

DAFTAR PUSTAKA

- Angelibert, S., & Giani, N. (2003). Dispersal characteristics of three odonate species in a patchy habitat. *Ecography*, 26(1), 13–20. <https://doi.org/10.1034/j.1600-0587.2003.03372.x>
- Bolnick, D. I., Amarasekare, P., Araújo, M. S., Bürger, R., Levine, J. M., Novak, M., Rudolf, V. H. W., Schreiber, S. J., Urban, M. C., & Vasseur, D. A. (2011). Why intraspecific trait variation matters in community ecology. *Trends in Ecology and Evolution*, 26(4), 183–192. <https://doi.org/10.1016/j.tree.2011.01.009>
- Brasil, L. S., Batista, J. D., Giehl, N. F. da S., Valadão, M. B. X., Santos, J. O. dos, & Dias-Silva, K. (2014). Environmental integrity and damselfly species composition in Amazonian streams at the “arc of deforestation” region, Mato Grosso, Brazil. *Acta Limnologica Brasiliensia*, 26(3), 278–287. <https://doi.org/10.1590/s2179-975x2014000300007>
- Buczyńska, E., & Buczyński, P. (2019). Survival under anthropogenic impact: The response of dragonflies (Odonata), beetles (Coleoptera) and caddisflies (Trichoptera) to environmental disturbances in a two-way industrial canal system (central Poland). *PeerJ*, 2019(1). <https://doi.org/10.7717/peerj.6215>
- Chaput-Bardy, A., Grégoire, A., Baguette, M., Pagano, A., & Secondi, J. (2010). Condition and Phenotype-Dependent Dispersal in a Damselfly, *Calopteryx splendens*. *PLoS ONE*, 5(5), e10694. <https://doi.org/10.1371/journal.pone.0010694>
- Corbet, P. S., & May, M. L. (2008). Fliers and perchers among Odonata: Dichotomy or multidimensional continuum? A provisional reappraisal. *International Journal of Odonatology*, 11(2), 155–171. <https://doi.org/10.1080/13887890.2008.9748320>
- da Silva Monteiro Júnior, C., Couceiro, S. R. M., Hamada, N., & Juen, L. (2013). Effect of vegetation removal for road building on richness and composition of Odonata communities in Amazonia, Brazil. *International Journal of Odonatology*, 16(2), 135–144. <https://doi.org/10.1080/13887890.2013.764798>
- Des Roches, S., Post, D. M., Turley, N. E., Bailey, J. K., Hendry, A. P., Kinnison, M. T., Schweitzer, J. A., & Palkovacs, E. P. (2018a). The ecological importance of intraspecific variation. *Nature Ecology and Evolution*, 2(1), 57–64. <https://doi.org/10.1038/s41559-017-0402-5>
- Diniarsih, S. 2016. Studi Mikrohabitat dan Populasi Capung Endemik Jawa Anggota Genus *Drepanosticta* (Odonata: Platystictidae) di Gunung Ungaran, Jawa Tengah. Tesis Program Studi Biologi Universitas Gadjah Mada.
- Dolný, A., Harabiš, F., & Mižičová, H. (2014). Home range, movement, and distribution patterns of the threatened dragonfly *Sympetrum depressiusculum* (Odonata: Libellulidae): A thousand times greater territory to protect? *PLoS ONE*, 9(7), 1–10. <https://doi.org/10.1371/journal.pone.0100408>

