

DAFTAR PUSTAKA

- Abbas, N., Jalil, S., & Nader, S. (2021). Habitat suitability modeling of Goitered Gazelle (*Gazella subgutturosa*) by Ecological Niche Factor Analysis in the Bidouyeh protected area, Iran. *Journal of Wildlife and Biodiversity*, 5(4), 15–27. <https://doi.org/10.22120/JWB.2021.528662.1223>
- Afrianto, W. F., Hikmat, A., & Widyatmoko, D. (2016). Komunitas Floristik dan Suksesi Vegetasi Setelah Erupsi 2010 di Gunung Merapi Jawa Tengah (Floristic Community and Vegetation Succession after the 2010 Eruption of Mount Merapi Central Jawa). *Jurnal Biologi Indonesia*, 12(2), 265–276.
- Ahumada, J. A., Silva, C. E. F., Gajapersad, K., Hallam, C., Hurtado, J., Martin, E., McWilliam, A., Mugerwa, B., O'Brien, T., Rovero, F., Sheil, D., Spironello, W. R., Winarni, N., & Andelman, S. J. (2011). Community structure and diversity of tropical forest mammals: Data from a global camera trap network. *Philosophical Transactions of the Royal Society B: Biological Sciences*, 366(1578), 2703–2711. <https://doi.org/10.1098/rstb.2011.0115>
- Aisyah, N., & Purnamawati, D. I. (2012). Tinjauan Dampak Banjir Lahar Kali Putih, Kabupaten Magelang Pasca Erupsi Merapi 2010. *Agustus*, 5(1), 19–30.
- Aldhebiani, A. Y. (2018). Species concept and speciation. *Saudi Journal of Biological Sciences*, 25(3), 437–440. <https://doi.org/10.1016/j.sjbs.2017.04.013>
- Alexandre, D., Souza, D., Luis, A., Gonc, S., Matheus, E., Muhlen, V., & Maria, V. (2021). *Estimating occupancy and detection probability of the Amazonian manatee (Trichechus inunguis)*, in *Central Amazon , Brazil*. 19, 354–361. <https://doi.org/10.1016/j.pecon.2021.03.009>
- Anasari, S. D., Pusparini, W., & Andayani, N. (2021). Predicting the distribution of sunda pangolin (manis javanica desmarest, 1822) in way canguk research station, bukit barisan selatan national park, lampung. *Journal of Tropical Biodiversity and Biotechnology*, 6(1), 1–11. <https://doi.org/10.22146/jtbb.58612>
- Andermann, T., Faurby, S., Turvey, S. T., Antonelli, A., & Silvestro, D. (2020). The past and future human impact on mammalian diversity. *Science Advances*, 6(36), 1–18. <https://doi.org/10.1126/sciadv.abb2313>
- Aquino, C., Mitchard, E. T. A., McNicol, I. M., Carstairs, H., Burt, A., Puma Vilca, B. L., Obiang Ebanéga, M., Modinga Dikongo, A., Dassi, C., Mayta, S., Tamayo, M., Grijalba, P., Miranda, F., & Disney, M. (2022). Reliably mapping low-intensity forest disturbance using satellite radar data. *Frontiers in Forests and Global Change*, 5. <https://doi.org/10.3389/ffgc.2022.1018762>
- Ardente, N. C., Ferreguetti, Á. C., Gettinger, D., Leal, P., Mendes-Oliveira, A. C., Martins-Hatano, F., & Bergallo, H. G. (2016). Diversity and impacts of mining on the non-volant small mammal communities of two vegetation types in the

- brazilian amazon. *PLoS ONE*, 11(11).
<https://doi.org/10.1371/journal.pone.0167266>
- Arévalo-Sandi, A., Bobrowiec, P. E. D., Chuma, V. J. U. R., & Norris, D. (2018). Diversity of terrestrial mammal seed dispersers along a lowland Amazon forest regrowth gradient. *PLoS ONE*, 13(3), 1–19.
<https://doi.org/10.1371/journal.pone.0193752>
- Arnese, A. (2003). Applying Ecological Niche Factor Analysis for Predictive Modelling in the Kaulonia Field Survey. *Perception*, 1–5.
- Ayunin, Q., Pudyatmoko, S., & Imron, M. A. (2014). SELEKSI HABITAT LUTUNG JAWA (*Trachypithecus auratus* E. Geoffroy SaintHilaire, 1812) DI TAMAN NASIONAL GUNUNG MERAPI. *Jurnal Penelitian Hutan Dan Konservasi Alam*, 11(3), 261–279.
<https://doi.org/10.20886/jphka.2014.11.3.261-279>
- Bajaru, S. B., Kulavmode, A. R., & Manakadan, R. (2019). Influence of microhabitat and landscape-scale factors on the richness and occupancy of small mammals in the northern Western Ghats: A multi-species occupancy modeling approach. *Mammalian Biology*, 99, 88–96.
<https://doi.org/10.1016/j.mambio.2019.10.003>
- Balen, S. Van, Nijman, V., & Sozer, R. (1999). Distribution and Conservation of the Javan Hawk-eagle *Spizaetus bartelsi*. *Bird Conservation International*, 9(May 2016), 333–349. <https://doi.org/10.1017/S0959270900003695>
- Banskota, A., Kayastha, N., Falkowski, M. J., Wulder, M. A., Froese, R. E., & White, J. C. (2014). Forest Monitoring Using Landsat Time Series Data: A Review. *Canadian Journal of Remote Sensing*, 40(5), 362–384.
<https://doi.org/10.1080/07038992.2014.987376>
- Barton, K., & Barton, M. K. (2020). *MuMIn: Multi-Model Inference. R package version 1.43.17*. 1(1), 18.
- Basille, M., Calenge, C., Marboutin, É., Andersen, R., & Gaillard, J. M. (2008). Assessing habitat selection using multivariate statistics: Some refinements of the ecological-niche factor analysis. *Ecological Modelling*, 211(1–2), 233–240. <https://doi.org/10.1016/j.ecolmodel.2007.09.006>
- Battisti, C., Poeta, G., & Fanelli, G. (2016). An introduction to disturbance ecology a road map for wildlife management and conservation. In *Springer* (Issue 9783319324753). Springer International Publishing.
https://doi.org/10.1007/978-3-319-32476-0_3
- Belay, L., Birhane, E., Zenebe, A., Weldu, A., Chiemela, S. N., & Solomon, N. (2020). Effects of stone mining on woody plant species diversity and selected soil properties in northern Ethiopia. *Environmental Systems Research*, 9(1).
<https://doi.org/10.1186/s40068-020-00171-8>
- Bhakti, T., Goulart, F., de Azevedo, C. S., & Antonini, Y. (2018). Does scale matter? The influence of three-level spatial scales on forest bird occurrence in

- a tropical landscape. *PLoS ONE*, 13(6), 1–17.
<https://doi.org/10.1371/journal.pone.0198732>
- BirdLife Int. (2017). *Nisaetus bartelsi*, Javan Hawk-eagle. In *The IUCN Red List of Threatened Species 2017: Vol. IUCN*.
- Bista, D., Baxter, G. S., Hudson, N. J., Lama, S. T., & Murray, P. J. (2022). Effect of disturbances and habitat fragmentation on an arboreal habitat specialist mammal using GPS telemetry: a case of the red panda. *Landscape Ecology*, 37(3), 795–809. <https://doi.org/10.1007/s10980-021-01357-w>
- Bogoni, J. A., Cherem, J. J., Hettwer Giehl, E. L., Oliveira-Santos, L. G., De Castilho, P. V., Picinatto Filho, V., Fantacini, F. M., Tortato, M. A., Luiz, M. R., Rizzaro, R., & Graipel, M. E. (2016). Landscape features lead to shifts in communities of medium- to large-bodied mammals in subtropical Atlantic Forest. *Journal of Mammalogy*, 97(3), 713–725. <https://doi.org/10.1093/jmammal/gyv215>
- Boron, V., Deere, N. J., Xo, P., Link, A., Quiñones-guerrero, A., Payan, E., & Tzanopoulos, J. (2019). Richness , diversity , and factors in fl uencing occupancy of mammal communities across human-modi fi ed landscapes in Colombia. *Biological Conservation*, 232(May 2018), 108–116. <https://doi.org/10.1016/j.biocon.2019.01.030>
- Bridge, A. S., & Noss, A. J. (2011). Behavior and Activity Pattern. Camera traps in animal ecology: Methods and analyses. *Camera Traps in Animal Ecology: Methods and Analyses*, 1–271. <https://doi.org/10.1007/978-4-431-99495-4>
- Briscoe Runquist, R. D., Lake, T., Tiffin, P., & Moeller, D. A. (2019). Species distribution models throughout the invasion history of Palmer amaranth predict regions at risk of future invasion and reveal challenges with modeling rapidly shifting geographic ranges. *Scientific Reports*, 9(1), 1–12. <https://doi.org/10.1038/s41598-018-38054-9>
- Brodie, J. F., Giordano, A. J., & Ambu, L. (2015). Differential responses of large mammals to logging and edge effects. *Mammalian Biology*, 80(1), 7–13. <https://doi.org/10.1016/j.mambio.2014.06.001>
- Brotons, L., Thuiller, W., Araújo, M. B., & Hirzel, A. H. (2004). Presence-absence versus presence-only modelling methods for predicting bird habitat suitability. *Ecography*, 27(4), 437–448. <https://doi.org/10.1111/j.0906-7590.2004.03764.x>
- Brown, C. (2012). Experience and Learning in Changing Environments. In U. Candolin & B. B. Wong (Eds.), *Behavioural Response to a Changing World* (1st ed., pp. 46–60). Oxford University Press.
- Buermann, W., Schwantes Marimon, B., Matias Reis, S., Adami, M., Mitchard, E., Marimon Junior, B. H., Wang, Y., Ziv, G., Batterman, S. A., Galbraith, D., & Rodrigues, D. (2018). Mapping tropical disturbed forests using multi-decadal 30 m optical satellite imagery. *Remote Sensing of Environment*, 221(December 2018), 474–488. <https://doi.org/10.1016/j.rse.2018.11.028>

- Burgin, C. J., Colella, J. P., Kahn, P. L., & Upham, N. S. (2018). How many species of mammals are there? *Journal of Mammalogy*, 99(1), 1–14. <https://doi.org/10.1093/jmammal/gyx147>
- Burkle, L. A., Myers, J. A., Belote, R. T., & Peters, D. P. C. (2015). Wildfire disturbance and productivity as drivers of plant species diversity across spatial scales. *Ecosphere*, 6(10). <https://doi.org/10.1890/ES15-00438.1>
- Burnham, K. P., Anderson, D. R., & Huyvaert, K. P. (2011). AIC model selection and multimodel inference in behavioral ecology: Some background, observations, and comparisons. *Behavioral Ecology and Sociobiology*, 65(1), 23–35. <https://doi.org/10.1007/s00265-010-1029-6>
- Calderon, E. L., Porter, L., Martinez, A., Alcocer, J., Luisa, A., Marti, M., & Pe, D. R. (2012). An assessment of natural and human disturbance effects on Mexican ecosystems : current trends and research gaps Chihuahuan desert Coral reefs from the Caribbean Sea. *Biodiversity Conservation*, 589–617. <https://doi.org/10.1007/s10531-011-0218-6>
- Campbell, T. A., & Long, D. B. (2010). Activity patterns of wild boars (*Sus scrofa*) in Southern Texas. *Southwestern Naturalist*, 55(4), 564–600. <https://doi.org/10.1894/TAL-15.1>
- Campera, M., Hedger, K., Birot, H., Manson, S., Balestri, M., Budiadi, B., Imron, M. A., Nijman, V., & Nekaris, K. A. I. (2021). Does the presence of shade trees and distance to the forest affect detection rates of terrestrial vertebrates in coffee home gardens? *Sustainability (Switzerland)*, 13(15). <https://doi.org/10.3390/su13158540>
- Campos, B. M., Charters, J. D., & Verdade, L. M. (2018). Diversity and distribution patterns of medium to large mammals in a silvicultural landscape in south-eastern Brazil. *IForest*, 11(6), 802–808. <https://doi.org/10.3832/ifor2721-011>
- Candra, D. S., Phinn, S., & Scarth, P. (2016). Cloud and cloud shadow masking using multi-temporal cloud masking algorithm in tropical environmental. *International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives*, 41(July), 95–100. <https://doi.org/10.5194/isprsarchives-XLI-B2-95-2016>
- Candra, Danang Surya, Phinn, S., & Scarth, P. (2019). Automated cloud and cloud-shadow masking for Landsat 8 using multitemporal images in a variety of environments. *Remote Sensing*, 11(17). <https://doi.org/10.3390/rs11172060>
- Caruso, N., Valenzuela, A. E. J., Burdett, C. L., Luengos Vidal, E. M., Birochio, D., & Casanave, E. B. (2018). Summer habitat use and activity patterns of wild boar *Sus scrofa* in rangelands of central Argentina. *PLoS ONE*, 13(10), 1–15. <https://doi.org/10.1371/journal.pone.0206513>
- Castellote, M., Clark, C. W., & Lammers, M. O. (2012). Acoustic and behavioural changes by fin whales (*Balaenoptera physalus*) in response to shipping and airgun noise. *Biological Conservation*, 147(1), 115–122. <https://doi.org/10.1016/j.biocon.2011.12.021>

- Cavada, N., Havmøller, R. W., Scharff, N., & Rovero, F. (2019). A landscape-scale assessment of tropical mammals reveals the effects of habitat and anthropogenic disturbance on community occupancy. *PLoS ONE*, 14(4), 1–15. <https://doi.org/10.1371/journal.pone.0215682>
- Chakraborty, A. (2019). Mountains as vulnerable places: a global synthesis of changing mountain systems in the Anthropocene. *GeoJournal*, 1(1). <https://doi.org/10.1007/s10708-019-10079-1>
- Chakraborty, A. (2020). Mountains as a Global Heritage: Arguments for Conserving the Natural Diversity of Mountain Regions. *Heritage*, 3(2), 198–207. <https://doi.org/10.3390/heritage3020012>
- Challender, D., Willcox, D. H. A., Panjang, E., Lim, N., Nash, H., Heinrich, S., & Chong, J. (2019). Manis javanica. *The IUCN Red List of Threatened Species 2019*, 8235(IUCN 2019: T12763A123584856), 1–26. www.iucnredlist.org
- Charaspet, K., Sukmasuang, R., Khoewsree, N., Pla-Ard, M., Paansri, P., Keawdee, B., Chanachai, Y., & Bhumpakphan, N. (2021). Spatial and temporal overlaps of top predators: Dhole, tiger and leopard, and their potential preys in huai kha khaeng wildlife sanctuary, thailand. *Biodiversitas*, 22(2), 580–592. <https://doi.org/10.13057/biodiv/d220209>
- Charbonnier, S. J., Germa, A., Connor, C. B., Gertisser, R., Preece, K., Komorowski, J. C., Lavigne, F., Dixon, T., & Connor, L. (2013). Evaluation of the impact of the 2010 pyroclastic density currents at Merapi volcano from high-resolution satellite imagery, field investigations and numerical simulations. *Journal of Volcanology and Geothermal Research*, 261, 295–315. <https://doi.org/10.1016/j.jvolgeores.2012.12.021>
- Chen, M. T., Tewes, M. E., Pei, K. J., & Grassman, L. I. (2009). Activity patterns and habitat use of sympatric small carnivores in southern Taiwan. *Mammalia*, 73(1), 20–26. <https://doi.org/10.1515/MAMM.2009.006>
- Cheyne, S. M., Sastramidjaja, W. J., Muhalir, Rayadin, Y., & Macdonald, D. W. (2016). Mammalian communities as indicators of disturbance across Indonesian Borneo. *Global Ecology and Conservation*, 7(91), 157–173. <https://doi.org/10.1016/j.gecco.2016.06.002>
- Chuang, S. A., & Lee, L. L. (1997). Food habits of three carnivore species (*Viverricula indica*, *Herpestes urva*, and *Melogale moschata*) in Fushan Forest, northern Taiwan. *Journal of Zoology*, 243(1), 71–79. <https://doi.org/10.1111/j.1469-7998.1997.tb05757.x>
- Ciuti, S., Northrup, J. M., Muhly, T. B., Simi, S., Musiani, M., Pitt, J. A., & Boyce, M. S. (2012). Effects of Humans on Behaviour of Wildlife Exceed Those of Natural Predators in a Landscape of Fear. *PLoS ONE*, 7(11). <https://doi.org/10.1371/journal.pone.0050611>
- Clarkson, B. D. (2018). *Volcano Ecology: Disturbance Characteristics and Assembly of Biological Volcano Ecology: Disturbance Characteristics and Assembly of Biological Communities*. April 2015.

