

DAFTAR PUSTAKA

- Abdi, H., & Williams, L. J. (2010). Principal component analysis. *Wiley Interdisciplinary Reviews: Computational Statistics*, 2(4), 433–459. <https://doi.org/10.1002/wics.101>
- Allen-Ankins, S., & Schwarzkopf, L. (2022). Using citizen science to test for acoustic niche partitioning in frogs. *Scientific Reports*, 12, 2447. <https://doi.org/10.1038/s41598-022-06396-0>
- Anderson, M. J. (2001). A New Method for Non-Parametric Multivariate Analysis of Variance. *Austral Ecology*, 26(1), 32–46. <https://doi.org/10.1111/j.1442-9993.2001.01070.pp.x>
- Anderson, M. J., & Walsh, D. C. I. (2013). PERMANOVA, ANOSIM, and the Mantel test in the face of heterogeneous dispersions: What null hypothesis are you testing? *Ecological Monographs*, 83(4), 557–574. <https://doi.org/10.1890/12-2010.1>
- Anwar, C., Rahma, N. A. M., Nakadira, N. L., Kadang, S. A., Munggaran, R. A., & Rianti, P. (2025). Anura diversity and distribution at the three anthropogenic habitat areas of the IPB Dramaga Campus, West Java, Indonesia. *Bioma*, 21(2), 64–76. <https://doi.org/10.21009/bioma.v21i2.55973>
- Arifin, U., Chan, K. O., Smart, U., Hertwig, S. T., Smith, E. N., Iskandar, D. T., & Haas, A. (2021). *Revisiting the phylogenetic predicament of the genus Huia (Amphibia: Ranidae) using molecular data and tadpole morphology*. <http://zoobank.org/>
- Arifin, U. (2024). Current knowledge of amphibian diversity in Sumatra and its significance for conservation. *Oryx*, 58(4), 462–467. <https://doi.org/10.1017/S0030605323001369>
- Arini, K., Noer, M. I., Wulandari, A., Amalia, R., & Auliandina, T. (2016). Temporal and spectral variation in advertisement call of males *Microhyla achatina* (Tschudi, 1838) are sufficient for individual discrimination. *AIP Conference Proceedings*, 1744. <https://doi.org/10.1063/1.4953506>
- Boonman, A., & Kurniati, H. (2011). Evolution of high-frequency communication in frogs. *Evolutionary Ecology Research*, 13(2), 197–207.
- Boulenger, G.A. 1882. Catalogue of the *Batrachia Salientia S. ecaudata* in the Collection of the British Museum. London: Taylor & Francis
- Boulenger G. A. (1884). Descriptions of new species of reptiles and batrachians in the British Museum. –Part II. *J Nat Hist*, 13(77): 396–398

- Campbell, S., Greenwood, M., Prior, S., Shearer, T., Walkem, K., Young, S., Bywaters, D., & Walker, K. (2020). Purposive sampling: complex or simple? Research case examples. *Journal of Research in Nursing*, 25(8), 652. <https://doi.org/10.1177/1744987120927206>
- Carl, H. (1994). The Evolution of Vocalization in Frogs and Toads. In *Gerhardt Source: Annual Review of Ecology and Systematics* (Vol. 25).
- Cocroft, R. B., & Ryan, M. J. (1995). Patterns of advertisement call evolution in toads and chorus frogs. In *Anim. Behav* (Vol. 49).
- Doria G., Salvidio S., Tavano M. L. (1999). Description of *Amolops (Huia) modiglianii*, new species from Sumatera (Amphibia, Anura, Ranidae). *Doriana*, 7(317): 1–9
- Fauzan, M. F., Smith, E. N., Amarasinghe, A. A. T., Farajallah, A., Racho, A., Matsui, M., & Hamidy, A. (2026). *A new species of Leptobrachium Tschudi, 1838 (Anura: Megophryidae) from Bali and East Java, Indonesia.* <https://doi.org/10.26107/RBZ-2026-0007>
- Fei, L., C. Ye, and J. P. Jiang. (2010). Phylogenetic systematics of Ranidae. *Herpetologica Sinica/Liang qi pa xing dong wu xue yan jiu* 12: 1–43
- Ferreira, F., Kraus, F., Richards, S., Oliver, P., Günther, R., Trilaksono, W., Arida, E. A., Hamidy, A., Riyanto, A., Tjaturadi, B., Thébaud, C., Gaucher, P., & Fouquet, A. (2024). Species delimitation and phylogenetic analyses of a New Guinean frog genus (Microhylidae: *Hylophorbus*) reveal many undescribed species and a complex diversification history driven by late Miocene events. *Zoological Journal of the Linnean Society*, 202(2). <https://doi.org/10.1093/zoolinnean/zlad168>
- Forti, L. R., Foratto, R. M., Márquez, R., Pereira, V. R., & Toledo, L. F. (2018). Current knowledge on bioacoustics of the subfamily Lophyohylinae (Hylidae, Anura) and description of Ocellated treefrog *Itapotihyla langsdorffii* vocalizations. *PeerJ*, 2018(5). <https://doi.org/10.7717/peerj.4813>
- Gerhardt, H. C. (1991). Female mate choice in treefrogs: Static and dynamic acoustic criteria. *Animal Behaviour*, 42(4), 615–635. [https://doi.org/10.1016/S0003-3472\(05\)80245-3](https://doi.org/10.1016/S0003-3472(05)80245-3)
- Gerhardt, H. C., Huber, F., & Simmons, A. M. (2003). Acoustic Communication in Insects and Anurans: Common Problems and Diverse Solutions. *The Journal of the Acoustical Society of America*, 114(2), 559–559. <https://doi.org/10.1121/1.1591773>