- Dow, R.A. 2009. *Drepanosticta spatulifera*. The IUCN Red List of Threatened Species 2009:e.T163820A5656272. (<http://dx.doi.org/10.2305/IUCN.UK.20092.RLTS.T163820A5656272.en>). Diakses pada tanggal 22 Desember 2020 pukul 14.15 WIB.
- Dow, R. A. (2017). A new Bornean species of *Drepanosticta* allied to *D. actaeon* Laidlaw, with notes on related species (Odonata: Zygoptera: Platystictidae). *International Dragonfly Fund*, 104(March), 1–32.
- Elzinga, C. L., Salzer, D. W., & Willoughby, J. W. (1998). Measuring & monitoring. *Book*, 496. <http://www.blm.gov/nstc/library/pdf/MeasAndMon.pdf>
- French, S. K., & McCauley, S. J. (2018). Canopy cover affects habitat selection by adult dragonflies. *Hydrobiologia*, 818(1), 129–143. <https://doi.org/10.1007/s10750-018-3600-5>
- Geenen, S., Jordaens, K., De Block, M., Stoks, R., & De Bruyn, L. (2000). Genetic differentiation and dispersal among populations of the damselfly *Lestes viridis* (Odonata). *Journal of the North American Benthological Society*, 19(2), 321–328. <https://doi.org/10.2307/1468074>
- Gibert, J. P. (2016). The effect of phenotypic variation on metapopulation persistence. *Population Ecology*, 58(3), 345–355. <https://doi.org/10.1007/s10144-016-0548-z>
- Gyulavári, H. A., Felföldi, T., Benken, T., Szabó, L. J., Miskolczi, M., Cserháti, C., Horvai, V., Márialigeti, K., & Dévai, G. (2011). Morphometric and molecular studies on the populations of the damselflies *Chalcolestes viridis* and *C. parvidens* (Odonata, Lestidae). *International Journal of Odonatology*, 14(4), 329–339. <https://doi.org/10.1080/13887890.2011.651983>
- Irawan, F., M. Hadi, dan U. Tarwotjo. 2017. Struktur komunitas Odonata di Kawasan Wana Wisata Curug Semarang Kecamatan Ungaran Barat, Semarang. *Bioma* 19 (1):69-75.
- Hagen, J. B. (2017). Bergmann's Rule, Adaptation, and Thermoregulation in Arctic Animals: Conflicting Perspectives from Physiology, Evolutionary Biology, and Physical Anthropology After World War II. *Journal of the History of Biology*, 50(2), 235–265. <https://doi.org/10.1007/s10739-016-9446-7>
- Hanski, I. (2008). Metapopulation Models. *Encyclopedia of Ecology, Five-Volume Set, 2000*, 2318–2325. <https://doi.org/10.1016/B978-008045405-4.00672-8>
- Harding, H. R., Gordon, T. A. C., Eastcott, E., Simpson, S. D., & Radford, A. N. (2019). Causes and consequences of intraspecific variation in animal responses to anthropogenic noise. *Behavioral Ecology*, 30(6), 1501–1511. <https://doi.org/10.1093/beheco/arz114>
- Hassall, C., Keat, S., Thompson, D. J., & Watts, P. C. (2014). Bergmann's rule is maintained during a rapid range expansion in a damselfly. *Global Change Biology*, 20(2), 475–482. <https://doi.org/10.1111/gcb.12340>
- Hassall, C., & Thompson, D. J. (2012). Study design and mark-recapture estimates of dispersal: A case study with the endangered damselfly *Coenagrion mercuriale*. *Journal of Insect Conservation*, 16(1), 111–120. <https://doi.org/10.1007/s10841-011-9399-2>

- Hassall, C., Thompson, D. J., & Harvey, I. F. (2008). Latitudinal variation in morphology in two sympatric damselfly species with contrasting range dynamics (Odonata: Coenagrionidae). *European Journal of Entomology*, 105(5), 939–944. <https://doi.org/10.14411/eje.2008.120>
- Heinrich, B. Y. B., & Casey, T. M. (1978). Heat Transfer in Dragonflies: ‘Fliers’ and ‘Perchers.’ *Journal of Experimental Biology*, 74(1), 17–36.
- Herlambang, A.E.N., m. Hadi, dan U. Tarwotjo. 2016. Struktur komunitas capung di kawasan wisata Curug Lawe Benowo Ungaran Barat. *Bioma* 18 (1):70-78.
- Hixon, M. A., & Johnson, D. W. (2009). Density Dependence and Independence. *Encyclopedia of Life Sciences*, December 2009. <https://doi.org/10.1002/9780470015902.a0021219>
- Hoffmann, A. A., Collins, E., & Woods, R. (2002). Wing shape and wing size changes as indicators of environmental stress in *Helicoverpa punctigera* (Lepidoptera: Noctuidae) moths: Comparing shifts in means, variances, and asymmetries. *Environmental Entomology*, 31(6), 965–971. <https://doi.org/10.1603/0046-225X-31.6.965>
- Horne, C. R., Hirst, A. G., & Atkinson, D. (2018). Insect temperature–body size trends common to laboratory, latitudinal and seasonal gradients are not found across altitudes. *Functional Ecology*, 32(4), 948–957. <https://doi.org/10.1111/1365-2435.13031>
- Johnson, L., Mantle, B. L., Gardner, J. L., & Backwell, P. R. Y. (2013). Morphometric measurements of dragonfly wings: The accuracy of pinned, scanned and detached measurement methods. *ZooKeys*, 276, 77–84. <https://doi.org/10.3897/zookeys.276.4207>
- Júnior, P. D. M., Batista, J. D., Soares, H., & Cabette, R. (2015). *Community Assembly of Adult Odonates in Tropical Streams: An Ecophysiological Hypothesis*. <https://doi.org/10.1371/journal.pone.0123023>
- Kalkman, V.J. & A.G.Orr. 2013. Field Guide to the Damselflies of New Guinea. Brachytron, Netherlands. 88-90 pp
- Kautz, M., Imron, M. A., Dworschak, K., & Schopf, R. (2015). Dispersal variability and associated population-level consequences in tree-killing bark beetles. *Movement Ecology*, 4(1), 1–12. <https://doi.org/10.1186/s40462-016-0074-9>
- Keller, D., & Holderegger, R. (2013). Damselflies use different movement strategies for short- and long-distance dispersal. *Insect Conservation and Diversity*, 6(5), 590–597. <https://doi.org/10.1111/icad.12016>
- La Porta, G., & Goretti, E. (2020). Movement and demography of Southern damselfly (*Coenagrion mercuriale*, Odonata) in a Mediterranean lotic ecosystem. *Ethology Ecology and Evolution*, 32(2), 107–121. <https://doi.org/10.1080/03949370.2019.1680446>
- Lieftinck, M.A. 1929. Contribution to the Dragonfly Fauna of the Sondaic Area. Pp 110-115. In Odonata, J.T. & C.H. De Meijere. Tijdschrift Voor Entomologie, De Nederlandsche Entomologische Vereeniging. Tweede Aflevering.