- Clements, G. R., Lynam, A. J., Gaveau, D., Yap, W. L., Lhota, S., Goosem, M., Laurance, S., & Laurance, W. F. (2014). Where and how are roads endangering mammals in Southeast Asia's forests? *PLoS ONE*, 9(12), 1–25. <https://doi.org/10.1371/journal.pone.0115376>
- Cloyed, C., Cappelli, L., Tilson, D., Crawford, J., & Dell, A. (2018). Using Camera Traps to Assess Mammal and Bird Assemblages in a Midwestern Forest. *Journal of Fish and Wildlife Management*, 9(2), 496–506. <https://doi.org/10.3996/122017-JFWM-103.S2>
- Cole, L. E. S., Bhagwat, S. A., & Willis, K. J. (2014). Recovery and resilience of tropical forests after disturbance. *Nature Communications*, 5(May), 1–7. <https://doi.org/10.1038/ncomms4906>
- Collins, S. L., & Glenn, S. M. (1997). Intermediate disturbance and its relationship to within- and between-patch dynamics. *New Zealand Journal of Ecology*, 21(1), 103–110.
- Congalton, R. G. (1991). A review of assessing the accuracy of classifications of remotely sensed data. *Remote Sensing of Environment*, 37(1), 35–46. [https://doi.org/10.1016/0034-4257\(91\)90048-B](https://doi.org/10.1016/0034-4257(91)90048-B)
- Connell, J. H. (1978). Diversity in tropical rain forests and coral reefs. *Science*, 199(6), 1302–1310. <https://doi.org/10.2307/4081809>
- Contreras-Abarca, R., Crespin, S. J., Moreira-Arce, D., & Simonetti, J. A. (2022). Redefining feral dogs in biodiversity conservation. *Biological Conservation*, 265(June 2021), 109434. <https://doi.org/10.1016/j.biocon.2021.109434>
- Cooke, J. A., & Johnson, M. S. (2002). *Ecological restoration of land with particular reference to the mining of metals and industrial minerals : A review of theory and practice*. 71, 41–71. <https://doi.org/10.1139/A01-014>
- Coppes, J., Nopp-Mayr, U., Grünschachner-Berger, V., Storch, I., Suchant, R., & Braunisch, V. (2018). Habitat suitability modulates the response of wildlife to human recreation. *Biological Conservation*, 227(May), 56–64. <https://doi.org/10.1016/j.biocon.2018.08.018>
- Cortés-Marcial, M., Martínez Ayón, Y. M., & Briones-Salas, M. (2014). Diversity of large and medium mammals in Juchitan, Isthmus of Tehuantepec, Oaxaca, Mexico. *Animal Biodiversity and Conservation*, 37(1), 1–12. <https://doi.org/10.32800/abc.2014.37.0001>
- Cortés–Marcial M, M. A. Y. M. & B. M. (2014). Diversity of large and medium mammals in Juchitan , Isthmus of Tehuantepec , Oaxaca , Mexico M . Cortés – Marcial , Y . M . Martínez Ayón &. *Animal Biodiversity and Conservation*, 1(37), 1–12.
- Cove, M. (2016). *OCCUPANCY MODELING OF MEDIUM AND LARGE MAMMAL DIVERSITY IN A OCCUPANCY MODELING OF MEDIUM AND LARGE MAMMAL DIVERSITY IN A CENTRAL AMERICAN BIOLOGICAL CORRIDOR An Abstract Of a thesis presented in partial fulfillment of the*

requirements for the degree of M. April.

- Cremonesi, G., Bisi, F., Gaffi, L., Zaw, T., Naing, H., Moe, K., Aung, Z., Gagliardi, A., Wauters, L. A., Preatoni, D. G., & Martinoli, A. (2021). Evaluation of human disturbance on the activity of medium–large mammals in Myanmar tropical forests. *Forests*, 12(3), 1–15. <https://doi.org/10.3390/f12030290>
- Crisafulli, C. M., Swanson, F. J., & Dale, V. H. (2005). Overview of ecological responses to the eruption of Mount St. Helens: 1980-2005. *Ecological Responses to the 1980 Eruption of Mount St. Helens*, 287–299. https://doi.org/10.1007/0-387-28150-9_20
- Crisafulli, C. M., Swanson, F. J., Halvorson, J. J., & Clarkson, B. D. (2015). Volcano Ecology. In H. Sigurdsson (Ed.), *The Encyclopedia of Volcanoes* (Second Edi, pp. 1265–1284). Elsevier Inc. <https://doi.org/10.1016/b978-0-12-385938-9.00073-0>
- Crooks, K. R., Burdett, C. L., Theobald, D. M., Rondinini, C., & Boitani, L. (2011). Global patterns of fragmentation and connectivity of mammalian carnivore habitat. *Philosophical Transactions of the Royal Society B: Biological Sciences*, 366(1578), 2642–2651. <https://doi.org/10.1098/rstb.2011.0120>
- Cushman, S. A., McGarigal, K., McKelvey, K. S., Vojta, C. D., & Regan, C. M. (2013). . Landscape Analysis for Habitat Monitoring. In *In: Rowland, MM; Vojta, CD; tech. eds. 2013. A A Technical guide for monitoring wildlife habitat. Gen. Tech. Rep. WO-89. Washington, DC: US Department of Agriculture, Forest Service. 18p.* (pp. 1–6).
- Danneayrolles, V., Arseneault, D., & Bergeron, Y. (2018). Anthropogenic disturbances strengthened tree community- environment relationships at the temperate-boreal interface. *Landscape Ecology*, 33(2), 213–224. <https://doi.org/10.1007/s10980-017-0591-y>
- Davies, I. D., Cary, G. J., Landguth, E. L., Lindenmayer, D. B., & Banks, S. C. (2016). Implications of recurrent disturbance for genetic diversity. *Ecology and Evolution*, 6(4), 1181–1196. <https://doi.org/10.1002/ece3.1948>
- Dawson, M. N., Algar, A. C., Heaney, L. R., & Stuart, Y. E. (2016). Biogeography of Islands, Lakes, and Mountaintops; Evolutionary. *Encyclopedia of Evolutionary Biology*, March 2021, 203–210. <https://doi.org/10.1016/B978-0-12-800049-6.00112-8>
- del Río, S., Canas, R., Cano, E., Cano-Ortiz, A., Musarella, C., Pinto-Gomes, C., & Penas, A. (2021). Modelling the impacts of climate change on habitat suitability and vulnerability in deciduous forests in Spain. *Ecological Indicators*, 131(May), 108202. <https://doi.org/10.1016/j.ecolind.2021.108202>
- Dendang, B., & Handayani, W. (2015). *Struktur dan komposisi tegakan hutan di Taman Nasional Gunung Gede Pangrango, Jawa Barat. 1(C)*, 691–695. <https://doi.org/10.13057/psnmbi/m010401>
- DiPaola, J. D., Yindee, M., & Plotnik, J. M. (2020). Investigating the use of sensory

information to detect and track prey by the Sunda pangolin (*Manis javanica*) with conservation in mind. *Scientific Reports*, 10(1), 1–10. <https://doi.org/10.1038/s41598-020-65898-x>

Dorazio, R. M., & Royle, J. A. (2005). Estimating size and composition of biological communities by modeling the occurrence of species. *Journal of the American Statistical Association*, 100(470), 389–398. <https://doi.org/10.1198/016214505000000015>

Dormann, C. F., Elith, J., Bacher, S., Buchmann, C., Carl, G., Carré, G., Marquéz, J. R. G., Gruber, B., Lafourcade, B., Leitão, P. J., Münkemüller, T., McClean, C., Osborne, P. E., Reineking, B., Schröder, B., Skidmore, A. K., Zurell, D., & Lautenbach, S. (2013). Collinearity: A review of methods to deal with it and a simulation study evaluating their performance. *Ecography*, 36(1), 27–46. <https://doi.org/10.1111/j.1600-0587.2012.07348.x>

Dos Santos, C. L. A., Le Pendu, Y., Giné, G. A. F., Dickman, C. R., Newsome, T. M., & Cassano, C. R. (2018). Human behaviors determine the direct and indirect impacts of free-ranging dogs on wildlife. *Journal of Mammalogy*, 99(5), 1261–1269. <https://doi.org/10.1093/jmammal/gyy077>

Ducatez, S., Sol, D., Sayol, F., & Lefebvre, L. (2020). Behavioural plasticity is associated with reduced extinction risk in birds. *Nature Ecology and Evolution*, 4(6), 788–793. <https://doi.org/10.1038/s41559-020-1168-8>

Duckworth, J. Will, Shepherd, C. R., Rode-Margono, E. J., Wilianto, E., Spaan, D., & Abramov, A. V. (2016). *Melogale orientalis* (Javan Ferret Badger). *The IUCN Red List of Threatened Species*, October. <https://doi.org/10.2305/IUCN.UK.2016-1.RLTS.T41697A45218557.en>

Duckworth, J W, Robertson, S. I., & Brickle, N. W. (2008). Further notes on Javan Ferret Badger *Melogale orientalis* at Gunung Gede Pangrango National Park , Java. *Small Carnivore Conservation*, 39(October), 39–40.

Earth, M., Shrew, P., & Soricidae, E. (2021). *First Data on the Helminth Community of the Smallest Living*.

Eid, E., Soultan, A., & Elalqamy, H. (2022). *Habitat Suitability Modelling for Feline Species in Jordan : A tool for Climate-Responsive Conservation Planning*. 6(x), 1–28.

Einoder, L. D., Southwell, D. M., Lahoz-Monfort, J. J., Gillespie, G. R., Fisher, A., & Wintle, B. A. (2018). Occupancy and detectability modelling of vertebrates in northern Australia using multiple sampling methods. *PLoS ONE*, 13(9), 1–21. <https://doi.org/10.1371/journal.pone.0203304>

Engler, R., Guisan, A., & Rechsteiner, L. (2004). An improved approach for predicting the distribution of rare and endangered species from occurrence and pseudo-absence data. *Journal of Applied Ecology*, 41(2), 263–274. <https://doi.org/10.1111/j.0021-8901.2004.00881.x>

Escuin, S., Navarro, R., & Fernández, P. (2008). Fire severity assessment by using

- NBR (Normalized Burn Ratio) and NDVI (Normalized Difference Vegetation Index) derived from LANDSAT TM/ETM images. *International Journal of Remote Sensing*, 29(4), 1053–1073. <https://doi.org/10.1080/01431160701281072>
- Espinosa-Reyes, G., González-Mille, D. J., Ilizaliturri-Hernández, C. A., Mejía-Saavedra, J., Cilia-López, V. G., Costilla-Salazar, R., & Díaz-Barriga, F. (2014). Effect of mining activities in biotic communities of Villa de la Paz, San Luis Potosi, Mexico. *BioMed Research International*, 2014(1). <https://doi.org/10.1155/2014/165046>
- Fahrig, L. (2003). Effects of Habitat Fragmentation on Biodiversity. *Annual Review of Ecology, Evolution, and Systematics*, 34, 487–515. <https://doi.org/10.1146/annurev.ecolsys.34.011802.132419>
- Fahrig, L., Arroyo-Rodríguez, V., Bennett, J. R., Boucher-Lalonde, V., Cazetta, E., Currie, D. J., Eigenbrod, F., Ford, A. T., Harrison, S. P., Jaeger, J. A. G., Koper, N., Martin, A. E., Martin, J. L., Metzger, J. P., Morrison, P., Rhodes, J. R., Saunders, D. A., Simberloff, D., Smith, A. C., ... Watling, J. I. (2019). Is habitat fragmentation bad for biodiversity? *Biological Conservation*, 230(September 2018), 179–186. <https://doi.org/10.1016/j.biocon.2018.12.026>
- Fakhry, A. M., khazzan, M. M., & Aljedaani, G. S. (2018). Impact of disturbance on species diversity and composition of *Cyperus conglomeratus* plant community in southern Jeddah, Saudi Arabia. *Journal of King Saud University - Science*. <https://doi.org/10.1016/j.jksus.2018.09.003>
- Farida, W. R. (2015). Diversitas tumbuhan pakan, habitat dan pemanfaatan landak (*Hystrix* sp.) di Sumatera Selatan dan Kalimantan Timur. *Prosiding Seminar Nasional Masyarakat Biodiversitas Indonesia*, 1(Juni), 673–681. <https://doi.org/10.13057/psnmbi/m010348>
- Farina, A. (2000). Landscape Ecology in Action. In *Journal of Chemical Information and Modeling* (Vol. 53, Issue 9). Springer Netherlands. <https://doi.org/10.1007/978-94-011-4082-9>
- Fernandez-Duran, J. J. (2004). Circular Distributions Based on Nonnegative Trigonometric Sums. *Biometrics*, 60(June), 499–503.
- Fielding, A. H., & Bell, J. F. (1997). A review of methods for the assessment of prediction errors in conservation presence / absence models. *Environmental Conservation*, 24(1), 38–49.
- Fischer, A., Fickert, T., Schwaizer, G., Patzelt, G., & Groß, G. (2019). Vegetation dynamics in Alpine glacier forelands tackled from space. *Scientific Reports*, 9(1), 1–13. <https://doi.org/10.1038/s41598-019-50273-2>
- Fisher, J. T., Anholt, B., & Volpe, J. P. (2011). Body mass explains characteristic scales of habitat selection in terrestrial mammals. *Ecology and Evolution*, 1(4), 517–528. <https://doi.org/10.1002/ece3.45>
- Florinsky, I. V. (2009). Computation of the third-order partial derivatives from a