- Gillard, G. L., & Rowley, J. J. L. (2023). Assessment of the acoustic adaptation hypothesis in frogs using large-scale citizen science data. *Journal of Zoology*, 320(4), 271-281. <https://doi.org/10.1111/jzo.13088>
- Gingras, B., Boeckle, M., Herbst, C. T., & Fitch, W. T. (2013). Call acoustics reflect body size across four clades of anurans. *Journal of Zoology*, 289(2), 143–150. <https://doi.org/10.1111/jzo.12001>
- Hamidy, A., & Matsui, M. (2017). Phylogenetic Relationships Of *Leptobrachium hasseltii* Tschudi, 1838 (Amphibia, Anura, Megophryidae) - Detection Of A Possible Cryptic Species. *Treubia*, 44, 15–28. <https://doi.org/10.14203/treubia.v44i0.3286>
- Haekal, M., Hamidy, A., Yudha, D. S., & Eprilurahman, R. (2020). Sistematika Kongkang Jeram *Huia masonii* (Boulenger, 1884) Berdasarkan Karakter Morfologi. *Bioma: Berkala Ilmiah Biologi*, 22(2), 161-169.
- Herlambang, A. E. N., Trilaksono, W., Riyanto, A., Fauzan, M. F., & Hamidy, A. (2023). A New Site Record of Striped Asian Treefrog (Amphibia: Rhacophoridae: *Chirixalus trilaksonoi*) From Sumatra, With Reevaluation of Its Conservation Status. *Treubia*, 50(2), 111–124. <https://doi.org/10.14203/treubia.v50i2.4677>
- Hillis, D. M. (2019). Species Delimitation in Herpetology. *Journal of Herpetology*, 53(1), 3–12. <https://doi.org/10.1670/18-123>
- Inger, R. F. Stuart B. L., & Iskandar, D. T. (2009). Systematics Of a Widespread Southeast Asian Frog, *Rana chalconota* (Amphibia: Anura: Ranidae). *Zoological Journal Of The Linnean Society*, 155(1), 123-147.
- Iskandar, DT. (1998). *Amfibia Jawa dan Bali*. Puslitbang Biologi-LIPI. Bogor.
- James, L. S., & Ryan, M. J. (2025). Time and place affect the acoustic structure of frog advertisement calls. *Current Zoology*, 71(2), 196–204. <https://doi.org/10.1093/cz/zoae039>
- Jörger, K. M., Schrödl, M. (2013). How to Describe a cryptic species? Practical challenges of molecular taxonomy. *Frontiers in Zoology*, 10, Article 59. <https://doi.org/10.1186/1742-9994-10-59>
- Köhler, J., Jansen, M., Rodríguez, A., Kok, P. J. R., Toledo, L. F., Emmrich, M., Glaw, F., Haddad, C. F. B., Rödel, M. O., & Vences, M. (2017). The use of bioacoustics in anuran taxonomy: Theory, terminology, methods and recommendations for best practice. In *Zootaxa* (Vol. 4251, Issue 1, pp. 1–124). Magnolia Press. <https://doi.org/10.11646/zootaxa.4251.1.1>
- Kuhl, H., & Van Hasselt, J. C. (1822). Uittreksels uit brieven van de Heeren Kuhl en Van Hasselt, aan de Heeren C. J. Temminck, Th. Van Swinderen en W.

