

DAFTAR PUSTAKA

- Ace, M., & Syarifudin, D. (2015). Mengenal katak di Taman Nasional Gunung Gede Pangrango. Cibodas: Balai Besar Gunung Gede Pangrango.
- Amézquita, A., & Hödl, W. (2004). How, when, and where to perform visual displays: the case of the Amazonian frog *Hyla parviceps*. *Herpetologica*, 60(4), 420-429. <https://doi.org/10.1655/02-51>
- Andreani, T. L., Bastos, R. P., Siqueira, M. N., Ramalho, W. P., & de Morais, A. R. (2023). Acoustic plasticity in *Boana goiana* (Lutz, 1968) (Anura, Hylidae): how males respond to successive interactions with conspecific competitors. *Bioacoustics*, 1-12. <https://doi.org/10.1080/09524622.2023.2189164>
- Alandana, I. M., Rustiami, H., & Widodo, P. (2015). Inventarisasi palem di hutan Bodogol, Taman Nasional Gunung Gede Pangrango. *Buletin Kebun Raya*, 18(2), 81-98.
- Ario, A., J. Supriatna & N. Andayani. (2011). Owa (*Hylobates moloch* Audebert 1798) di Taman Nasional Gunung Gede Pangrango. Conservation International (CI) Indonesia: Jakarta.
- Ardiansyah, D., Karunia, A., Auliandina, T., Putri, D. A., & Noer, M. I. (2014). Kelimpahan Kodok Jam Pasir *Leptophryne borbonica* di Sepanjang Aliran Sungai Cisuren, Bodogol, Taman Nasional Gunung Gede Pangrango. *Bioma*, 10(2), 11-18. [https://doi.org/10.21009/Bioma10\(2\).2](https://doi.org/10.21009/Bioma10(2).2)
- Brasileiro, C. A., Sawaya, R. J., Kiefer, M. C., & Martins, M. (2005). Amphibians of an open Cerrado fragment in southeastern Brazil. *Biota Neotropica*, 5, 93-109. <https://doi.org/10.1590/S1676-06032005000300006>
- Brodie, E. D. (1978). Biting and vocalization as antipredator mechanisms in terrestrial salamanders. *Copeia*, 1978(1), 127.
- Brumm H, Slabbekoorn H (2005) Acoustic communication in noise. In: Advances in the study of behavior, vol 35. Academic Press, New York, pp 151–209. [https://doi.org/10.1016/S0065-3454\(05\)35004-2](https://doi.org/10.1016/S0065-3454(05)35004-2)
- Brumm, H. (Ed.). (2013). Animal communication and noise (Vol. 2). Springer Science & Business Media.
- Campbell, N. A., Reece, J. B., Urry, L. A., Cain, M. L., Wasserman, S. A., Wenorsky, P. V., & Jackson, R. B. (2010). Biologi Edisi Kedelapan Jilid 2. Jakarta: Erlangga.
- Caldart V. M., Lop S., Lingnau R., and Cechin S. Z. (2014). Social interactions in