- digital elevation model. *International Journal of Geographical Information Science*, 23(May 2013), 213–231. <https://doi.org/10.1080/13658810802527499>
- Frank E. Harrell Jr. (2021). *Hmisc : Harrell Miscellaneous; R package version 4.5-0*.
- Fraser, R. H., Li, Z., & Cihlar, J. (2000). Hotspot and NDVI differencing synergy (HANDS): A new technique for burned area mapping over boreal forest. *Remote Sensing of Environment*, 74(3), 362–376. [https://doi.org/10.1016/S0034-4257\(00\)00078-X](https://doi.org/10.1016/S0034-4257(00)00078-X)
- Frey, S., Fisher, J. T., Burton, A. C., & Volpe, J. P. (2017). Investigating animal activity patterns and temporal niche partitioning using camera-trap data: challenges and opportunities. In *Remote Sensing in Ecology and Conservation* (Vol. 3, Issue 3, pp. 123–132). <https://doi.org/10.1002/rse2.60>
- Ganz, S., Adler, P., & Kändler, G. (2020). Forest cover mapping based on a combination of aerial images and sentinel-2 satellite data compared to national forest inventory data. *Forests*, 11(12), 1–20. <https://doi.org/10.3390/f11121322>
- Gao, B.-C. (1996). NDWI A Normalized difference water index for remote sensing of vegetation liquid water from space. *Remote Sensing of Environment*, 58(April 1996), 257–266. <https://doi.org/10.3109/9781420073553-3>
- Gao, B. (1996). NDWI A Normalized Difference Water Index for Remote Sensing of Vegetation Liquid Water From Space. *Remote Sensing of Environment*, 266(April 1995), 257–266.
- Gaynor, K. M., Hojnowski, C. E., Carter, N. H., & Brashares, J. S. (2018). The influence of human disturbance on wildlife nocturnality. *Science*, 360(6394), 1232–1235. <https://doi.org/10.1126/science.aar7121>
- Gerber, B. D., Karpanty, S. M., & Randrianantenaina, J. (2012). Activity patterns of carnivores in the rain forests of Madagascar: Implications for species coexistence. *Journal of Mammalogy*, 93(3), 667–676. <https://doi.org/10.1644/11-MAMM-A-265.1>
- Gillies, C. S., & St. Clair, C. C. (2008). Riparian corridors enhance movement of a forest specialist bird in fragmented tropical forest. *Proceedings of the National Academy of Sciences of the United States of America*, 105(50), 19774–19779. <https://doi.org/10.1073/pnas.0803530105>
- Glisson, W. J., Conway, C. J., Nadeau, C. P., & Borgmann, K. L. (2017). Habitat models to predict wetland bird occupancy influenced by scale, anthropogenic disturbance, and imperfect detection. *Ecosphere*, 8(6). <https://doi.org/10.1002/ecs2.1837>
- Gogol-Prokurat, M. (2014). Characterizing habitat suitability for disturbance-dependent rare plants of gabbro soils. *California Fish and Game*, 100(1), 19–33.

- Gokyer, E. (2013). Understanding Landscape Structure Using Landscape Metrics. In *Advances in Landscape Architecture*. InTech. <https://doi.org/10.5772/55758>
- Grabska, E., Hawrylo, P., & Socha, J. (2020). Continuous detection of small-scale changes in scots pine dominated stands using dense sentinel-2 time series. *Remote Sensing*, 12(8), 1–20. <https://doi.org/10.3390/RS12081298>
- Graves, V., Tirelli, F., Horn, P., Resende, L., Bolze, G., Dutra, J., Fonseca, C., & Pereira, M. J. (2021). Impact of anthropogenic factors on occupancy and abundance of carnivorans in the Austral Atlantic forest. *Journal for Nature Conservation*, 59(August 2020), 125951. <https://doi.org/10.1016/j.jnc.2020.125951>
- Grêt-Regamey, A., & Weibel, B. (2020). Global assessment of mountain ecosystem services using earth observation data. *Ecosystem Services*, 46. <https://doi.org/10.1016/j.ecoser.2020.101213>
- Griffiths, M., & Schaik, C. P. (1993). The Impact of Human Traffic on the Abundance and Activity Periods of Sumatran Rain Forest Wildlife. *Conservation Biology*, 7(3), 623–626. <https://doi.org/10.1046/j.1523-1739.1993.07030623.x>
- Guisan, A., & Thuiller, W. (2005). Predicting species distribution: Offering more than simple habitat models. *Ecology Letters*, 8(9), 993–1009. <https://doi.org/10.1111/j.1461-0248.2005.00792.x>
- Guisan, A., Thuiller, W., & Zimmermann, N. E. (2017). Habitat Suitability and Distribution Models. In *Habitat Suitability and Distribution Models*. Cambridge University Press. <https://doi.org/10.1017/9781139028271>
- Gunawan, H., & Lilik Budi Prasetyo. (2013). *Fragmentasi Hutan: Teori yang mendasari penataan ruang hutan menuju pembangunan berkelanjutan*. Pusat Penelitian dan Pengembangan Konservasi dan Rehabilitasi.
- Gunawan, H., Prasetyo, L. B., Mardiasuti, A., & Kartono, A. P. (2012). HABITAT MACAN TUTUL JAWA (*Panthera pardus melas* Cuvier 1809) DI LANSEKAP HUTAN TANAMAN PINUS. *Jurnal Penelitian Hutan Dan Konservasi Alam*, 9(1), 049–067. <https://doi.org/10.20886/jphka.2012.9.1.049-067>
- Gunawan, H., Sugiarti, & Wardhani, M. (2013). *Restorasi Ekosistem Gunung Merapi Pasca Erupsi* (Pertama, Vol. 1). Pusat Penelitian dan Pengembangan Konservasi dan Rehabilitasi - Badan Litbang Kehutanan Kementerian Kehutanan.
- Gunawan, Priyono Kartono, A., & Maryanto, I. (2008). Keanekaragaman Mamalia Besar Berdasarkan Ketinggian Tempat di Taman Nasional Gunung Ciremai. *Jurnal Biologi Indonesia*, 5(4), 321–334. <https://doi.org/10.47349/jbi/04052008/321>
- Guo, K., Yuan, S., Wang, H., Zhong, J., Wu, Y., Chen, W., Hu, C., & Chang, Q.

- (2021). Species distribution models for predicting the habitat suitability of Chinese fire-bellied newt *Cynops orientalis* under climate change. *Ecology and Evolution*, 11(15), 10147–10154. <https://doi.org/10.1002/ece3.7822>
- Haddad, N. M., Brudvig, L. A., Clobert, J., Davies, K. F., Gonzalez, A., Holt, R. D., Lovejoy, T. E., Sexton, J. O., Austin, M. P., Collins, C. D., Cook, W. M., Damschen, E. I., Ewers, R. M., Foster, B. L., Jenkins, C. N., King, A. J., Laurance, W. F., Levey, D. J., Margules, C. R., ... Townshend, J. R. (2015). Habitat fragmentation and its lasting impact on Earth's ecosystems. *Science Advances*, 1(2). <https://doi.org/10.1126/sciadv.1500052>
- Haidir, A. I., Albert, W. R., Margaret-RP, I., Ariyanto, T., Widodo, A. F., & Ardiantiono. (2017). *Panduan Pemantauan Populasi Harimau Sumatera* (p. viii+154).
- Hammer, Ø., Harper, D. A. T., & Ryan, P. D. (2001). PAST: Paleontological Statistics Software Package for Education and Data Analysis PAST: PALEONTOLOGICAL STATISTICS SOFTWARE PACKAGE FOR EDUCATION AND DATA ANALYSIS Even a cursory glance at the recent paleontological literature should convince anyone that. *Palaeontologia Electronica*, 4(1), 1–9.
- Hansen, M. C., Potapov, P. V., Okpa, C., Smith-Rodriguez, K., Stehman, S. V., Aguilar, R., & Tyukavina, A. (2017). Types and rates of forest disturbance in Brazilian Legal Amazon, 2000–2013. *Science Advances*, 3(4), e1601047. <https://doi.org/10.1126/sciadv.1601047>
- Hansen, M. F., Ellegaard, S., Moeller, M. M., Van Beest, F. M., Fuentes, A., Nawangsari, V. A., Groendahl, C., Frederiksen, M. L., Stelvig, M., Schmidt, N. M., Traeholt, C., & Dabelsteen, T. (2020). Comparative home range size and habitat selection in provisioned and non-provisioned long-tailed macaques (*Macaca fascicularis*) in Baluran National Park, East Java, Indonesia. *Contributions to Zoology*, 89(4), 393–411. <https://doi.org/10.1163/18759866-bja10006>
- Hanski, I., & Ovaskainen, O. (2003). Metapopulation theory for fragmented landscapes. *Theoretical Population Biology*, 64(1), 119–127. [https://doi.org/10.1016/S0040-5809\(03\)00022-4](https://doi.org/10.1016/S0040-5809(03)00022-4)
- Hariyono, E., & Liliyasi. (2018). The Characteristics of Volcanic Eruption in Indonesia. *Volcanoes - Geological and Geophysical Setting, Theoretical Aspects and Numerical Modeling, Applications to Industry and Their Impact on the Human Health*, July. <https://doi.org/10.5772/intechopen.71449>
- Hearn, A. J., Cushman, S. A., Ross, J., Goossens, B., Hunter, L. T. B., & Macdonald, D. W. (2018). Spatio-temporal ecology of sympatric felids on Borneo. Evidence for resource partitioning? *PLoS ONE*, 13(7), 1–25. <https://doi.org/10.1371/journal.pone.0200828>
- Hedwig, D., Kienast, I., Bonnet, M., Curran, B. K., Courage, A., Boesch, C., Kühl, H. S., & King, T. (2018). A camera trap assessment of the forest mammal

community within the transitional savannah-forest mosaic of the Batéké Plateau National Park, Gabon. *African Journal of Ecology*, 56(4), 777–790. <https://doi.org/10.1111/aje.12497>

Henríquez, W. I., Moreno, P. I., Alloway, B. V., & Villarosa, G. (2015). Vegetation and climate change, fire-regime shifts and volcanic disturbance in Chiloé Continental (43°S) during the last 10,000 years. *Quaternary Science Reviews*, 123, 158–167. <https://doi.org/10.1016/j.quascirev.2015.06.017>

Hirschmugl, M., Gallaun, H., Dees, M., Datta, P., Deutscher, J., Koutsias, N., & Schardt, M. (2017). Methods for Mapping Forest Disturbance and Degradation from Optical Earth Observation Data: a Review. *Current Forestry Reports*, 3(1), 32–45. <https://doi.org/10.1007/s40725-017-0047-2>

Hirzel, A. (2004). Biomapper 3 User's manual. *Biomapper, Lausanne*, 19. <http://scholar.google.com/scholar?hl=en&btnG=Search&q=intitle:Biomapper+3+user's+manual#0>

Hirzel, A. H., Hausser, J., Chessel, D., & Perrin, N. (2002). Ecological-Niche Factor Analysis: How to Compute Habitat-Suitability Maps without Absence Data? *Ecology*, 83(7), 2027. <https://doi.org/10.2307/3071784>

Hirzel, Alexandre H. (2006). *Presentation on evaluation of presence-only models with the continuous Boyce index and cross-validation. Presented at a workshop at the Castle of Rauischholzhausen.*

Hirzel, Alexandre H., & Lay, G. Le. (2008). Habitat suitability modelling and niche theory. *Journal of Applied Ecology*, 45(5), 1372–1381. <https://doi.org/10.1111/j.1365-2664.2008.01524.x>

Hirzel, Alexandre H., Posse, B., Oggier, P. A., Crettenand, Y., Glenz, C., & Arlettaz, R. (2004). Ecological requirements of reintroduced species and the implications for release policy: The case of the bearded vulture. *Journal of Applied Ecology*, 41(6), 1103–1116. <https://doi.org/10.1111/j.0021-8901.2004.00980.x>

Hirzel, Alexandre H., & Arlettaz, R. (2003). Modeling Habitat Suitability for Complex Species Distributions by Environmental-Distance Geometric Mean. *Environmental Management*, 32(5), 614–623. <https://doi.org/10.1007/s00267-003-0040-3>

Hirzel, Alexandre H., Hausser, J., & Perrin, N. (2002). Ecological-Niche Factor Analysis : How to Compute Habitat-Suitability Maps without Absence Data? *Ecology*, 83(2), 2027–2036. <https://doi.org/10.2307/3071784>

Hobbs, R. J., & Huenneke, L. F. (1992). Disturbance, Diversity, and Invasion: Implications for Conservation. *Conservation Biology*, 6(3), 324–337. <https://doi.org/10.1046/j.1523-1739.1992.06030324.x>

Hofmannová, L., Jirků, M., Mazánek, S., Gremlicová, D., & Kvičerová, J. (2020). *Eimeria melogale* n. sp. (Apicomplexa: Eimeriidae) in the Javan ferret-badger (*Melogale orientalis*). *European Journal of Protistology*, 73.

<https://doi.org/10.1016/j.ejop.2019.125668>

Hu, A., Wang, J., Sun, H., Niu, B., Si, G., Wang, J., Yeh, C. F., Zhu, X., Lu, X., Zhou, J., Yang, Y., Ren, M., Hu, Y., Dong, H., & Zhang, G. (2020). Mountain biodiversity and ecosystem functions: interplay between geology and contemporary environments. *ISME Journal*, 14(4), 931–944. <https://doi.org/10.1038/s41396-019-0574-x>

Huang, C., Goward, S. N., Masek, J. G., Gao, F., Vermote, E. F., Thomas, N., Schleeeweis, K., Kennedy, R. E., Zhu, Z., Eidenshink, J. C., & Townshend, J. R. G. (2009). Development of time series stacks of landsat images for reconstructing forest disturbance history. *International Journal of Digital Earth*, 2(3), 195–218. <https://doi.org/10.1080/17538940902801614>

Husodo, T., Febrianto, P., Megantara, E. N., Shanida, S. S., & Pujianto, M. P. (2019). Diversity of mammals in forest patches of cisokan, Cianjur, West Java, Indonesia. *Biodiversitas*, 20(5), 1281–1288. <https://doi.org/10.13057/biodiv/d200518>

Husodo, T., Shanida, S. S., Febrianto, P., Pujianto, M. P., & Megantara, E. N. (2019). Mammalian diversity in West Java, Indonesia. *Biodiversitas*, 20(7), 1846–1858. <https://doi.org/10.13057/biodiv/d200709>

I Ketut Ginantra, I. G. A. S. W. (2015). Selection of forage plant by Muntjak Deer (*Muntiacus muntjak*) in Bali Barat National Park. *International Journal of Advances Research in Biological Sciences*, 2(Desember 2015), 309–315.