- Madej, G., Barczyk, G., & Gawenda, I. (2011). Importance of microhabitats for preservation of species diversity, on the basis of mesostigmatid mites (Mesostigmata, Arachnida, Acari). *Polish Journal of Environmental Studies*, 20(4), 961–968.
- May, M. L. (1976). Thermoregulation and Adaptation to Temperature in Dragonflies (Odonata: Anisoptera). *Ecological Monographs*, 46(1), 1–32. <https://doi.org/10.2307/1942392>
- Mendes, T. P., Luiza-Andrade, A., Cabette, H. S. R., & Juen, L. (2018). How Does Environmental Variation Affect the Distribution of Dragonfly Larvae (Odonata) in the Amazon-Cerrado Transition Zone in Central Brazil? *Neotropical Entomology*, 47(1), 37–45. <https://doi.org/10.1007/s13744-017-0506-2>
- Mendes, Thiago Pereira, Cabette, H. S. R., & Juen, L. (2015). Setting boundaries: Environmental and spatial effects on Odonata larvae distribution (Insecta). *Anais Da Academia Brasileira de Ciencias*, 87(1), 239–248. <https://doi.org/10.1590/0001-3765201520130477>
- Mujiantoro, W.G. 2015. Karakteristik Habitat Owa Jawa (*Hylobates moloch* Audebert, 1798) di Hutan Lindung Peungkriyono, Kabupaten Pekalongan, Jawa Tengah. Skripsi Prodi Kehutanan Universitas Gadjah Mada. Yogyakarta.
- Nagy, H. B., László, Z., Szabó, F., Szöcs, L., Dévai, G., & Tóthmérész, B. (2019). *Landscape-scale terrestrial factors are also vital in shaping Odonata assemblages of watercourses*. 1–8. <https://doi.org/10.1038/s41598-019-54628-7>
- Neha. (2015). Sizing the shape: Understanding morphometrics. *Journal of Clinical and Diagnostic Research*, 9(1), 21–26. <https://doi.org/10.7860/JCDR/2015/8971.5458>
- Nichols, S. (1977). On the interpretation of principal components analysis in ecological contexts. *Vegetatio*, 34(3), 191–197. <https://doi.org/10.1007/BF00055215>
- Nugrahaningrum, A., N. Kamaludien, and D.W. Pamungkas. 2017. Distribution and microhabitat characteristic of *Drepanosticta spatulifera*, an endemic Java Damselfly (Odonata: Platystictidae) in Mount Ungaran, Central Java, Indonesia. International Conference on Biodiversity 4 (2). March 18-19. Society for Indonesian Biodiversity: 31-32.
- Nugrahaningrum, A. and R.C.H. Soesilohadi. 2017. The Javanese endemic damselfly *Drepanosticta spatulifera*: distribution and fluctuating population in Petungkriyono Forest, Central Java. *International Congress of Odonatology*. July 15-20. *World Wide Dragonfly Association*: 41.
- Nugrahaningrum, A. 2018. Fluktuasi populasi capung jarum *Drepanosticta spatulifera* Lieftinck, 1929, endemik Jawa (Odonata; Platystictidae) di aliran sungai Hutan Lindung Petungkriyono, Pekalongan, Jawa Tengah. *Skripsi Program Studi Biologi Universitas Gadjah Mada*.
- O'Dell, R. E., & Rajakaruna, N. (2011). Intraspecific variation, adaptation, and evolution. In *Serpentine: The Evolution and Ecology of a Model System* (Issue February 2011). <https://doi.org/10.1525/california/9780520268357.003.0005>
- Oliveira-Junior, J. M. B. de, De Marco, P., Dias-Silva, K., Leitão, R. P., Leal, C. G.,

