-predator mechanisms, principally demonstrated in the Lepidoptera." *Biological Reviews*, 80(4), 573-588.

Stevens, M. & Merilaita, S. (2009). "Animal camouflage: current issues and new perspectives." *Philosophical Transactions of the Royal Society B*, 364(1516), 423-427.

Taradipha, (2019). Keanekaragaman kupu-kupu di ruang terbuka hijau. *Jurnal Konservasi*, 17(1), 45–53

Tatoni, T., Deschamps-Cottin, M., & Lizée, M. (2016). Nested patterns in urban butterfly species assemblages: respective roles of plot management, park layout and landscape features. *Urban Ecosystems*, 19, 205-224.

Thom, M. D., & Daniels, J. C. (2017). Importance of host plants in butterfly conservation. *Florida Entomologist*, 100(2), 310–319.

Tolman, T. (2008). "*Collins Butterfly Guide: The Most Complete Guide to the Butterflies of Britain and Europe*." London: HarperCollins Publishers.

Toussaint, E., Müller, C., Morinière, J., Tänzler, R., & Balke, M. (2020). A glide over the Indo-Australian geological maze: repeated transgressions of Lydekker's and Wallace's Lines in archdukes, barons and dukes (Nymphalidae: Limenitidinae: Adoliadini). *Biological Journal of the Linnean Society*., 2(3), 22-82.

Tsai, C., Pelaez, J., Pierce, N., Childers, R., Ren, C., Bernard, G., Yu, N., & Shi, N. (2020). Physical and behavioral adaptations to prevent overheating of the living wings of butterflies. *Nature Communications*, 11(1), 551.

Ulrich, W., et al. (2024). Butterfly dominance in urban parks. *Urban Ecology Advances*, 5(1), 22–34.

Van Meerbeek, K., Yan, P., Fernández-Martínez, M., He, N., Yu, G., & Migliavacca, M. (2023). The essential role of biodiversity in the key axes of ecosystem function. *Global Change Biology*, 29, 4569 - 4585.

Varshney, R. K. (2015). "Distribution patterns of Indian butterflies with special reference to the genus *Phaedyma*." *Journal of the Bombay Natural History Society*, 112, 135-144.

Vaidya, V. (1969). Form perception in *Papilio demelion*L. (Papilionidae, lepidoptera).. *Behaviour*, 33 3, 212-21.

Vaidya, V. (1969). Investigations on the role of visual stimuli in the egg-laying and resting behaviour of *Papilio demelion*L. (papilionidae, lepidoptera).. *Animal behaviour*, 17 2, 350-5.

Vielmetter, W. (1958). Physiologie des Verhaltens zur Sonnenstrahlung bei dem Tagfalter Argynnis paphia L.—I: Untersuchungen im Freiland. *Journal of Insect Physiology*, 2, 13-37.

Vives-Ingla, M., et al. (2022). Structural complexity and insect diversity. *Ecological Indicators*, 140, 109015.

Vogel, H., & Okamura, Y. (2024). De Novo Genome Assembly and Annotation of *Leptosia nina*Provide New InsightsWatari, Y. & Tanaka, S. (2013). "Polymorphism and habitat adaptation in *Papilio memnon*." *Butterfly Science Journal*, 15(4), 223–236.

into the Evolutionary Dynamics of Genes Involved in Host-Plant Adaptation of Pierinae Butterflies. *Genome Biology and Evolution*, 16(5), 105.

Wee, Y.C. (2008). "Thermal ecology and warning colouration in Malaysian tropical butterflies." *Nature in Singapore*, 1, 47-53.

Whittaker, R. H. (1965). Dominance and diversity in land plant communities. *Science*, 147(3655), 250–260.

Wikström, L., Milberg, P., & Bergman, K. (2009). Monitoring of butterflies in semi-natural grasslands: diurnal variation and weather effects. *Journal of Insect Conservation*, 13, 203-211.

Wright, D. & De Jong, R. (2003). "The Butterflies of Java." Kuala Lumpur: Malaysian Nature Society.

Yan, L., & Liu, Y. (2023). Urban butterfly community dynamics. *Ecological Research*, 38(1), 72–85.

Yang, M., et al. (2019). Butterfly distribution under urbanization pressure. *Urban Ecosystems*, 22(3), 533–544.

Yang, X., et al. (2021). Host plant dynamics and butterfly diversity. *Ecological Entomology*, 46(4), 766–774.

Yeager, I., Pearce, J., Davis, A., & Schroeder, H. (2018). Effects of simulated highway noise on heart rates of larval monarch butterflies, Danaus plexippus: implications for roadside habitat suitability. *Biology Letters*, 14(5), 20180018.

Yuliani, W., Dahelmi, & Syamsuardi. (2013). Jenis-Jenis Serangga Pengunjung Bunga NeriumoleanderLinn (Apocynaceae) di Kecamatan Pauh, Padang. *Jurnal Biologi Universitas Andalas, 2*(2), 28-84.

Zaw, T. Z. & Mya, K. M. (2020). "Survivorship and thermal ecology of *Appias libythea* (Lepidoptera: Pieridae) at different temperatures." *Journal of Entomology and Zoology Studies*, 8(3), 1532-1537.

Zhang, S., et al. (2012). Evenness and richness: different implications. *Biodiversity and Conservation*, 21(1), 25–36.

Zhang, Y., Huai, X., Shi, L., Zhou, C., Deng, J., Liao, H., & Du, T. (2018). Capacity for heat absorption by the wings of the butterfly Tirumala limniace (Cramer). *PeerJ*, 7, e6648.

Zhang, J., Cong, Q., Shen, J., Song, L., & Grishin, N. (2023). Butterfly classification and species discovery using genomics.. *The taxonomic report of the International Lepidoptera Survey*, 11 32-44.

Zhou, B., Hu, P., Liu, G., Chang, Z., Dong, Z., Li, Z., Yin, Y., Tian, Z., Han, G., Wang, W., & Li, X. (2024). Evolutionary patterns and functional effects of 3D chromatin structures in butterflies with extensive genome rearrangements. *Nature Communications*, 15