Immerzeel, W. W., Lutz, A. F., Andrade, M., Bahl, A., Biemans, H., Bolch, T., Hyde, S., Brumby, S., Davies, B. J., Elmore, A. C., Emmer, A., Feng, M., Fernández, A., Haritashya, U., Kargel, J. S., Koppes, M., Kraaijenbrink, P. D. A., Kulkarni, A. V., Mayewski, P. A., ... Baillie, J. E. M. (2020). Importance and vulnerability of the world's water towers. *Nature*, 577(7790), 364–369. <https://doi.org/10.1038/s41586-019-1822-y>

Immordino, F., Barsanti, M., Candigliota, E., Cocito, S., Delbono, I., & Peirano, A. (2019). Application of Sentinel-2 multispectral data for habitat mapping of Pacific Islands: Palau Republic (Micronesia, Pacific Ocean). *Journal of Marine Science and Engineering*, 7(9). <https://doi.org/10.3390/jmse7090316>

Inayah, N., Sari, A. P., Farida, W. R., Nugroho, H. A., Handayani, T. H., Amalia, R. L. R., & Shidiq, F. (2020). Diet enrichment and the reproductive season of captive Sunda Porcupine (*Hystrix javanica* F. Cuvier 1823) . *BIO Web of Conferences*, 19(April), 00011. <https://doi.org/10.1051/bioconf/20201900011>

Irawan, N., Pudyatmoko, S., Yuwono, P. S. H., Tafrichan, M., Giordano, A. J., & Imron, M. A. (2020). The Importance of Unprotected Areas as Habitat for The Leopard Cat (*Prionailurus bengalensis javanensis* Desmarest, 1816) on Java, Indonesia. *Jurnal Ilmu Kehutanan*, 14(2), 198–212.

Ivan, J. S., Seglund, A. E., Truex, R. L., & Newkirk, E. S. (2018). Mammalian responses to changed forest conditions resulting from bark beetle outbreaks in the southern Rocky Mountains. *Ecosphere*, 9(8).

<https://doi.org/10.1002/ecs2.2369>

Jaeger, J. A. G. (2000). Landscape division, splitting index, and effective mesh size: New measures of landscape fragmentation. *Landscape Ecology*, 15(2), 115–130. <https://doi.org/10.1023/A:1008129329289>

Jenkins, S., Komorowski, J., Baxter, P. J., Spence, R., Picquout, A., & Lavigne, F. (2013). The Merapi 2010 eruption : An interdisciplinary impact assessment methodology for studying pyroclastic density current dynamics. *Journal of Volcanology and Geothermal Research*, 261, 316–329. <https://doi.org/10.1016/j.jvolgeores.2013.02.012>

Jenks, K. E., Chanteap, P., Damrongchainarong, K., Cutter, P., Cutter, P., Redford, T., Lynam, A. J., Howard, J. G., & Leimgruber, P. (2011). Using relative abundance indices from camera-trapping to test wildlife conservation hypotheses - an example from Khao Yai National Park, Thailand. *Tropical Conservation Science*, 4(2), 113–131. <https://doi.org/10.1177/194008291100400203>

Johann, F., Handschuh, M., Linderoth, P., Dormann, C. F., & Arnold, J. (2020). Adaptation of wild boar (*Sus scrofa*) activity in a human-dominated landscape. *BMC Ecology*, 20(1), 1–14. <https://doi.org/10.1186/s12898-019-0271-7>

Jose, S., C. J., A. C. J., Kumar, S., Varghese, A., & Madhu, G. (2011). Landscape Metric Modeling - a Technique for Forest Disturbance Assessment in Shendurney Wildlife Sanctuary. *Environmental Research, Engineering and Management*, 58(4), 34–41. <https://doi.org/10.5755/j01.erem.58.4.473>

Jothish, P. S. (2011). Diet of the Common Palm Civet *Paradoxurus hermaphroditus* in a rural habitat in Kerala , India , and its possible role in seed dispersal. *Small Carnivore Conservation*, 45(December 2011), 14–17.

Jotikapukkana, S., Berg, Å., & Pattanavibool, A. (2010). Wildlife and human use of buffer-zone areas in a wildlife sanctuary. *Wildlife Research*, 37(6), 466–474. <https://doi.org/10.1071/WR09132>

Jousset, P., Pallister, J., & Surono. (2013). The 2010 eruption of Merapi volcano. *Journal of Volcanology and Geothermal Research*, 261, 1–6. <https://doi.org/10.1016/j.jvolgeores.2013.05.008>

Julio Jeremia Sinabutar;Bandi Sasmito; Abdi Sukmono. (2020). Studi Cloud Masking Menggunakan Band Quality Assessment , Function Of Mask Dan Multi - Temporal Cloud Masking Pada Citra Landsat 8. *Geodesi Undip*, 9(3).

Kaky, E. (2020). Potential habitat suitability of Iraqi amphibians under climate change. *Biodiversitas*, 21(2), 731–742. <https://doi.org/10.13057/biodiv/d210240>

Kalle, R., Ramesh, T., Qureshi, Q., & Sankar, K. (2013). Predicting the distribution pattern of small carnivores in response to environmental factors in the Western Ghats. *PLoS ONE*, 8(11). <https://doi.org/10.1371/journal.pone.0079295>

Katayama, N., Amano, T., Naoe, S., Yamakita, T., Komatsu, I., Takagawa, S. I.,

- Sato, N., Ueta, M., & Miyashita, T. (2014). Landscape heterogeneity-biodiversity relationship: Effect of range size. *PLoS ONE*, 9(3), 1–8. <https://doi.org/10.1371/journal.pone.0093359>
- Kays, R., Parsons, A. W., Baker, M. C., Kalies, E. L., Forrester, T., Costello, R., Rota, C. T., Millspaugh, J. J., & McShea, W. J. (2017). Does hunting or hiking affect wildlife communities in protected areas? *Journal of Applied Ecology*, 54(1), 242–252. <https://doi.org/10.1111/1365-2664.12700>
- Keane, R. (2017). *Disturbance Regimes and the Historical Range and Variation in Terrestrial Ecosystems*. February 2016, 1–15. <https://doi.org/10.1016/B978-0-12-809633-8.02397-9>
- Kelfoun, K., Legros, F., & Gourgaud, A. (2000). A statistical study of trees damaged by the 22 November 1994 eruption of Merapi volcano (Java, Indonesia): Relationships between ash-cloud surges and block-and-ash flows. *Journal of Volcanology and Geothermal Research*, 100(1–4), 379–393. [https://doi.org/10.1016/S0377-0273\(00\)00147-5](https://doi.org/10.1016/S0377-0273(00)00147-5)
- Kelt, D. A., Heske, E. J., Lambin, X., Oli, M. K., Orrock, J. L., Ozgul, A., Pauli, J. N., Prugh, L. R., Sollmann, R., & Sommer, S. (2019). Advances in population ecology and species interactions in mammals. *Journal of Mammalogy*, 100(3), 965–1007. <https://doi.org/10.1093/jmammal/gyz017>
- Kennedy, R. E., Yang, Z., & Cohen, W. B. (2010). Detecting trends in forest disturbance and recovery using yearly Landsat time series: 1. LandTrendr - Temporal segmentation algorithms. *Remote Sensing of Environment*, 114(12), 2897–2910. <https://doi.org/10.1016/j.rse.2010.07.008>
- Khan, K. A., Khan, J. A., Ahmad, K., & Mohan, N. (2019). Winter food habits of the Common Palm Civet *Paradoxurus hermaphroditus* (Mammalia: Carnivora: Viverridae) in Patna Bird Sanctuary, India. *Journal of Threatened Taxa*, 11(12), 14490–14495. <https://doi.org/10.11609/jott.4165.11.12.14490-14495>
- Kharoufeh, J. P., & Goulias, K. G. (2002). Nonparametric identification of daily activity durations using kernel density estimators. *Transportation Research Part B: Methodological*, 36(1), 59–82. [https://doi.org/10.1016/S0191-2615\(00\)00038-2](https://doi.org/10.1016/S0191-2615(00)00038-2)
- Khazan, E. S., Arias, M. A., & Fernández Porras, L. M. (2016). Large mammal community composition and relative abundance under a disturbance gradient in Northeast Costa Rica. *Revista de Biología Tropical*, 64(4), 1553–1564. <https://doi.org/10.15517/rbt.v64i4.22734>
- Kie, J. G., Bowyer, R. T., Nicholson, M. C., & Boroski, B. B. (2002). *Landscape Heterogeneity at Differing Scales : Effects on Spatial Distribution of Mule Deer* Eric R . Loft Published by: Wiley Stable URL : <http://www.jstor.org/stable/2680033> REFERENCES Linked references are available on JSTOR for this article : You may n. 83(2), 530–544.
- Koehnken, L., Rintoul, M. S., Goichot, M., Tickner, D., Loftus, A. C., & Acreman, M. C. (2020). Impacts of riverine sand mining on freshwater ecosystems: A

- review of the scientific evidence and guidance for future research. *River Research and Applications*, 36(3), 362–370. <https://doi.org/10.1002/rra.3586>
- Komers, P. E. (1997). Behavioural plasticity in variable environments. *Canadian Journal of Zoology*, 75(2), 161–169. <https://doi.org/10.1139/z97-023>
- Kool, K. M. (1993). The diet and feeding behavior of the silver leaf monkey (*Trachypithecus auratus sondaicus*) in Indonesia. *International Journal of Primatology*, 14(5), 667–700. <https://doi.org/10.1007/BF02192186>
- Körner, C., Urbach, D., & Paulsen, J. (2021). Mountain definitions and their consequences. *Alpine Botany*, 131(2), 213–217. <https://doi.org/10.1007/s00035-021-00265-8>
- Kuswanda, W., & Setyawati, T. (2016). Preferensi Habitat Trenggiling (*Manis Javanica* Desmarest, 1822) di Sekitar Suaka Margasatwa Siranggas, Sumatera Utara. *Jurnal Penelitian Hutan Dan Konservasi Alam*, 13(1), 43–56. <https://doi.org/10.20886/jphka.2016.13.1.43-56>
- Kywe, T. Z. (2012). *Habitat Suitability Modeling for Tiger (Panthera tigris) in the Hukaung Valley Tiger Reserve , Northern Myanmar.*
- Lacher, T. E., Davidson, A. D., Fleming, T. H., Gómez-Ruiz, E. P., McCracken, G. F., Owen-Smith, N., Peres, C. A., & Vander Wall, S. B. (2019). The functional roles of mammals in ecosystems. *Journal of Mammalogy*, 100(3), 942–964. <https://doi.org/10.1093/jmammal/gyy183>
- Landis, J. R., & Koch, G. G. (1977). The Measurement of Observer Agreement for Categorical Data Data for Categorical of Observer Agreement The Measurement. *Biometrics*, 33(1), 159–174. <https://doi.org/10.2307/2529310>
- Larson, C. L., Reed, S. E., Merenlender, A. M., & Crooks, K. R. (2016). Effects of recreation on animals revealed as widespread through a global systematic review. *PLoS ONE*, 11(12), 1–21. <https://doi.org/10.1371/journal.pone.0167259>
- Lashley, M. A., Cove, M. V., Chitwood, M. C., Penido, G., Gardner, B., Deperno, C. S., & Moorman, C. E. (2018). Estimating wildlife activity curves: Comparison of methods and sample size. *Scientific Reports*, 8(1), 1–11. <https://doi.org/10.1038/s41598-018-22638-6>
- Lavigne, F., Thouret, J. C., Voight, B., Suwa, H., & Sumaryono, A. (2000). Lahars at Merapi volcano, Central Java: An overview. *Journal of Volcanology and Geothermal Research*, 100(1–4), 423–456. [https://doi.org/10.1016/S0377-0273\(00\)00150-5](https://doi.org/10.1016/S0377-0273(00)00150-5)
- Lavigne, Franck. (1999). Lahar hazard micro-zonation and risk assessment in Yogyakarta city, Indonesia. *GeoJournal*, 49(1–4), 173–183. <https://doi.org/10.1023/A>
- Lee, H. J., Ha, J. W., Park, S. J., Kim, W. Y., Cha, J. Y., Park, J. Y., Choi, S. S., Chung, C. U., & Oh, H. S. (2019). A study on the analysis of mammals' activity patterns and the effect of human hiker interference using camera

- trapping. *Journal of Asia-Pacific Biodiversity*, 12(1), 57–62.
<https://doi.org/10.1016/j.japb.2018.11.009>
- Lee, S. M., & Lee, E. J. (2019). Diet of the wild boar (*Sus scrofa*): Implications for management in forest-agricultural and urban environments in South Korea. *PeerJ*, 2019(10), 1–16. <https://doi.org/10.7717/peerj.7835>
- Lees, C. M., & Neall, V. E. (1993). Vegetation response to volcanic eruptions on Egmont volcano, New Zealand, during the last 1500 years. *Journal of the Royal Society of New Zealand*, 23(2), 91–127.
<https://doi.org/10.1080/03036758.1993.10721220>
- Legese, K., Bekele, A., & Kiros, S. (2019). A Survey of large and medium-sized mammals in Wabe forest fragments, Gurage zone, Ethiopia. *International Journal of Avian & Wildlife Biology*, 4(2), 32–38.
<https://doi.org/10.15406/ijawb.2019.04.00149>
- Leroux, L., Congedo, L., Bellón, B., Gaetano, R., & Bégué, A. (2018). Land Cover Mapping Using Sentinel-2 Images and the Semi-Automatic Classification Plugin: A Northern Burkina Faso Case Study. In *QGIS and Applications in Agriculture and Forest* (Vol. 2, pp. 119–151). John Wiley & Sons, Inc.
<https://doi.org/10.1002/9781119457107.ch4>
- Li, C., Connor, T., Bai, W., Yang, H., Zhang, J., Qi, D., & Zhou, C. (2019). Dynamics of the giant panda habitat suitability in response to changing anthropogenic disturbance in the Liangshan Mountains. *Biological Conservation*, 237(March), 445–455.
<https://doi.org/10.1016/j.biocon.2019.07.018>
- Lindsell, J. A., Lee, D. C., Powell, V. J., & Gemita, E. (2015). Availability of large seed-dispersers for restoration of degraded tropical forest. *Tropical Conservation Science*, 8(1), 17–27.
<https://doi.org/10.1177/194008291500800104>
- Linkie, M., & Ridout, M. S. (2011). Assessing tiger-prey interactions in Sumatran rainforests. *Journal of Zoology*, 284(3), 224–229.
<https://doi.org/10.1111/j.1469-7998.2011.00801.x>
- Linkie, Matthew, Dinata, Y., Nugroho, A., & Haidir, I. A. (2007). Estimating occupancy of a data deficient mammalian species living in tropical rainforests: Sun bears in the Kerinci Seblat region, Sumatra. *Biological Conservation*, 137(1), 20–27. <https://doi.org/10.1016/j.biocon.2007.01.016>
- Liu, C., White, M., Newell, G., & Griffioen, P. (2013). Species distribution modelling for conservation planning in Victoria, Australia. *Ecological Modelling*, 249(December 2011), 68–74.
<https://doi.org/10.1016/j.ecolmodel.2012.07.003>
- Liu, Y., Xie, M., Liu, J., Wang, H., & Chen, B. (2022). Vegetation Disturbance and Recovery Dynamics of Different. *Land*, 11(856), 1–20.
- Lomolino, M. V., & Perault, D. R. (2007). Body size variation of mammals in a