- a neotropical stream frog reveal a complex repertoire of visual signals and the use of multimodal communication. Behaviour. 151 (6): 719–739. <https://doi.org/10.1163/1568539X-00003165>.
- Colafrancesco, K. C., & Gridi-Papp, M. (2016). Vocal sound production and acoustic communication in amphibians and reptiles. USA: Springer International.
- Cummings, M.E., Bernal, X.E., Reynaga, R., Rand, A.S., and Ryan, M.J. (2008): Visual sensitivity to a conspicuous male cue varies by reproductive state in *Physalaemus pustulosus* females. Journal of Experimental Biology 211: 1203–1210. <https://doi.org/10.1242/jeb.012963>
- Duellman,W.E.,&Trueb, L. (1986). Biology of Amphibians. New York: McGrawHill.
- Eprilurahman, R., Hilmy, M. F., & Qurniawan, T. F. (2009). Studi keanekaragaman Reptil dan Amfibi di Kawasan Ekowisata Linggo Asri, Pekalongan, Provinsi Jawa Tengah. Journal of Biological Researchers, 15(1), 93-97. doi:10.23869/bphjbr.15.1.200915.
- Erfanda, M.P., L. Septiadi, S.R. Devi, B.F. Hanifa. 2019. Distribution Record of *Leptophryne borbonica* (Tschudi, 1838) (Anura: Bufonidae) from Malang, East Java: Description, Microhabitat, and Possible Threats. Journal of Tropical Biodiversity and Biotechnology 4: 82.
- Frost, D. R. (2019). Amphibian species of the world: An online reference version 6.0. (10 Desember 2022). Retrieved from: <http://research.amnh.org/herpetology/amphibia/index.html>
- Furtado, R., & Nomura, F. (2014). Visual signals or displacement activities? The function of visual displays in agonistic interactions in nocturnal tree frogs. acta ethologica, 17, 9-14.
- Gerhardt, H. C., & Huber, F. (2002). Acoustic Communication in Insects and go: University of Chicago Press. <https://doi.org/10.1121/1.1591773>
- Goin, C.J., Goin, O. and Zug, G., 1978. Introduction to Herpetology. W. H. H.Freemanand Company, San Francisco, California.
- Gomez, D., Richardson, C., Lengagne, T., Plenet, S., Joly, P., Léna, J. P., & Théry, M. (2009). The role of nocturnal vision in mate choice: females prefer conspicuous males in the European tree frog (*Hyla arborea*). Proceedings of the Royal Society B: Biological Sciences, 276(1666), 2351-2358. <https://doi.org/10.1098/rspb.2009.0168>
- Grafe T. U. and Wanger T. C. (2007). Multimodal signaling in male and female foot-flagging frogs *Staurois guttatus* (Ranidae): An alerting function of

- calling. *Ethology*. 113 (8): 772–781. <https://doi.org/10.1111/j.1439-0310.2007.01378.x>
- Grafe, T. U., Preininger D., Szstatecsny M., Kasah R., Dehling J. M., et al. (2012). Multimodal communication in a noisy environment: A case study of the Bornean rock frog *Staurois parvus*. *PLoS ONE*. 7 (5): e37965. <https://doi.org/10.1371/journal.pone.0037965>
- Grafe, T. U., & Tony, J. A. (2017). Temporal variation in acoustic and visual signalling as a function of stream background noise in the Bornean foot-flagging frog, *Staurois parvus*. *Journal of Ecoacoustics*, 1, X74QE0. doi: 10.22261/jea.x74qe
- Guilford T. and Dawkins M. S. (1991). Receiver psychology and the evolution of animal signals. *Animal Behaviour*. 42 (1): 1–14. [https://doi.org/10.1016/S0003-3472\(05\)80600-1](https://doi.org/10.1016/S0003-3472(05)80600-1).
- Halfwerk, W., Dixon, M. M., Ottens, K. J., Taylor, R. C., Ryan, M. J., Page, R. A., & Jones, P. L. (2014). Risks of multimodal signaling: bat predators attend to dynamic motion in frog sexual displays. *Journal of Experimental Biology*, 217(17), 3038-3044. <https://doi.org/10.1242/jeb.107482>
- Hamidi, T., Singh, A. K., Veland, N., Vemulapalli, V., Chen, J., Hardikar, S., & Chen, T. (2018). Identification of Rpl29 as a major substrate of the lysine methyltransferase Set7/9. *Journal of Biological Chemistry*, 293(33), 12770-12780. <https://doi.org/10.1074/jbc.RA118.002890>
- Hartmann, M. T., Giasson, L. O., Hartmann, P. A., & Haddad, C. F. (2005). Visual communication in Brazilian species of anurans from the Atlantic forest. *Journal of Natural History*, 39(19), 1675-1685. <https://doi.org/10.1080/00222930400008744>
- Hödl W. and Amézquita A. (2001). Visual signaling in anuran amphibians. In: Anuran Communication, edited by Ryan MJ. Washington, DC: Smithsonian Institution Press. 121–141.
- Iskandar, D. T. (1998). Amfibi Jawa dan Bali. Puslitbang Biologi-LIPI and GEF-Biodiversity Collections Project, Bogor. xviii+ 117 pp; 26 pl. English edition, 1998, The Amphibians of Java and Bali. Research and Development Centre for Biology-LIPI and GEF-Biodiversity Collections Project, Bogor. xviii, 117.
- Iskandar, D. T., & Colijn, E. (2000). Preliminary Checklist of Southeast Asian and New Guinean Herpetofauna: Amphibians. I. Research and Development Centre for Biology, Indonesian Institute of Sciences.
- IUCN SSC Amphibian Specialist Group. (2014). *Leptophryne borbonica*. The