De Haan. *Algemeene Konst- en*. (Extract Report on Kuhl Dan van Hasselt's trip) Letter Bode, 7: 99–104

Kurniati, H., Sumadijaya, A., Boonman, A., & Laksono, W. T. (2010). Ecology, Distribution and Bio-acoustic of Amphibians in Degraded Habitat (Part of Project: Ecology and Distribution of Amphibians and Slow Loris Primate in Degraded Habitat).

Kurniati, H. (2016). Bioacustics of *Hylarana celebensis* (Peters, 1872) (Anura: Ranidae) From Sulawesi. *Indonesian Journal of Biology*, 12(1), 82666.

Kurniati, H., & Hamidy, A. (2016). Variasi Suara Panggilan Kodok *Hylarana nicobariensis* (Stoliczka, 1870) Dari Lima Populasi Berbeda di Indonesia (Anura: Ranidae) [Advertisement Calls Variation on *Hylarana nicobariensis* (Stoliczka, 1870) of Five Different Populations in Indonesia (Anura: Ranidae)]. *Jurnal Biologi Indonesia*, 12(2), 165-173.

Kusrini, M. D. (2013). Panduan bergambar identifikasi amfibi Jawa Barat. Bogor: Fakultas Kehutanan IPB dan Direktorat Konservasi Keanekaragaman Hayati.

Lee, N., Vélez, A., & Bee, M. (2023). Behind the mask (ing): how frogs cope with noise. *Journal of Comparative Physiology A*, 209(1), 47-66.

Lingnau, R., & Bastos, R. P. (2007). Vocalizations of the Brazilian torrent frog *Hylodes heyeri* (Anura: Hylodidae): Repertoire and influence of air temperature on advertisement call variation. *Journal of Natural History*, 41(19–20), 1227–1235. <https://doi.org/10.1080/00222930701367723>

Marco Lassandro, Liam Bolitho & David Newell (2025) A systematic review of Passive Acoustic Monitoring for anuran conservation, *Bioacoustics*, 34(5), 579-628, <https://doi.org/10.1080/09524622.2025.2518486>

Milto, K. D. (2025). Underestimated herpetodiversity of gunung gede pangrango national park, west java, indonesia. *Russian Journal of Herpetology*, 32(1), 60–72. <https://doi.org/10.30906/1026-2296-2025-32-1-60-72>

Morton, E. S. (1975). Ecological sources of selection on avian sounds. *The American Naturalist*, 109(965), 17–34. <https://doi.org/10.1086/282971>

Munir, M., Hamidy, A., Kusrini, M. D., Kennedi, U. F., Ridha, M. A., Qayyim, D. I., Rafsanjani, R., & Nishikawa, K. (2021). A new species of *chirixalus* *boulenger*, 1893 (Anura: Rhacophoridae) from the lowland forests of Java. *Raffles Bulletin of Zoology*, 69(1), 219–234. <https://doi.org/10.26107/RBZ-2021-0018>