- fragmented, temperate rainforest. *Conservation Biology*, 21(4), 1059–1069. <https://doi.org/10.1111/j.1523-1739.2007.00727.x>
- Looijen, R. C., & Van Andel, J. (1999). Ecological communities: Conceptual problems and definitions. *Perspectives in Plant Ecology, Evolution and Systematics*, 2(2), 210–222. <https://doi.org/10.1078/1433-8319-00071>
- Łowicki, D. (2018). *Landscape metrics as an indicators of landscape value Landscape metrics as an indicators of landscape value. August.*
- Lubis, M. I. (2019). *Protokol survei okupansi harimau sumatera. November 2018.*
- MacKenzie, D. I., Nichols, J. D., Lachman, G. B., Droege, S., Royle, A. A., & Langtimm, C. A. (2002). Estimating site occupancy rates when detection probabilities are less than one. *Ecology*, 83(8), 2248–2255. [https://doi.org/10.1890/0012-9658\(2002\)083\[2248:ESORWD\]2.0.CO;2](https://doi.org/10.1890/0012-9658(2002)083[2248:ESORWD]2.0.CO;2)
- Mackenzie, D. I., Nichols, J. D., Lachman, G. B., Droege, S., Royle, J. A., & Langtimm, C. A. (2002). Estimating Site Occupancy Rate When Detection Probabilities Are Less Than One. *Ecology*, 9658(2). [https://doi.org/10.1890/0012-9658\(2002\)083](https://doi.org/10.1890/0012-9658(2002)083)
- MacKenzie, D. I., Nichols, J. D., Royle, J. A., Pollock, K. H., Bailey, L. L., & Hines, J. E. (2006). Occupancy Estimation and Modeling. Inferring patterns and dynamics of species occurrence. In N. Maragiotogio (Ed.), *Wildlife Biology* (Vol. 12, Issue 4). Academic Press Elsevier. [https://doi.org/10.2981/0909-6396\(2006\)12\[450:oeamip\]2.0.co;2](https://doi.org/10.2981/0909-6396(2006)12[450:oeamip]2.0.co;2)
- MacKenzie, D., Nichols, J. D., Hines, J. E., Knutson, M. G., & Franklin, A. B. (2003). Etimating Sita Occupancy, Colonization, and Local Extinction When A Species Is Detected Imperfectly. *Ecology*, 84(8), 2200–2207. <https://doi.org/10.1002/cpa.3160360305>
- Maharadatunkamsi, Phadmacanty, R., Sulistyadi, E., Inayah, N., Achmadi, A. S., Dwijayatanti, E., Wartika Rosa Farida, Wirdateti, Wiantoro, S., Nugraha, R. T. P., Fitriana, Y. S., & Kurnianingsih. (2020). *Status konservasi dan peran mamalia di Pulau Jawa* (Issue December). LIPI Press.
- Mahmood, T., & Adil, A. (2017). Diet composition of small Indian mongoose (*Herpestes javanicus*) varies seasonally in its native range. *Animal Biology*, 67(1), 69–80. <https://doi.org/10.1163/15707563-00002516>
- Malawani, Mukhamad N., Lavigne, F., Gomez, C., Mutaqin, B. W., & Hadmoko, D. S. (2021). Review of local and global impacts of volcanic eruptions and disaster management practices: The Indonesian example. *Geosciences (Switzerland)*, 11(3), 1–18. <https://doi.org/10.3390/geosciences11030109>
- Malawani, Mukhamad Ngainul, Mardiatno, D., & Haryono, E. (2020). Anthropogenic signatures in the context of landscape evolution: Evidence from citanduy Watershed, Java, Indonesia. *ASEAN Journal on Science and Technology for Development*, 37(1), 7–14. <https://doi.org/10.29037/AJSTD.600>

- Malinverni, E. S. (2011). Change detection applying landscape metrics on high remote sensing images. *Photogrammetric Engineering and Remote Sensing*, 77(10), 1045–1056. <https://doi.org/10.14358/PERS.77.10.1045>
- Manshur, A. A. P. K. dan B. M. (2015). Karakteristik habitat Trenggiling Jawa (*Manis javanica*) di Taman Nasional Gunung Halimun Salak. *Media Konservasi*, 20(1), 77–83.
- Marhaento, H., & Faida, L. R. W. (2016). Risiko Kepunahan Keanekaragaman Hayati di Taman Nasional Gunung Merapi: Tinjauan Spasial. *Jurnal Ilmu Kehutanan*, 9(2), 75. <https://doi.org/10.22146/jik.10189>
- Marhaento, H., & Kurnia, A. N. (2015). Refleksi 5 Tahun Paska Erupsi Gunung Merapi 2010: Menaksir Kerugian Ekologis Di Kawasan Taman Nasional Gunung Merapi. *Geoplanning: Journal of Geomatics and Planning*, 2(2), 69–81. <https://doi.org/10.14710/geoplanning.2.2.69-81>
- Martinoli, A., Preatoni, D., Galanti, V., Codipietro, P., Kilewo, M., Fernandes, C. A. R., Wauters, L. A., & Tosi, G. (2006). Species richness and habitat use of small carnivores in the Arusha National Park (Tanzania). *Biodiversity and Conservation*, 15(5), 1729–1744. <https://doi.org/10.1007/s10531-004-5020-2>
- Maryanto, I., Suyanto, A., Yoneda, M., Maharadatunkamsi, & Sugardjito, J. (2019). *Checklist of The Mammals of Indonesia* (3rd ed., Issue Desember 2019). LIPI.
- Matsushita, B., Yang, W., Chen, J., Onda, Y., & Qiu, G. (2007). Sensitivity of the Enhanced Vegetation Index (EVI) and Normalized Difference Vegetation Index (NDVI) to Topographic Effects: A Case Study in High-Density Cypress Forest. *Sensors*, 2636–2651.
- Maulana, F. A., Santoso, N., & Rahman, D. A. (2022). Habitat Preference and Habitat Suitability of Cuscus in the Work Area of PT Wijaya Sentosa, Teluk Wondama Regency. *Jurnal Manajemen Hutan Tropika (Journal of Tropical Forest Management)*, 28(1), 49–59. <https://doi.org/10.7226/jtfm.28.1.49>
- Mazzolari, A. C., Millán, E. N., Bringa, E. M., & Vázquez, D. P. (2020). Modeling habitat suitability and spread dynamics of two invasive rose species in protected areas of Mendoza, Argentina. *Ecological Complexity*, 44(August), 100868. <https://doi.org/10.1016/j.ecocom.2020.100868>
- McCullough, D. R., Pei, K. C. J., & Wang, Y. (2000). Home Range, Activity Patterns, and Habitat Relations of Reeves' Muntjacs in Taiwan. *The Journal of Wildlife Management*, 64(2), 430. <https://doi.org/10.2307/3803241>
- Mcfeeters, S. K. (1996). The use of the Normalized Difference Water Index (NDWI) in the delineation of open water features. *International Journal of Remote Sensing*, 17(7), 1425–1432. <https://doi.org/10.1080/01431169608948714>
- McGarigal, K. (2002). FRAGSTATS: Spatial Pattern Analysis Program for Categorical Maps. *Analysis*, 3.3(2007), The following citation is recommended by the autho. [https://doi.org/Cited By \(since 1996\) 586](https://doi.org/Cited By (since 1996) 586) rExport

Date 3 May 2012

McGarigal, K., Cushman, S. A., Neel, M. C., & Ene, E. (2002). FRAGSTATS: Spatial Pattern Analysis Program for Categorical Maps. *Analysis*, 3.3(2007), The following citation is recommended by the autho. <http://www.umass.edu/landeco/research/fragstats/fragstats.html>

McGarigal, K., Wan, H. Y., Zeller, K. A., Timm, B. C., & Cushman, S. A. (2016). Multi-scale habitat selection modeling: a review and outlook. *Landscape Ecology*, 31(6), 1161–1175. <https://doi.org/10.1007/s10980-016-0374-x>

McKenna, P., Phinn, S., & Erskine, P. D. (2018). Fire severity and vegetation recovery on mine site rehabilitation using worldview-3 imagery. *Fire*, 1(2), 1–28. <https://doi.org/10.3390/fire1020022>

Meredith, M., & Ridout, M. (2016a). *Package ‘overlap’. Estimates of Coefficient of Overlapping for Animal Activity Patterns*. 18.

Meredith, M., & Ridout, M. (2021). *Overview of the overlap package*. <https://cran.r-project.org/web/packages/overlap/overlap.pdf>

Meredith, M., & Ridout, M. S. (2016b). *Overview of the overlap package*. 9. <https://cran.microsoft.com/snapshot/2016-08-05/web/packages/overlap/vignettes/overlap.pdf>

Mikulka, O., Zeman, J., Drimaj, J., Plhal, R., Adamec, Z., Kamler, J., & Heroldová, M. (2018). The importance of natural food in wild boar (*Sus scrofa*) diet during autumn and winter. *Folia Zoologica*, 67(3–4), 165–172. <https://doi.org/10.25225/fozo.v67.i3-4.a3.2018>

Mohamed, A., Ross, J., Hearn, A. J., Cheyne, S. M., Alfred, R., Bernard, H., Boonratana, R., Samejima, H., Heydon, M., Augeri, D. M., Brodie, J. F., Giordano, A., Fredriksson, G., Hall, J., Loken, B., Nakashima, Y., Pilgrim, J. D., Rustam, Semiadi, G., ... Wilting, A. (2016). Predicted distribution of the leopard cat *Prionailurus bengalensis* (Mammalia: Carnivora: Felidae) on Borneo. *Raffles Bulletin of Zoology*, 2016(May), 180–185.

Mohammadi, A., & Fatemizadeh, F. (2021). Quantifying Landscape Degradation Following Construction of a Highway Using Landscape Metrics in Southern Iran. *Frontiers in Ecology and Evolution*, 9(December). <https://doi.org/10.3389/fevo.2021.721313>

Mohd-Azlan, J., Messerli, Z., & Yi, M. C. K. (2017). Habitat occupancy and activity patterns of the long-tailed macaques and pig-tailed macaques in Sarawak, Borneo. *Malayan Nature Journal*, 69(June 2018), 277–285.

Montgomery, R. A., & Roloff, G. J. (2013). Habitat Selection. *Encyclopedia of Biodiversity: Second Edition*, 4, 59–69. <https://doi.org/10.1016/B978-0-12-384719-5.00384-1>

Moral, R., & Grishin, S. Y. (1999). *Volcanic Disturbances and Ecosystem Recovery* (Lawrence R. Walker (Ed.)). Elsevier.

- Morrison, M. L. (2002). *Wildlife Restoration Techniques for Habitat Analysis and Animal Monitoring* (P. R. Krausman (Ed.)). Island Press.
- Mukherjee, S., Singh, P., Silva, A. P., Ri, C., Kakati, K., Borah, B., Tapi, T., Kadur, S., Choudhary, P., Srikant, S., Nadig, S., Navya, R., Björklund, M., & Ramakrishnan, U. (2019). Activity patterns of the small and medium felid (Mammalia: Carnivora: Felidae) guild in northeastern India. *Journal of Threatened Taxa*, 11(4), 13432–13447. <https://doi.org/10.11609/jott.4662.11.4.13432-13447>
- Murphy, A., Kelly, M. J., Karpanty, S. M., Andrianjakarivelo, V., & Farris, Z. J. (2019). Using camera traps to investigate spatial co-occurrence between exotic predators and native prey species: a case study from northeastern Madagascar. *Journal of Zoology*, 307(4), 264–273. <https://doi.org/10.1111/jzo.12645>
- Nagarkoti, A., & Thapa, T. (2007). Food habits of barking deer (*Muntiacus muntjac*) in the middle hills of Nepal. *Hystrix, the Italian Journal of Mammalogy*, 18(1), 77–82. <http://www.italian-journal-of-mammalogy.it/article/download/4393/4329>
- Nakabayashi, M., Kanamori, T., Matsukawa, A., Tangah, J., Tuuga, A., Malim, P. T., Bernard, H., Ahmad, A. H., Matsuda, I., & Hanya, G. (2021). Temporal activity patterns suggesting niche partitioning of sympatric carnivores in Borneo, Malaysia. *Scientific Reports*, 11(1), 1–12. <https://doi.org/10.1038/s41598-021-99341-6>
- Nakashima, Y., & Sukor, J. A. (2010). Importance of common palm civets (*Paradoxurus hermaphroditus*) as a long-distance disperser for large-seeded plants in degraded forests. *Tropics*, 18(4), 221–229. <https://doi.org/10.3759/tropics.18.221>
- Naqibzadeh, A., Sarhangzadeh, J., Sotoudeh, A., Mashkur, M., & Thomalsky, J. (2021). Habitat Suitability Modeling for Wildlife Management Objectives by Using Maximum Entropy Method. *Journal of Human, Earth, and Future*, 2(4), 371–381. <https://doi.org/10.28991/hef-2021-02-04-05>
- Nellemann, C., & Fry, G. (1995). Quantitative Analysis of Terrain Ruggedness in Reindeer Winter Grounds. *ARCTIC*, 48(2), 172–176.
- Newhall, C. G., Bronto, S., Alloway, B., Banks, N. G., Bahar, I., Del Marmol, M. A., Hadisantono, R. D., Holcomb, R. T., McGeehin, J., Miksic, J. N., Rubin, M., Sayudi, S. D., Sukhyar, R., Andreastuti, S., Tilling, R. I., Torley, R., Trimble, D., & Wirakusumah, A. D. (2000). 10,000 Years of explosive eruptions of Merapi Volcano, Central Java: Archaeological and modern implications. *Journal of Volcanology and Geothermal Research*, 100(1–4), 9–50. [https://doi.org/10.1016/S0377-0273\(00\)00132-3](https://doi.org/10.1016/S0377-0273(00)00132-3)
- Niedballa, Jurgen, Sollmann, R., Courtiol, A., & Wilting, A. (2016). Application; camtrapR : an R package for efficient camera trap data management. *Methods in Ecology and Evolution*, i, 1457–1462. <https://doi.org/10.1111/2041-210X.12600>