- IUCN Red List of Threatened Species 2014: e.T54814A62029818. <https://dx.doi.org/10.2305/IUCN.UK.2014-3.RLTS.T54814A62029818.en>
- Kamsi, M., Handayani, S., Siregar, A. J., & Fredriksson, G. (2017). Buku Panduan Lapangan Amfibi dan Reptil Kawasan Hutan Batang Toru. Medan: Herpetologer Mania.
- King, J. R., & Comer, C. M. (1996). Visually elicited turning behavior in *Rana pipiens*: comparative organization and neural control of escape and prey capture. *Journal Of Comparative Physiology A*, 178, 293-305. <https://doi.org/10.1007/BF00193968>
- Kusrini, M. D. (2009). Pedoman penelitian dan survei amfibi di alam. Fakultas Kehutanan IPB. Bogor.
- Kusrini, M. D. (2013). Panduan Bergambar Identifikasi Amfibi Jawa Barat. Bogor :IPB Press
- Laila, D., Kurniawati, Rizky, M., Rahma, N., Z, P. W., R, R. A., Maulidia, S., W,Y. B., P, Y. W., Nuraeni, Y., Safputri, Y., R, Z. Y., P, M. P., & Awaludin, M. T. (2018). Keanekaragaman Jenis Herpetofauna di Daerah Terestrial dan Akuatik Sekitar Area Camping Ground Blok Kancil, Kawah Ratu, Taman Nasional Gunung Halimun Salak (TNGHS), Cidahu, Sukabumi Dina. Skripsi. Biologi FKIP UNPAK. Vol 02.
- Lindquist, E. D., & Hetherington, T. E. (1996). Field studies on visual and acoustic signaling in the "earless" Panamanian golden frog, *Atelopus zeteki*. *Journal of Herpetology*, 347-354. <https://doi.org/10.2307/1565171>
- Maestripieri, D., Schino, G., Aureli, F., & Troisi, A. (1992). A modest proposal: displacement activities as an indicator of emotions in primates. *Animal behaviour*, 44(5), 967-979. [https://doi.org/10.1016/S0003-3472\(05\)80592-5](https://doi.org/10.1016/S0003-3472(05)80592-5)
- Malkmus, R., & Brühl, C. (2002). *Amphibians & Reptiles of Mount Kinabalu (North Borneo)*. Ruggell: ARG Gantner.
- McDonald, J. J., Teder-SaÈlejaÈrvi, W. A., & Hillyard, S. A. (2000). Involuntary orienting to sound improves visual perception. *Nature*, 407(6806), 906-908.
- Mistar. (2003). Panduan Lapangan Amfibi Kawasan Ekosistem Leuser. Buku. The Gibbon Foundation dan PILI-NGO Movement. Bogor.
- Moreno-Gómez, F. N., Sueur, J., Soto-Gamboa, M., & Penna, M. (2013). Female frog auditory sensitivity, male calls, and background noise: potential influences on the evolution of a peculiar matched filter. *Biological Journal of the Linnean Society*, 110(4), 814-827. <https://doi.org/10.1111/bij.12156>