- Padial, J. M., Miralles, A., de La Riva, I., & Vences, M. (2010). Open Access REVIEW The integrative future of taxonomy. In *Frontiers in Zoology* (Vol. 7). <http://www.frontiersinzoology.com/content/7/1/16>
- Prestwich, K. N. (1994). The energetics of acoustic signaling in anurans and insects. *American Zoologist*, 625-643.
- Riyanto, A., & Kurniati, H. (2014). *Three New Species Of Chiromantis Peters 1854 (Anura: Rhacophoridae) From Indonesia*.
- Rostikawati, T., Prasaja, D., & Handayani, F. (2022). Diversity of Amphibians (Order Anura) in Cibodas Resort Tourism Route, Gunung Gede Pangrango National Park. *Jurnal Biodjati*, 7(2), 319-330.
- Sabinhaliduna, E., Arisuryanti, T., & Hamidy, A. (2022). The Discovery Of *Chalcorana megalonesa* In Java And The Evaluation Of Its Taxonomic Status. *Treubia*, 49(2), 97–114. <https://doi.org/10.14203/treubia.v49i2.4402>
- Schlegel, H. (1837). Abbildungen neuer oder unvollständig bekannter Amphibien, nach der Natur oder dem Leben entworfen, herausgegeben und mit einem erläuternden Texte begleitet Düsseldorf: Museum of Comparative Zoology: German: pp. 23–25
- Shen, J.-X., & Xu, Z.-M. (2016). *The Lombard effect in male ultrasonic frogs: Regulating antiphonal signal frequency and amplitude in noise*. Scientific Reports, 6, 27103. <https://doi.org/10.1038/srep27103>
- Simmons, A. M., Ferragamo, M. J., Moss, C., Dalland, J. I., & Zorikov, T. V. (2008). Analysis of acoustic interactions in bullfrog (*Rana catesbeiana*) choruses using an acoustic sensor array. *Journal of Comparative Psychology*, 122(3), 274–282. <https://doi.org/10.1037/0735-7036.122.3.274>
- Sinsch, U., et al. (2012). Acoustic niche partitioning in an anuran community inhabiting an Afrotropical wetland. *African Zoology*. <https://doi.org/10.1080/15627020.2012.11407524>
- Siqueira, J. V. C. de, Ramalho, D. F., Freitas, A. F. F. de, Silva, R. B. da, Lacerda, P. L. O., Santana, A. R. de, & Moura, G. J. B. (2025). Release Call during Interspecific Amplexus in *Boana raniceps* (Cope, 1862): Evidence of Acoustic Variation from the Atlantic Forest of Northeast, Brazil. *OALib*, 12(07), 1–9. <https://doi.org/10.4236/oalib.1113633>
- Stuart B. L., Chan-ard T. (2005). Two new Huia (Amphibia: Ranidae) from Laos and Thailand. *Copeia*, 2005(2): 279–289
- Suwannapoom, C., & Osathanunkul, M. (2023). Distinguishing fanged frogs (*Limnonectes*) species (Amphibia: Anura: Dicroglossidae), from Thailand

using high resolution melting analysis. *Scientific Reports*, 13(1).
<https://doi.org/10.1038/s41598-023-43637-2>

Tajik, O., Golzar, J., & Noor, S. (2025). Purposive sampling. *International Journal of Education & Language Studies*, 1-9.

Turin, R. A., & Nali, R. C. (2024). Movement or plasticity: acoustic responses of a torrent frog to stream geophony. *Behavioral Ecology*, 35(1), arad117

Ulrich Manthey & Wolfgang Denzer. (2014). Südostasiatische Anuren im Fokus Spezies der Gattung Huia (sensu lato) Yang, 1991 (Amphibia: Anura: Ranidae). *SAURIA, Berlin, 2014, 36 (4): 31–48.*

Vargas-Salinas, F., & Amézquita, A. (2013). Stream noise, hybridization, and uncoupled evolution of call traits in two lineages of poison frogs: *Oophaga histrionica* and *Oophaga lehmanni*. *PloS one*, 8(10), e77545.

Wei, L., L. Zhao, X. Ma, X. Fan, X. Ma & Z. Lin. (2012). Advertisement call variability in the Black-spined Toad *Bufo melanostictus* (Anura: Bufonidae) during the breeding season in Lishui, Zhejiang, China. *Asian Herpetological Research* 3(2): 157–162.

Wells, D. Kentwood. (2007). *Ecology and Behaviour of Amphibian*, Chicago and London. The University of Chicago Press.

Xiong, R., Matsui, M., Nishikawa, K., & Jiang, J. (2015). Advertisement Calls of Two Horned Frogs, *Megophrys kuatunensis* and *M. huangshanensis*, from China (Anura, Megophryidae). *Current Herpetology*, 34(1), 51–59.
<https://doi.org/10.5358/hsj.34.51>

Yang D. T. (1991). Phylogenetic systematics of the Amolops group of ranid frogs of southeastern Asia and the Greater Sunda Islands. *Fieldiana Zool. New Ser.* 63: 1–42

Zaffaroni-Caorsi, V., Both, C., Márquez, R., Llusia, D., Narins, P., Debon, M., & Borges-Martins, M. (2023). Effects of anthropogenic noise on anuran amphibians. *Bioacoustics*, 32(1), 90–120.
<https://doi.org/10.1080/09524622.2022.2070543>

Zhang, F., Chen, P., Chen, Z., & Zhao, J. (2015). Ultrasonic frogs call at a higher pitch in noisier ambiance. *Current Zoology*, 61(6), 996–1003.
<https://doi.org/10.1093/czoolo/61.6.996>

Zhao, L., Santos, J.C., Wang, J. *et al.* Noise constrains the evolution of call frequency contours in flowing water frogs: a comparative analysis in two clades. *Front Zool* 18, 37 (2021). <https://doi.org/10.1186/s12983-021-00423-y>