- Niedballa, Jürgen, Sollmann, R., Courtiol, A., & Wilting, A. (2016). camtrapR: an R package for efficient camera trap data management. *Methods in Ecology and Evolution*, 7(12), 1457–1462. <https://doi.org/10.1111/2041-210X.12600>
- Niedballa, Jürgen, Sollmann, R., Mohamed, A. Bin, Bender, J., & Wilting, A. (2015). Defining habitat covariates in camera-trap based occupancy studies. *Scientific Reports*, 5, 1–10. <https://doi.org/10.1038/srep17041>
- Nijboer, J., Clauss, M., Olsthoorn, M., Noordermeer, W., Huisman, T. R., Verheyen, C., Van Der Kuilen, J., Streich, W. J., & Beynen, A. C. (2006). Effect of diet on the feces quality in javan langur (*Trachypithecus auratus auratus*). *Journal of Zoo and Wildlife Medicine*, 37(3), 366–372. <https://doi.org/10.1638/05-113.1>
- Nijman, V., Spaan, D., Rode-margono, E. J., Roberts, P. D., & I Nekarlis, K. A. (2014). Trade in Common Palm Civet *Paradoxurus hermaphroditus* in Javan and Balinese markets, Indonesia. *Small Carnivore Conservation*, 51(December), 11–17.
- Noroozi, J., Talebi, A., Doostmohammadi, M., Rumpf, S. B., Linder, H. P., & Schneeweiss, G. M. (2018). Hotspots within a global biodiversity hotspot-areas of endemism are associated with high mountain ranges. *Scientific Reports*, 8(1), 1–10. <https://doi.org/10.1038/s41598-018-28504-9>
- O'brien, T. G. (2008). On the use of automated cameras to estimate species richness for large- and medium-sized rainforest mammals. *Animal Conservation*, 11(3), 179–181. <https://doi.org/10.1111/j.1469-1795.2008.00178.x>
- O'Brien, T. G., Kinnaird, M. F., & Wibisono, H. T. (2003). Crouching tigers, hidden prey: Sumatran tiger and prey populations in a tropical forest landscape. *Animal Conservation*, 6(2), 131–139. <https://doi.org/10.1017/S1367943003003172>
- Oberosler, V., Groff, C., Iemma, A., Pedrini, P., & Rovero, F. (2017). The influence of human disturbance on occupancy and activity patterns of mammals in the Italian Alps from systematic camera trapping. *Mammalian Biology*, 87(October), 50–61. <https://doi.org/10.1016/j.mambio.2017.05.005>
- Obunga, G., Siljander, M., Maghenda, M., & Pellikka, P. K. E. (2022). Habitat suitability modelling to improve conservation status of two critically endangered endemic Afromontane forest bird species in Taita Hills, Kenya. *Journal for Nature Conservation*, 65(December 2021), 126111. <https://doi.org/10.1016/j.jnc.2021.126111>
- Oettel, J., & Lapin, K. (2021). Linking forest management and biodiversity indicators to strengthen sustainable forest management in Europe. *Ecological Indicators*, 122, 107275. <https://doi.org/10.1016/j.ecolind.2020.107275>
- Ogurtsov, S. S., Zheltukhin, A. S., & Kotlov, I. P. (2018). Daily activity patterns of large and medium-sized mammals based on camera traps data in the central forest nature reserve, Valdai Upland, Russia. *Nature Conservation Research*, 3(2), 68–88. <https://doi.org/10.24189/ncr.2018.031>

- Ohashi, H., Saito, M., Horie, R., Tsunoda, H., Noba, H., Ishii, H., Kuwabara, T., Hiroshige, Y., Koike, S., Hoshino, Y., Toda, H., & Kaji, K. (2013). Differences in the activity pattern of the wild boar *Sus scrofa* related to human disturbance. *European Journal of Wildlife Research*, 59(2), 167–177. <https://doi.org/10.1007/s10344-012-0661-z>
- Opdam, P. (1991). Metapopulation theory and habitat fragmentation: a review of holarctic breeding bird studies. *Landscape Ecology*, 5(2), 93–106. <https://doi.org/10.1007/BF00124663>
- Ouboter, D. A., Kadosoe, V. S., & Ouboter, P. E. (2021). Impact of ecotourism on abundance, diversity and activity patterns of medium-large terrestrial mammals at Brownsberg Nature Park, Suriname. *PLoS ONE*, 16(6 June), 1–22. <https://doi.org/10.1371/journal.pone.0250390>
- Paga, B., Pudyatmoko, S., Wijayanti, L. R., Yuda, P., & Sulaksono, N. (2022). The habitat suitability of Timor friarbird (*Philemon inornatus*) in Western Timor Island, Indonesia. *Biodiversitas*, 23(2), 703–713. <https://doi.org/10.13057/biodiv/d230215>
- Paolino, R. M., Versiani, N. F., Pasqualotto, N., Rodrigues, T. F., Krepschi, V. G., & Chiarello, A. G. (2016). Buffer zone use by mammals in a Cerrado Protected Area. *Biota Neotropica*, 16(2). <https://doi.org/10.1590/1676-0611-BN-2014-0117>
- Pardo, L. E., Campbell, M. J., Edwards, W., Clements, G. R., & Laurance, W. F. (2018). Terrestrial mammal responses to oil palm dominated landscapes in Colombia. *PLoS ONE*, 13(5), 1–22. <https://doi.org/10.1371/journal.pone.0197539>
- Pardo, L. E., Edwards, W., Campbell, M. J., Gómez-Valencia, B., Clements, G. R., & Laurance, W. F. (2021). Effects of oil palm and human presence on activity patterns of terrestrial mammals in the Colombian Llanos. *Mammalian Biology*, 101(6), 775–789. <https://doi.org/10.1007/s42991-021-00153-y>
- Parsons, A. W., Bland, C., Forrester, T., Baker-Whatton, M. C., Schuttler, S. G., McShea, W. J., Costello, R., & Kays, R. (2016). The ecological impact of humans and dogs on wildlife in protected areas in eastern North America. *Biological Conservation*, 203, 75–88. <https://doi.org/10.1016/j.biocon.2016.09.001>
- Paschoal, A. M. O., Massara, R. L., Bailey, L. L., Doherty, P. F., Santos, P. M., Paglia, A. P., Hirsch, A., & Chiarello, A. G. (2018). Anthropogenic Disturbances Drive Domestic Dog Use of Atlantic Forest Protected Areas. *Tropical Conservation Science*, 11(6627). <https://doi.org/10.1177/1940082918789833>
- Pavoine, S., Bonsall, M. B., Davies, T. J., & Masi, S. (2019). Mammal extinctions and the increasing isolation of humans on the tree of life. *Ecology and Evolution*, 9(3), 914–924. <https://doi.org/10.1002/ece3.4630>
- Perry, M. C. (1970). *Studies of deer-related dog activity in Virginia. June*.

- Peterson, B. G., Carl, P., Boudt, K., Bennett, R., Ulrich, J., Zivot, E., Cornilly, D., Hung, E., Lestel, M., Balkissoon, K., Wuertz, D., Christidis, A. A., Martin, R. D., Zhou, Z., & Shea, J. M. (2020). *Performance Analytics Documentation; R package version 2.0.4*. 240.
- Petren, K. (2001). Habitat and Niche, Concept of. *Encyclopedia of Biodiversity: Second Edition*, 3, 39–49. <https://doi.org/10.1016/B978-0-12-384719-5.00069-1>
- Pflugmacher, D., Rabe, A., Peters, M., & Hostert, P. (2019). Mapping pan-European land cover using Landsat spectral-temporal metrics and the European LUCAS survey. *Remote Sensing of Environment*, 221(July 2018), 583–595. <https://doi.org/10.1016/j.rse.2018.12.001>
- Pineda-Munoz, S., Evans, A. R., & Alroy, J. (2016). The relationship between diet and body mass in terrestrial mammals. *Paleobiology*, 42(4), 659–669. <https://doi.org/10.1017/pab.2016.6>
- Pitchaiah, P. S. (2017). Impacts of Sand Mining on Environment—A Review. *International Journal of Geoinformatics and Geological Science*, 4(1), 1–6. <https://doi.org/10.14445/23939206/ijggs-v4i1p101>
- PLA-ARD, M., HOONHEANG, W., KAEWDEE, B., PANGANTA, T., CHARASPET, K., KHOIESRI, N., PAANSRI, P., KANKA, P., CHANACHAI, Y., THONGBANTHUM, J., BANGTHONG, P., & Sukmasuang, R. (2021). Abundance, diversity and daily activity of terrestrial mammal and bird species in disturbed and undisturbed limestone habitats using camera trapping, Central Thailand. *Biodiversitas Journal of Biological Diversity*, 22(8), 3620–3631. <https://doi.org/10.13057/biodiv/d220864>
- Pleniou, M., & Koutsias, N. (2013). Sensitivity of spectral reflectance values to different burn and vegetation ratios: A multi-scale approach applied in a fire affected area. *ISPRS Journal of Photogrammetry and Remote Sensing*, 79, 199–210. <https://doi.org/10.1016/j.isprsjprs.2013.02.016>
- Pokharel, K., & Chalise, M. (1970). Status and Distribution Pattern of Barking Deer (*Muntiacus muntjak* Zimmermann) in Hemja VDC, Kaski. *Nepal Journal of Science and Technology*, 11(January 2010), 223–228. <https://doi.org/10.3126/njst.v11i0.4149>
- Porras, L. P., Vazquez, L. B., Sarmiento-Aguilar, R., Douterlungne, D., & Valenzuela-Galván, D. (2016). Influence of human activities on some medium and large-sized mammals' richness and abundance in the Lacandon Rainforest. *Journal for Nature Conservation*, 34, 75–81. <https://doi.org/10.1016/j.jnc.2016.09.001>
- Presley, S. J., Cisneros, L. M., Klingbeil, B. T., & Willig, M. R. (2019). Landscape ecology of mammals. *Journal of Mammalogy*, 100(3), 1044–1068. <https://doi.org/10.1093/jmammal/gyy169>
- Prugh, L. R., Hodges, K. E., Sinclair, A. R. E., & Brashares, J. S. (2008). Effect of habitat area and isolation on fragmented animal populations. *Proceedings of*

the National Academy of Sciences of the United States of America, 105(52), 20770–20775. <https://doi.org/10.1073/pnas.0806080105>

- Pudyatmoko, S. (2017). Free-ranging livestock influence species richness, occupancy, and daily behaviour of wild mammalian species in Baluran National Park, Indonesia. *Mammalian Biology*, 86, 33–41. <https://doi.org/10.1016/j.mambio.2017.04.001>
- Queiroz, M. B., & Young, R. J. (2018). The different physical and behavioural characteristics of zoo mammals that influence their response to visitors. *Animals*, 8(8). <https://doi.org/10.3390/ani8080139>
- Rahayu, R., Ariyanto, D. P., Komariah, K., Hartati, S., Syamsiyah, J., & Dewi, W. S. (2014). Dampak Erupsi Gunung Merapi Terhadap Lahan Dan Upaya-Upaya Pemulihannya. *Caraka Tani: Journal of Sustainable Agriculture*, 29(1), 61. <https://doi.org/10.20961/carakatani.v29i1.13320>
- Rahbek, C., Borregaard, M. K., Colwell, R. K., Dalgaard, B., Holt, B. G., Morueta-Holme, N., Nogues-Bravo, D., Whittaker, R. J., & Fjelds , J. (2019). Humboldt’s enigma: What causes global patterns of mountain biodiversity? *Science*, 365(6458), 1108–1113. <https://doi.org/10.1126/science.aax0149>
- Rahman, D. A., & Mardiasuti, A. (2021). Factors influencing the activity patterns of two deer species and their response to predators in two protected areas in indonesia. *Therya*, 12(1), 149–161. <https://doi.org/10.12933/therya-21-1087>
- Rajaratnam, R., Sunquist, M., Rajaratnam, L., & Ambu, L. (2007). Diet and habitat selection of the leopard cat (*Prionailurus bengalensis borneoensis*) in an agricultural landscape in Sabah, Malaysian Borneo. *Journal of Tropical Ecology*, 23(2), 209–217. <https://doi.org/10.1017/S0266467406003841>
- Ramesh, T., & Downs, C. T. (2015a). Impact of land use on occupancy and abundance of terrestrial mammals in the Drakensberg Midlands, South Africa. *Journal for Nature Conservation*, 23, 9–18. <https://doi.org/10.1016/j.jnc.2014.12.001>
- Ramesh, T., & Downs, C. T. (2015b). Impact of land use on occupancy and abundance of terrestrial mammals in the Drakensberg Midlands , South Africa. *Journal for Nature Conservation*, 23, 9–18. <https://doi.org/10.1016/j.jnc.2014.12.001>
- Ratdomopurbo, A., Beauducel, F., Subandriyo, J., Agung Nandaka, I. G. M., Newhall, C. G., Suharna, Sayudi, D. S., Suparwaka, H., & Sunarta. (2013). Overview of the 2006 eruption of Mt. Merapi. *Journal of Volcanology and Geothermal Research*, 261, 87–97. <https://doi.org/10.1016/j.jvolgeores.2013.03.019>
- Ratih, S., Awanda, H. N., Saputra, A. C., & Ashari, A. (2019). Volcanic Springs, An Alternative Emergency Water Resource to Support Sustainable Disaster Management in Southern Flank of Merapi Volcano. *IOP Conference Series: Earth and Environmental Science*, 271(1). <https://doi.org/10.1088/1755-1315/271/1/012012>

- Referowska-chodak, E. (2019). Pressures and Threats to Nature Related to Human Activities in European Urban and Suburban Forests. *Forest*, 10(765). <https://doi.org/10.3390/f10090765>
- Reilly, M., & Adams, S. (2016). Recreation Ecology: The impact of hikers on wildlife. In J. Kelly (Ed.), *The Ardeid* (Issue January, pp. 10–12). Audubon Canyon Ranch.
- Rich, L. N., Miller, D. A. W., Robinson, H. S., McNutt, J. W., & Kelly, M. J. (2016). Using camera trapping and hierarchical occupancy modelling to evaluate the spatial ecology of an African mammal community. *Journal of Applied Ecology*, 53(4), 1225–1235. <https://doi.org/10.1111/1365-2664.12650>
- Richard, A., Kellner, K., Fiske, I., Miller, D., Hutchinson, R., Smith, A., Kery, M., & Meredith, M. (2021). *Package 'unmarked' . R package version 1.1.1*.
- Ridout, M. S., & Linkie, M. (2009). Estimating overlap of daily activity patterns from camera trap data. *Journal of Agricultural, Biological, and Environmental Statistics*, 14(3), 322–337. <https://doi.org/10.1198/jabes.2009.08038>
- Rija, A. A. (2022). Local habitat characteristics determine butterfly diversity and community structure in a threatened Kihansi gorge forest, Southern Udzungwa Mountains, Tanzania. *Ecological Processes*, 11(1). <https://doi.org/10.1186/s13717-022-00359-z>
- Ripple, W. J., & Beschta, R. L. (2012). Trophic cascades in Yellowstone: The first 15years after wolf reintroduction. *Biological Conservation*, 145(1), 205–213. <https://doi.org/10.1016/j.biocon.2011.11.005>
- Ritter, E., & Dauksta, D. (2013). Human-forest relationships: Ancient values in modern perspectives. *Environment, Development and Sustainability*, 15(3), 645–662. <https://doi.org/10.1007/s10668-012-9398-9>
- Rocha, E. C., Brito, D., Silva, P. M. e, Silva, J., Bernardo, P. V. dos S., & Juen, L. (2018). Effects of habitat fragmentation on the persistence of medium and large mammal. *Biota Neotropica*, 18(3), 1–9.
- Rode-Margono, E. J., Voskamp, A., Spaan, D., Lehtinen, J. K., Roberts, P. D., Nijman, V., & Nekaris, K. A. I. (2014). Records of small carnivores and of medium-sized nocturnal mammals on Java, Indonesia. *Small Carnivore Conservation*, 50(July), 1–11.
- Rogan, J. E., & Lacher, T. E. (2018). Impacts of Habitat Loss and Fragmentation on Terrestrial Biodiversity. In *Reference Module in Earth Systems and Environmental Sciences*. Elsevier Inc. <https://doi.org/10.1016/b978-0-12-409548-9.10913-3>
- Rogers, P. (1996). Disturbance ecology and forest management: A review of the literature. In *Disturbance Ecology and Forest Management : A Review of the Literature* (Issue May).
- Rovero, F., & Jones, T. (2012). Wildlife corridors in the Udzungwa Mountains of Tanzania. *Ecological Restoration*, 30(4), 282–285.