- Narins PM, Zelick RD. (1988). The effects of noise on auditory processing and behavior in amphibians. In: Fritzsch B, Wilczynski W, Ryan MJ, Hetherington TE, Walkowiak W (eds) *The evolution of the amphibian auditory system*. Wiley, New York, pp 511–536
- Pope, D.S. (2000): Testing function of fiddler crab claw waving by manipulating social context. *Behavioral Ecology and Sociobiology* 47: 432–437.
- Partan, S. R., & Marler, P. (2005). Issues in the classification of multimodal communication signals. *The American Naturalist*, 166(2), 231-245.
- Pough, F. H., Andrews, R. M., Crump, M. L., Savitzky, A. H., Wells, K. D., & Brandley, M. C. (1998). *Herpetology*. New Jersey: Prentice-Hall, Inc.
- Preininger D., Boeckle M., Freudmann A., Starnberger I., Szstatecsny M., et al. (2013). Multimodal signaling in the Small Torrent Frog (*Micrixalus saxicola*) in a complex acoustic environment. *Behavioral Ecology Sociobiology*. 67 (9): 1449–1456. <https://doi.org/10.1007/s00265-013-1489-6>.
- Rosenthal, G. G., Rand, A. S., & Ryan, M. J. (2004). The vocal sac as a visual cue in anuran communication: an experimental analysis using video playback. *Animal Behaviour*, 68(1), 55-58.
<https://doi.org/10.1016/j.anbehav.2003.07.013>
- Rowe, C. (1999). Receiver psychology and the evolution of multicomponent signals. *Animal behaviour*, 58(5), 921-931.
<https://doi.org/10.1006/anbe.1999.1242>
- Ryan, M. J., & Rand, A. S. (2001). Feature weighting in signal recognition and discrimination by túngara frogs. *Anuran communication*, 86-101.
- Stangel, J., Preininger, D., Szstatecsny, M., & Hödl, W. (2015). Ontogenetic change of Signal brightness in the foot-flagging frog species *Staurois parvus* and *Staurois guttatus*. *Herpetologica*, 71(1), 2-7. <https://doi.org/10.1655/HERPETOLOGICA-D-14-00014>
- Starnberger, I., Preininger, D., & Hödl, W. (2014). The anuran vocal sac: a tool for multimodal signalling. *Animal Behaviour*, 97, 281-288. <https://doi.org/10.1016/j.anbehav.2014.07.027>
- Taylor, P. W. (2011). *Respect for nature: A theory of environmental ethics* (Vol. 51). Princeton University Press.
- Taylor, R. C., & Ryan, M. J. (2013). Interactions of multisensory components

Perceptually rescue tungara frog mating signals. *Science*, 341 (6143), 273-274. DOI: 10.1126/science.1237113

Toledo, L.F., Araújo, O.G.S., Guimarães, L.D., Lingnau, R., and Haddad, C.F.B. (2007): Visual and acoustic signaling in three species of Brazilian nocturnal tree frogs (Anura, Hylidae). *Phyllomedusa: Journal of Herpetology* 6: 61–68

Toledo, L. F., Ribeiro, R. S., & Haddad, C. F. (2007). Anurans as prey: an exploratory analysis and size relationships between predators and their prey. *Journal of Zoology*, 271(2), 170-177.

Wells, K. D., & Schwartz, J. J. (2007). The behavioral ecology of anuran communication. In *Hearing and sound communication in amphibians* (pp. 44-86). New York, NY: Springer New York.

Wollerman, L. & Wiley, R.H. (2002b). *Possibilities for error during communication by neotropical frogs in a complex acoustic environment*. — *Behav. Ecol. Sociobiol.* 52: 465- 473.