- Pompeu, P. S., Gardner, T. A., Hughes, R. M., & Juen, L. (2017). Effects of human disturbance and riparian conditions on Odonata (Insecta) assemblages in eastern Amazon basin streams. *Limnologia*, *66*, 31–39. <https://doi.org/10.1016/j.limno.2017.04.007>
- Oliveira-Junior, J. M. B., Dias-Silva, K., Teodósio, M. A., & Juen, L. (2019). The response of neotropical dragonflies (Insecta: Odonata) to local and regional abiotic factors in small streams of the amazon. *Insects*, *10*(12). <https://doi.org/10.3390/insects10120446>
- Palacino-Rodríguez, F., Palacino, D. A., Munguia-Steyer, R., & Juen, L. (2020). Effects of seasonality and environmental change on an Andean damselfly *Mesamphiagrion laterale* (Odonata: Coenagrionidae). *Journal of Insect Conservation*, *24*(3), 499–511. <https://doi.org/10.1007/s10841-020-00237-z>
- Pennekamp, F., Clobert, J., & Schtickzelle, N. (2019). The interplay between movement, morphology and dispersal in Tetrahymena ciliates. *PeerJ*, *2019*(12), 1–19. <https://doi.org/10.7717/peerj.8197>
- Ramakrishnan, A. P. (2018). Dispersal-Migration. *Encyclopedia of Ecology*, *1*, 185–191. <https://doi.org/10.1016/B978-0-444-63768-0.00644-2>
- Roe, S. N. (2017). *Micro habitat positioning of Odonata at time of emergence and its possible effect upon the persistence of exuviae. October.* <https://doi.org/10.13140/RG.2.2.36614.68165>
- Rouquette, J. R., & Thompson, D. J. (2007). Patterns of movement and dispersal in an endangered damselfly and the consequences for its management. *Journal of Applied Ecology*, *44*(3), 692–701. <https://doi.org/10.1111/j.1365-2664.2007.01284.x>
- Rundle, S. D., Bilton, D. T., Abbott, J. C., & Foggo, A. (2007). Range size in North American Enallagma damselflies correlates with wing size. *Freshwater Biology*, *52*(3), 471–477. <https://doi.org/10.1111/j.1365-2427.2006.01712.x>
- Rusydi, A. F. (2018). Correlation between conductivity and total dissolved solid in various type of water: A review. *IOP Conference Series: Earth and Environmental Science*, *118*(1). <https://doi.org/10.1088/1755-1315/118/1/012019>
- Sacchi, R., & Hardersen, S. (2013). Wing length allometry in Odonata: Differences between families in relation to migratory behaviour. *Zoomorphology*, *132*(1), 23–32. <https://doi.org/10.1007/s00435-012-0172-1>
- Samejima, Y., & Tsubaki, Y. (2010). Body temperature and body size affect flight performance in a damselfly. *Behavioral Ecology and Sociobiology*, *64*(4), 685–692. <https://doi.org/10.1007/s00265-009-0886-3>
- Samways, M. J., & Sharratt, N. J. (2010). Recovery of endemic dragonflies after removal of invasive alien trees: Contributed paper. *Conservation Biology*, *24*(1), 267–277. <https://doi.org/10.1111/j.1523-1739.2009.01427.x>
- Sarwono, J. and U. Narimawati. 2015. Membuat skripsi, tesis, dan disertasi dengan *partial least square SEM (PLS-SEM)*. Penerbit ANDI. Yogyakarta.
- Schorr, M. and D. Paulson. 2019. *World Odonata List*. (<https://www.pugetsound.edu/academics/academic-resources/slater->