<https://doi.org/10.3368/er.30.4.282>

Rovero, F., Owen, N., Jones, T., Canteri, E., Iemma, A., & Tattoni, C. (2017). Camera trapping surveys of forest mammal communities in the Eastern Arc Mountains reveal generalized habitat and human disturbance responses. *Biodiversity and Conservation*, 26(5), 1103–1119. <https://doi.org/10.1007/s10531-016-1288-2>

Rovero, F., Tobler, M., & Sanderson, J. (2010). Camera trapping for inventorying terrestrial vertebrates. *Manual on Field Recording Techniques and Protocols for All Taxa Biodiversity Inventories and Monitoring*, 6, 100–128. http://www.scubla.it/images/Schede_pdf/ecologia/approfondimenti_fototrappole/06camera_trapping_inventorying_terrestrial_vertrebrates.pdf

Rowcliffe, J. M., Kays, R., Kranstauber, B., Carbone, C., & Jansen, P. A. (2014). Quantifying levels of animal activity using camera trap data. *Methods in Ecology and Evolution*, 1170–1179. <https://doi.org/10.1111/2041-210X.12278>

Rustiadi, A. (2015). Macan tutul Jawa (*Panthera pardus melas* Cuvier, 1809) dan mangsa potensialnya di Bodogol, Taman Nasional Gunung Gede Pangrango. *Prosiding Seminar Nasional Masyarakat Biodiversitas Indonesia*, 1(7), 236–241. <https://doi.org/10.13057/psnmbi/m010211>

Salom-Perez, R., Corrales-Gutierrez, D., Araya-Gamboa, D., Espinoza-Muñoz, D., Finegan, B., & Petracca, L. S. (2021). Forest cover mediates large and medium-sized mammal occurrence in a critical link of the Mesoamerican Biological Corridor. *PLoS ONE*, 16(3 March), 1–19. <https://doi.org/10.1371/journal.pone.0249072>

Samia, D. S. M., Nakagawa, S., Nomura, F., Rangel, T. F., & Blumstein, D. T. (2015). Increased tolerance to humans among disturbed wildlife. *Nature Communications*, 6. <https://doi.org/10.1038/ncomms9877>

Santini, L., González-Suárez, M., Rondinini, C., & Di Marco, M. (2017). Shifting baseline in macroecology? Unravelling the influence of human impact on mammalian body mass. *Diversity and Distributions*, 23(6), 640–649. <https://doi.org/10.1111/ddi.12555>

Santoso, B., & Restanto, W. (2021). Monitoring Macan Tutul Jawa (*Panthera pardus melas* Cuvier, 1809) dengan Kamera Trap di Cagar Alam Nusakambangan Timur Kabupaten Cilacap, Provinsi Jawa Tengah. *Al-Hayat: Journal of Biology and Applied Biology*, 4(1), 1–10. <https://doi.org/10.21580/ah.v4i1.7923>

Sanusi, M. A. M., Shukor, M. A., Juliana, W. A. W., & Traeholt, C. (2013). Activity pattern of selected ungulates at Krau Wildlife Reserve. *AIP Conference Proceedings*, 1571(December 2013), 325–330. <https://doi.org/10.1063/1.4858677>

Schabetsberger, R., Drozdowski, G., Rott, E., Lenzenweger, R., Jersabek, C. D., Fiers, F., Traunspurger, W., Reiff, N., Stoch, F., Kotov, A. A., Martens, K.,

- Schatz, H., & Kaiser, R. (2009). Losing the bounty? Investigating species richness in isolated freshwater ecosystems of oceania. *Pacific Science*, 63(2), 153–179. <https://doi.org/10.2984/049.063.0201>
- Schroeder, T. A., Schleeweis, K. G., Moisen, G. G., Toney, C., Cohen, W. B., Freeman, E. A., Yang, Z., & Huang, C. (2017). Testing a Landsat-based approach for mapping disturbance causality in U.S. forests. *Remote Sensing of Environment*, 195, 230–243. <https://doi.org/10.1016/j.rse.2017.03.033>
- Schroeder, T. A., Wulder, M. A., Healey, S. P., & Moisen, G. G. (2011). Mapping wildfire and clearcut harvest disturbances in boreal forests with Landsat time series data. *Remote Sensing of Environment*, 115(6), 1421–1433. <https://doi.org/10.1016/j.rse.2011.01.022>
- Selvan, K. M., Krishnakumar, B. M., Ramasamy, P., & Thinesh, T. (2019). Diel activity pattern of meso-carnivores in the suburban tropical dry evergreen forest of the Coromandel Coast, India. *Journal of Threatened Taxa*, 11(8), 13960–13966. <https://doi.org/10.11609/jott.4850.11.8.13960-13966>
- Senf, C., Pflugmacher, D., Hostert, P., & Seidl, R. (2017). Using Landsat time series for characterizing forest disturbance dynamics in the coupled human and natural systems of Central Europe. *ISPRS Journal of Photogrammetry and Remote Sensing*, 130(July), 453–463. <https://doi.org/10.1016/j.isprsjprs.2017.07.004>
- Sergio, F., Blas, J., & Hiraldo, F. (2018). Animal responses to natural disturbance and climate extremes: a review. *Global and Planetary Change*, 161(May 2017), 28–40. <https://doi.org/10.1016/j.gloplacha.2017.10.009>
- Setiani, A. D., de Fraiture, C., Susanto, R. H., & Duker, A. (2017). Economic Valuation for Water Supply From Merapi Volcano National Park (Case Study: Kali Kuning Sub Watershed). *Journal of Natural Resources and Environmental Management*, 7(1), 29–36. <https://doi.org/10.19081/jpsl.2017.7.1.29>
- Shanida, S. S., Partasasmita, R., Husodo, T., Parikesit, Febrianto, P., & Megantara, E. N. (2018). The existence of javan leopard (*Panthera pardus melas* cuvier, 1809) in the non-conservation forest areas of Cisokan, Cianjur, West Java, Indonesia. *Biodiversitas*, 19(1), 42–46. <https://doi.org/10.13057/biodiv/d190107>
- Sharma, K., Robeson, S. M., Thapa, P., & Saikia, A. (2017). Land-use/land-cover change and forest fragmentation in the Jigme Dorji National Park, Bhutan. *Physical Geography*, 38(1), 18–35. <https://doi.org/10.1080/02723646.2016.1248212>
- Shimizu, K., Ponce-Hernandez, R., Ahmed, O. S., Ota, T., Win, Z. C., Mizoue, N., & Yoshida, S. (2016). Using Landsat time series imagery to detect forest disturbance in selectively logged tropical forests in Myanmar. *Canadian Journal of Forest Research*, 47(3), 289–296. <https://doi.org/10.1139/cjfr-2016-0244>

- Silveira, F. A. O., Barbosa, M., Beiroz, W., Callisto, M., Macedo, D. R., Morellato, L. P. C., Neves, F. S., Nunes, Y. R. F., Solar, R. R., & Fernandes, G. W. (2019). Tropical mountains as natural laboratories to study global changes: A long-term ecological research project in a megadiverse biodiversity hotspot. *Perspectives in Plant Ecology, Evolution and Systematics*, 38(April), 64–73. <https://doi.org/10.1016/j.ppees.2019.04.001>
- Simberloff, D S. (1974). Equilibrium Theory of Island Biogeography and Ecology. *Annual Review of Ecology and Systematics*, 5(1), 161–182. <https://doi.org/10.1146/annurev.es.05.110174.001113>
- Simberloff, Daniel S., & Abele, L. G. (1976). Island biogeography theory and conservation practice. *Science*, 191(4224), 285–286. <https://doi.org/10.1126/science.191.4224.285>
- Sinclair, A. R. E. (2003). the Role of Mammals As Ecosystem Landscapers. *Alces*, 39, 161–176.
- Sinclair, A. R. E., Lacher, T. E., Davidson, A. D., Fleming, T. H., Gómez-Ruiz, E. P., McCracken, G. F., Owen-Smith, N., Peres, C. A., & Vander Wall, S. B. (2003). the Role of Mammals As Ecosystem Landscapers. *Journal of Mammalogy*, 100(3), 942–964. <https://doi.org/10.1093/jmammal/gyy183>
- Smiet, A. C. (1992). Forest Ecology On Java: Human Impact And Vegetation Of Montane Forest. *Journal of Tropical Ecology*, 8(2), 129–152. <https://doi.org/10.1017/S026646740000626X>
- Soberón, J. (2007). Grinnellian and Eltonian niches and geographic distributions of species. *Ecology Letters*, 10(12), 1115–1123. <https://doi.org/10.1111/j.1461-0248.2007.01107.x>
- Soberon, J., & Peterson, A. T. (2005). Interpretation of Models of Fundamental Ecological Niches and Species' Distributional Areas. *Biodiversity Informatics*, 2(0), 0–10. <https://doi.org/10.17161/bi.v2i0.4>
- Sodik, M., Pudyatmoko, S., Yuwono, P. S. H., & Imron, M. A. (2019). Jurnal Ilmu Kehutanan. *Jurnal Ilmu Kehutanan*, 11(1), 4–14.
- Soga, M., & Gaston, K. J. (2020). The ecology of human-nature interactions. *Proceedings of the Royal Society B: Biological Sciences*, 287(1918). <https://doi.org/10.1098/rspb.2019.1882>
- Sommer, U., Padisak, J., Reynolds, C. S., & Juhasz-Nagy, P. (1993). Hutchinson 's heritage: the diversity-disturbance relationship in phytoplankton. *Hydrobiologia*, 249, 1–7.
- Soofi, M., Ghoddousi, A., Zeppenfeld, T., Shokri, S., Soufi, M., Jafari, A., Ahmadpour, M., Qashqaei, A. T., Egli, L., Ghadirian, T., Chahartaghi, N. R., Zehzad, B., Kiabi, B. H., Khorozyan, I., Balkenhol, N., & Waltert, M. (2018). Livestock grazing in protected areas and its effects on large mammals in the Hyrcanian forest, Iran. *Biological Conservation*, 217(November 2017), 377–382. <https://doi.org/10.1016/j.biocon.2017.11.020>

- Soraya, E., Wardhana, W., & Sadono, R. (2016). Pemodelan Spasial Resiliensi Ekosistem Gunungapi Merapi Pasca Erupsi. *Jurnal Ilmu Kehutanan*, 10(2), 86. <https://doi.org/10.22146/jik.16509>
- Soto, C. A., & Palomares, F. (2015). Human-related factors regulate the presence of domestic dogs in protected areas. *Oryx*, 49(2), 254–260. <https://doi.org/10.1017/S0030605313000604>
- Stamps, J. (2008). Habitat. *Encyclopedia of Ecology, Five-Volume Set*, 1807–1810. <https://doi.org/10.1016/B978-008045405-4.00502-4>
- Statistik Indonesia 2022. (2022). Statistik Indonesia 2022. In *Badan Pusat Statistik Indonesia* (Vol. 1101001).
- Su, S. U., & Sale, J. (2007). Niche differentiation between Common Palm Civet *Paradoxurus hermaphroditus* and Small Indian Civet *Viverricula indica* in regenerating degraded forest, Myanmar. *Small Carnivore Conservation*, 36(April), 30–34.
- Subagyo, A., Supriatna, J., Andayani, N., Mardiasuti, A., & Sunarto. (2020). Diversity and activity pattern of wild cats in Way Kambas National Park, Sumatra, Indonesia. *IOP Conference Series: Earth and Environmental Science*, 481(1). <https://doi.org/10.1088/1755-1315/481/1/012005>
- Suharti, S. (2015). *Pemanfaatan tumbuhan bawah di zona pemanfaatan Taman Nasional Gunung Merapi oleh masyarakat sekitar hutan*. 1(September), 1411–1415. <https://doi.org/10.13057/psnmbi/m010625>
- Sulaksono, N., & Hadiyan, Y. (2015). Strategi resolusi konflik ekosistem kawasan Taman Nasional Gunung Merapi: Pelajaran dari Jurang Jero. *Prosiding Seminar Nasional Masyarakat Biodiversitas Indonesia*, 1(August), 1370–1374. <https://doi.org/10.13057/psnmbi/m010618>
- Sulaksono, N., Pudyatmoko, S., Soemardi, Wardhana, W., Hadiyan, Y., & Nurvianto, S. (2022). Response of terrestrial mammals to various types of disturbance in the Gunung Merapi National Park, Indonesia. *Biodiversitas*, 23(3), 1635–1647. <https://doi.org/10.13057/biodiv/d230355>
- Sun, L., Mi, X., Wei, J., Wang, J., Tian, X., Yu, H., & Gan, P. (2017). A cloud detection algorithm-generating method for remote sensing data at visible to short-wave infrared wavelengths. *ISPRS Journal of Photogrammetry and Remote Sensing*, 124(January 2021), 70–88. <https://doi.org/10.1016/j.isprsjprs.2016.12.005>
- Sunardi, Sulistijorini, & Setyawati, T. (2017). Invasion of *Acacia decurrens* WILLD. After Eruption of Mount Merapi, Indonesia. *Biotropia*, 24(3), 202–211. <https://doi.org/10.11598/btb.201>
- Surono, Jousset, P., Pallister, J., Boichu, M., Buongiorno, M. F., Budisantoso, A., Costa, F., Andreastuti, S., Prata, F., Schneider, D., Clarisse, L., Humaida, H., Sumarti, S., Bignami, C., Griswold, J., Carn, S., Oppenheimer, C., & Lavigne, F. (2012a). The 2010 explosive eruption of Java's Merapi volcano-A “100-

- year” event. *Journal of Volcanology and Geothermal Research*, 241–242, 121–135. <https://doi.org/10.1016/j.jvolgeores.2012.06.018>
- Surono, Jousset, P., Pallister, J., Boichu, M., Buongiorno, M. F., Budisantoso, A., Costa, F., Andreastuti, S., Prata, F., Schneider, D., Clarisse, L., Humaida, H., Sumarti, S., Bignami, C., Griswold, J., Carn, S., Oppenheimer, C., & Lavigne, F. (2012b). The 2010 explosive eruption of Java ’ s Merapi volcano-A ’ 100-year ’ event. *Journal of Volcanology and Geothermal Research*, 241–242(October), 121–135. <https://doi.org/10.1016/j.jvolgeores.2012.06.018>
- Suryanto, P., Hamzah, M. Z., Alias, M. A., & Mohamed, A. (2010). Post-eruption species dynamic of Gunung Merapi National Park, Java, Indonesia. *Journal of Tropical Biology and Conservation*, 7(1), 49–57.
- Sutomo. (2013). *Ecological Succession on Volcanic Ecosystem of Mount Merapi Indonesia and Its Implication for Restoration* (Issue December 2013). Biotrop. <https://doi.org/10.13140/RG.2.1.2575.1520>
- Sutomo. (2019). Ecology and Invasiveness Potential of *Acacia decurrens* in Several Parts of Mount Merapi National Park Area Yogyakarta. *Metamorfosa*, 6(1), 1–6.
- Sutomo, Hobbs, R. J., & Cramer, V. A. (2015). Plant community structure and composition in secondary succession following wildfire from Nuées Ardentes of mount Merapi , Indonesia. *Tropical Plant Research*, 2(JANUARY), 204–214.
- Suwarsono, Rokhmatuloh, & Waryono, T. (2013). Pengembangan Model Identifikasi Daerah Bekas Kebakaran Hutan Dan Lahan (Burned Area) Menggunakan Citra Modis Di Kalimantan (Model Development of Burned Area Identification Using Modis Imagery in Kalimantan). *Jurnal Penginderaan Jauh*, 10(2), 93–112.
- Takahashi, D. Y. (2018). Animal Communication: Chit-Chat in Meerkats. *Current Biology*, 28(22), R1298–R1300. <https://doi.org/10.1016/j.cub.2018.09.038>
- Tang, D., Fan, H., Yang, K., & Zhang, Y. (2019). Mapping forest disturbance across the China–Laos border using annual Landsat time series. *International Journal of Remote Sensing*, 40(8), 2895–2915. <https://doi.org/10.1080/01431161.2018.1533662>
- Tarjuelo, R., Barja, I., Morales, M. B., Traba, J., Benítez-López, A., Casas, F., Arroyo, B., Delgado, M. P., & Mougeot, F. (2015). Effects of human activity on physiological and behavioral responses of an endangered steppe bird. *Behavioral Ecology*, 26(3), 828–838. <https://doi.org/10.1093/beheco/arv016>
- Taufik, A., Syed Ahmad, S. S., & Azmi, E. F. (2019). Classification of landsat 8 satellite data using unsupervised methods. *Lecture Notes in Networks and Systems*, 67(August), 275–284. https://doi.org/10.1007/978-981-13-6031-2_46
- The Concept of Disturbance*. (2016). 7–13. <https://doi.org/10.1007/978-3-319->

32476-0

- Thomas, E. M., Nekaris, K. A. I., Imron, M. A., Cassey, P., Shepherd, C. R., & Nijman, V. (2021). Shifts of trade in Javan ferret badgers *Melogale orientalis* from wildlife markets to online platforms: Implications for conservation policy, human health and monitoring. *Endangered Species Research*, 46(October), 67–78. <https://doi.org/10.3354/ESR01142>
- Tobler, M. W., Carrillo-Percastegui, S. E., Leite Pitman, R., Mares, R., & Powell, G. (2008). An evaluation of camera traps for inventorying large- and medium-sized terrestrial rainforest mammals. *Animal Conservation*, 11(3), 169–178. <https://doi.org/10.1111/j.1469-1795.2008.00169.x>
- Tuong, T. T. C., Tani, H., Wang, X., & Thang, N. Q. (2019). Semi-supervised classification and landscape metrics for mapping and spatial pattern change analysis of tropical forest types in Thua Thien Hue Province, Vietnam. *Forests*, 10(8), 1–25. <https://doi.org/10.3390/f10080673>
- Turner, M. G., & Gardner, R. H. (2015a). Landscape ecology in theory and practice: Pattern and process. In *Landscape Ecology in Theory and Practice: Pattern and Process*. <https://doi.org/10.1007/978-1-4939-2794-4>
- Turner, M. G., & Gardner, R. H. (2015b). *Landscape Ecology in Theory and Practice* (2nd ed.). Springer. <https://doi.org/10.1007/978-1-4939-2794-4>
- Umay, R., Hardjanto, Soekmadi, R., & Sunito, S. (2020a). Direct economic benefits and human dependence toward gunung Merapi National Park, Indonesia. *Biodiversitas*, 21(3), 982–993. <https://doi.org/10.13057/biodiv/d210318>
- Umay, R., Hardjanto, Soekmadi, R., & Sunito, S. (2020b). Livelihood adaptation patterns of sub villages community in the slope of Merapi Volcano. *IOP Conference Series: Earth and Environmental Science*, 528(1). <https://doi.org/10.1088/1755-1315/528/1/012020>
- Ustari, A. B. H. A. M., Etiawan, A. G. U. S. S., & Inaldi, D. O. R. (2016). Kelimpahan Jenis Mamalia Menggunakan Kamera Jebakan Di Resort Gunung Botol Taman Nasional Gunung Halimun Salak. *Media Konservasi*, 20(2), 93–101. <https://doi.org/10.29243/medkon.20.2.%p>
- van Schaik, C. P., & Griffiths, M. (1996). Activity Periods of Indonesian Rain Forest Mammals. *Biotropica*, 28(1), 105. <https://doi.org/10.2307/2388775>
- Viviroli, D., Kumm, M., Meybeck, M., Kallio, M., & Wada, Y. (2020). Increasing dependence of lowland populations on mountain water resources. *Nature Sustainability*, 3(11), 917–928. <https://doi.org/10.1038/s41893-020-0559-9>
- Voight, B., Constantine, E. K., Siswoidjono, S., & Torley, R. (2000a). Historical eruptions of Merapi Volcano, Central Java, Indonesia, 1768-1998. *Journal of Volcanology and Geothermal Research*, 100(1–4), 69–138. [https://doi.org/10.1016/S0377-0273\(00\)00134-7](https://doi.org/10.1016/S0377-0273(00)00134-7)
- Voight, B., Constantine, E. K., Siswoidjono, S., & Torley, R. (2000b). Historical

- eruptions of Merapi Volcano, Central Java, Indonesia, 1768-1998. *Journal of Volcanology and Geothermal Research*, 100(1-4), 69-138. [https://doi.org/10.1016/S0377-0273\(00\)00134-7](https://doi.org/10.1016/S0377-0273(00)00134-7)
- Wang, Y., Smith, J. A., & Wilmers, C. C. (2017). Residential development alters behavior, movement, and energetics in a top carnivore. *PlosOne*, 12(10), e0184687. <https://doi.org/10.5061/dryad.08tb4>
- Weaver Paul C Paquet, J. L., & Leonard, F. (1996). Resilience and conservation of large carnivores in the rocky mountain. *Conservation Biology*, 10(4), 964-976. <https://doi.org/10.1046/j.1523-1739.1996.10040964.x>
- Whittaker, R. J., Richards, K., Wiriadinata, H., & Flenley, J. R. (1984). Krakatau 1883 to 1983: A biogeographical assessment. *Progress in Physical Geography*, 8(1), 61-81. <https://doi.org/10.1177/030913338400800103>
- Wibisono, H. T. (2009). *TUTORIAL PROGRAM PRESENCE - single season model*. 47.
- Wiens, J. A. (1995). Landscape mosaics and ecological theory. In L. Hansson, L. Fahrig, & G. Merriam (Eds.), *Mosaic landscapes and ecological processes*. Chapman & Hall.
- Wilson, M. W., Ridlon, A. D., Gaynor, K. M., Gaines, S. D., Stier, A. C., & Halpern, B. S. (2020). Ecological impacts of human-induced animal behaviour change. *Ecology Letters*, 23(10), 1522-1536. <https://doi.org/10.1111/ele.13571>
- Wong, B. B. M., & Candolin, U. (2015). Behavioral responses to changing environments. *Behavioral Ecology*, 26(3), 665-673. <https://doi.org/10.1093/beheco/aru183>
- Wu, Jianguo. (2013). Landscape Ecology. In R. A. Meyers (Ed.), *Encyclopedia of Sustainability Science and Technology* (pp. 179-200). Springer Science+Business Media. <https://doi.org/10.1007/978-1-4419-0851-3>
- Wu, Jianguo, & Hobbs, R. (2007). Landscape ecology: the state-of-the-science. In Jianguo Wu & R. J. Hobbs (Eds.), *Key Topics in Landscape Ecology* (Issue January 2007, pp. 271-287). Cambridge University Press. <https://doi.org/10.1017/CBO9780511618581.016>
- Wu, Jing, & Liu, Z. M. (2014). Effect of habitat fragmentation on biodiversity: A review. *Chinese Journal of Ecology*, 33(7), 1946-1952.
- Wu, Y. M., Shen, X. L., Tong, L., Lei, F. W., Mu, X. Y., & Zhang, Z. X. (2021). Impact of past and future climate change on the potential distribution of an endangered montane shrub *Lonicera oblate* and its conservation implications. *Forests*, 12(2), 1-20. <https://doi.org/10.3390/f12020125>
- Wyse, S. V, Wilmshurst, J. M., Burns, B. R., & Perry, G. L. W. (2018). *New Zealand forest dynamics : a review of past and present vegetation responses to disturbance , and development of conceptual forest models*. 42, 87-106.

- Xavier, M., Paviolo, A., Reverberi, L., & Pardini, R. (2018). Effectiveness of Protected Areas for biodiversity conservation : Mammal occupancy patterns in the Iguaçu National Park , Brazil. *Journal for Nature Conservation*, 41(June 2017), 51–62. <https://doi.org/10.1016/j.jnc.2017.11.001>
- Xue, H. R., Yamaguchi, N., Driscoll, C. A., Han, Y., Bar-Gal, G. K., Zhuang, Y., Mazak, J. H., MacDonald, D. W., O'Brien, S. J., & Luo, S. J. (2015). Genetic ancestry of the extinct Javan and Bali Tigers. *Journal of Heredity*, 106(3), 247–257. <https://doi.org/10.1093/jhered/esv002>
- Yang, J., Langford, F., & Kiddie, J. (2021). Risk factors for aggressive behaviour in domestic dogs (*Canis familiaris*), as reported by owners in mainland China. *Applied Animal Behaviour Science*, 234(June 2020), 105211. <https://doi.org/10.1016/j.applanim.2020.105211>
- Yang, Y., Erskine, P. D., Lechner, A. M., Mulligan, D., Zhang, S., & Wang, Z. (2018). Detecting the dynamics of vegetation disturbance and recovery in surface mining area via Landsat imagery and LandTrendr algorithm. *Journal of Cleaner Production*, 178, 353–362. <https://doi.org/10.1016/j.jclepro.2018.01.050>
- Ye, T., Wang, Y., Guo, Z., & Li, Y. (2017). Factor contribution to fire occurrence, size, & burn probability in a subtropical coniferous forest in East China. *PLoS ONE*, 12(2), 1–18. <https://doi.org/10.1371/journal.pone.0172110>
- Yeom, D. J., & Kim, J. H. (2011). Comparative evaluation of species diversity indices in the natural deciduous forest of Mt. Jeombong. *Forest Science and Technology*, 7(2), 68–74. <https://doi.org/10.1080/21580103.2011.573940>
- Yudhistira, Hidayat, W. K., & Hidayarto, A. (2011). Kajian Dampak Kerusakan Lingkungan Akibat Kegiatan Gunung Merapi. *Jurnal Ilmu Lingkungan*, 9(2), 76–84.
- Zaniewski, A. E., Lehmann, A., & Overton, J. M. C. (2002). Predicting species spatial distributions using presence-only data: A case study of native New Zealand ferns. *Ecological Modelling*, 157(2–3), 261–280. [https://doi.org/10.1016/S0304-3800\(02\)00199-0](https://doi.org/10.1016/S0304-3800(02)00199-0)
- Zeller, K. A., Vickers, T. W., Ernest, H. B., & Boyce, W. M. (2017). Multi-level, multi-scale resource selection functions and resistance surfaces for conservation planning: Pumas as a case study. *PLoS ONE*, 12(6), 1–20. <https://doi.org/10.1371/journal.pone.0179570>
- Zhang, Yihang, Ling, F., Wang, X., Foody, G. M., Boyd, D. S., Li, X., Du, Y., & Atkinson, P. M. (2021). Tracking small-scale tropical forest disturbances: Fusing the Landsat and Sentinel-2 data record. *Remote Sensing of Environment*, 261(10 m), 1–34. <https://doi.org/10.1016/j.rse.2021.112470>
- Zhang, Yun, Drobyshev, I., Gao, L., Zhao, X., & Bergeron, Y. (2014). Dendrochronologia Disturbance and regeneration dynamics of a mixed Korean pine dominated forest on Changbai Mountain , North-Eastern China. *Dendrochronologia*, 32(1), 21–31.

<https://doi.org/10.1016/j.dendro.2013.06.003>

- Zimbres, B., Peres, C. A., & Machado, R. B. (2017). Terrestrial mammal responses to habitat structure and quality of remnant riparian forests in an Amazonian cattle-ranching landscape. *Biological Conservation*, 206, 283–292. <https://doi.org/10.1016/j.biocon.2016.11.033>
- Zuhri, M., & Mutaqien, Z. (2011). Perubahan Komposisi Vegetasi dan Struktur Pohon Pada Plot Meijer (1959 - 2009) di Gunung Gede, Jawa Barat. *Buletin Kebun Raya*, 14(1), 37–45.
- Zungu, M. M., Maseko, M. S. T., Kalle, R., Ramesh, T., & Downs, C. T. (2020a). Factors affecting the occupancy of forest mammals in an urban-forest mosaic in EThekwin Municipality, Durban, South Africa. In *Urban Forestry and Urban Greening* (Vol. 48). Elsevier GmbH. <https://doi.org/10.1016/j.ufug.2019.126562>
- Zungu, M. M., Maseko, M. S. T., Kalle, R., Ramesh, T., & Downs, C. T. (2020b). Factors affecting the occupancy of forest mammals in an urban-forest mosaic in EThekwin Municipality, Durban, South Africa. *Urban Forestry & Urban Greening*, 48(August 2019), 126562. <https://doi.org/10.1016/j.ufug.2019.126562>
- Zungu, M. M., Maseko, M. S. T., Kalle, R., Ramesh, T., & Downs, C. T. (2020c). Urban Forestry & Urban Greening Factors affecting the occupancy of forest mammals in an urban-forest mosaic in EThekwin Municipality, Durban, South Africa. *Urban Forestry & Urban Greening*, 48(August 2019), 126562. <https://doi.org/10.1016/j.ufug.2019.126562>