- museum/biodiversity-resources/dragonflies/world-odonata-list2
- Schradin, C. (2013). Intraspecific variation in social organization by genetic variation, developmental plasticity, social flexibility or entirely extrinsic factors. *Philosophical Transactions of the Royal Society B: Biological Sciences*, 368(1618). <https://doi.org/10.1098/rstb.2012.0346>
- Schutte, M. (1997). (*Zygoptera: Calopterygidae*). 26(3), 317–327.
- Shaw, A. K. (2020). Causes and consequences of individual variation in animal movement. *Movement Ecology*, 8(1), 1–12. <https://doi.org/10.1186/s40462-020-0197-x>
- Siregar, A. Z., Rawi, C. S., & Nasution, Z. (2009). *Population Density of Damselfly Agriocnemis femina (Odonata : Coenagrionidae) in Manik Rambung Ricefield , Simalungun-Sumatera Utara Kepadatan Populasi Capung Agriocnemis femina (Odonata : Coenagrionidae) di Pertanaman Padi Sawah di Desa Manik Rambung*. 23–32.
- Sugiyama, M., Idé, T., Nakajima, S., & Sese, J. (2010). Semi-supervised local Fisher discriminant analysis for dimensionality reduction. *Machine Learning*, 78(1–2), 35–61. <https://doi.org/10.1007/s10994-009-5125-7>
- Suhling, F., Sahlén, G., Gorb, S., Kalkman, V. J., Dijkstra, K. D. B., & van Tol, J. (2015). Order Odonata. In *Thorp and Covich's Freshwater Invertebrates: Ecology and General Biology: Fourth Edition* (Fourth Edi, Vol. 1). Elsevier. <https://doi.org/10.1016/B978-0-12-385026-3.00035-8>
- Suhonen, J., Hilli-Lukkarinen, M., Korkeamäki, E., Kuitunen, M., Kullas, J., Penttinen, J., & Salmela, J. (2010). Local extinction of dragonfly and damselfly populations in low- and high-quality habitat patches. *Conservation Biology*, 24(4), 1148–1153. <https://doi.org/10.1111/j.1523-1739.2010.01504.x>
- Troast, D., Suhling, F., Jinguji, H., Sahlén, G., & Ware, J. (2016). A global population genetic study of *pantala flavescens*. *PLoS ONE*, 11(3), 1–13. <https://doi.org/10.1371/journal.pone.0148949>
- Utama, A.P.W. 2014. Diversifikasi produksi: studi ekonomi politik pedesaan di Jawa. *Forum Ilmu Sosial* vol 41 (2): 195-206.
- van Tol, J. (2009). Phylogeny and biogeography of the Platystictidae (Odonata). *Thesis*, 1–212. [papers2://publication/uuid/25394FCC-1393-4EF8-83E3-B7082FE7E0F8](https://publication.uuid/25394FCC-1393-4EF8-83E3-B7082FE7E0F8)
- Widhiono, I. 2009. Konservasi keanekaragaman hayati Hutan Petungkriyono melalui ekowisata. *Prosiding Seminar Nasional Biologi, Ilmu Lingkungan, dan Pembelajarannya*. 4 Juli 2009. *Universitas Negeri Yogyakarta*: 281-287.
- Wikelski, M., Moskowicz, D., Adelman, J. S., Cochran, J., Wilcove, D. S., & May, M. L. (2006). Simple rules guide dragonfly migration. *Biology Letters*, 2(3), 325–329. <https://doi.org/10.1098/rsbl.2006.0487>
- Zaman, M. N., Fuadi, B. F., & Sultoni, A. (2019). Diversity of Dragonfly Genus *Drepanosticta* in Tourism Forest Curug. *Proceeding International Conference Science Engineering*, 2, 115–118.
- Zboralski, A., Vilarelle, M., Colombel, E., Tabone, E., & Vercken, E. (2016). Density-

dependent dispersal in biological control agents: a reflexion on the side-effects of mass-rearing conditions. *BioControl*, 61(1), 13–22. <https://doi.org/10.1007/s10526-015-9696-x>

Zebba, R., Khelifa, R., & Kahalerras, A. (2015). Adult movement pattern and habitat preferences of the maghribian endemic gomphus lucasii (odonata: Gomphidae). *Journal of Insect Science*, 15(1), 1–8. <https://doi.org/10.1093/jisesa/iev128>