

## DAFTAR PUSTAKA

- Ahda Y, Nugraha FAD, Hon Tjong D, Kurniawan N, Amardi Y, Fauzi MA, Lin S-M  
2023. A new species of the *Cyrtodactylus quadrivirgatus* complex (Chordata, Reptilia, Squamata, Gekkonidae) from Sumatra Barat, Indonesia. *ZooKeys*.1168: 367-386.
- Aksornneam, A., Sung, Y. H., & Aowphol, A. 2023. Effect of habitat structure on abundance and body conditions of two sympatric geckos, *Cyrtodactylus saiyok* and *Cyrtodactylus tigroides*, in the karst forest of western Thailand. *Journal of Natural History*, 57(5-8), 395-407.
- Amarasinghe, A. T., Riyanto, A., Mumpuni, M., & Grismer, L. L. 2020. A new bent-toed gecko species of the genus *Cyrtodactylus* Gray, 1827 (Squamata: Gekkonidae) from the West Bali National Park, Bali, Indonesia. *Taprobanica*, 9(1), 59-70.
- Amarasinghe, A. T., Riyanto, A., Mumpuni, M., & Grismer, L. L. 2020. A new bent-toed gecko species of the genus *Cyrtodactylus* Gray, 1827 (Squamata: Gekkonidae) from the West Bali National Park, Bali, Indonesia. *Taprobanica*, 9(1), 59-70.
- Ardiantoro, A. 2017. Filogeografi Genus Cicak Pohon (Squamata; Gekkonidae; *Hemidactylus*) Di Jawa Dan Sumatra Berdasarkan Analisis Morfologi Dan Molekuler Gen Natrium Dehydrogenase 4 (ND4). *Skripsi*. Jurusan Biologi.

Fakultas Matematika dan Ilmu Pengetahuan Alam Universitas Brawijaya.

Malang.

Arumingtyas, E. L. 2019. *Mutasi: Prinsip Dasar dan Konsekuensi*. Universitas Brawijaya Press

Auffenberg, W. 1980. The herpetofauna of Komodo, with notes on adjacent areas. *Bull. Florida State Mus. Biol. Sci.* 25, 39–156.

Bappeda Provinsi NTB. 2013. *Geografis*. <https://bappeda.ntbprov.go.id/wp-content/uploads/2013/09/dda2013-09-babi1.pdf>. Diakses pada 24 Desember 2023.

Bauer AM, Sumontha M, Pauwels OSG. 2003. Two new species of *Cyrtodactylus* (Reptilia: Squamata: Gekkonidae) from Thailand. *Zootaxa*. 376(1):1–18. doi:10.11646/zootaxa.376.1.1.

Bauer, A.M. and P. Doughty. 2012. A new benttoed gecko (Squamata: Gekkonidae: *Cyrtodactylus*) from the Kimberley region, Western Australia. *Zootaxa*, 3187: 32–42.

Bauer, A.M., Doughty, P. 2012. A new bent-toed gecko (Squamata: Gekkonidae: *Cyrtodactylus*) from the Kimberley region, Western Australia. *Zootaxa*. 3187, 33–42.

Bauer. A.M. 1994. *Familia gekkonidae Australia*. Walter de Guyer. New York.

Baxevanis, A. D., Bader, G. D., & Wishart, D. S. (Eds.). 2020. *Bioinformatics*. John Wiley & Sons.

Böhme, M. U., Fritzsch, G., Tippmann, A., Schlegel, M., & Berendonk, T. U. 2007.

The complete mitochondrial genome of the green lizard *Lacerta viridis viridis* (Reptilia: Lacertidae) and its phylogenetic position within squamate reptiles. *Gene*, 394(1-2), 69-77.

Boulenger, G.A. 1897. A catalogue of the reptiles and batrachians of Celebes with special reference to the collections made by Drs. P & F Sarasin in 1893–1896.

*Proceedings of the Zoological Society London*: 193–237.

Brennan, I. G., Bauer, A. M., Van Tri, N., Wang, Y. Y., Wang, W. Z., Zhang, Y. P., &

Murphy, R. W. 2017. Barcoding utility in a mega-diverse, cross-continental genus: keeping pace with *Cyrtodactylus* geckos. *Scientific Reports*, 7(1), 5592.

Camargo, A. 2022. PCAtest: testing the statistical significance of Principal Component

Analysis in . PeerJ, 10, e12967. <https://doi.org/10.7717/peerj.12967>

Cavalli, S. L. L., & Balfourier. 1997. Phylogenetic analysis: models and estimation

procedures. *Am. J. Human. Genet.* 19: 122-257.

Chan, K.O., Grismer, L.L., Santana, F., Pinto, P., Loke, F.W., Conaboy, N. 2023.

Scratching the surface: a new species of Bent-toed gecko (Squamata, Gekkonidae, *Cyrtodactylus*) from Timor-Leste of the *darmandvillei* group marks the potential for future discoveries. *ZooKeys*. 1139, 107–126. <https://doi.org/10.3897/zookeys.1139.96508>.

Chase, P. D. 2014. Meristics. In *Stock Identification Methods* (pp. 171-184). Academic Press.

- Chiu YW, Bor H, Tan MS, Lin HD, Jean CT. (2013). Phylogeography and genetic differentiation among populations of the moon turban snail *Lunella granulata* Gmelin, 1791 (Gastropoda: Turbinidae). *Intl J Mol Sci* 14 (5): 9062–9079. DOI: 10.3390/ijms14059062.
- Cosentino, B. J., Schooley, R. L., Bestelmeyer, B. T., & Coffman, J. M. 2013. Response of lizard community structure to 70 desert grassland restoration mediated by a keystone rodent. *Biodiversity and Conservation*, 22(4), 921-935.
- Darevsky, I.S. 1964. Two new species of gekkonid lizards from the Komodo island in Lesser Sundas Archipelago. *Zool. Anz.* 173, 169–174.
- Darman, H., & Reemst, P. 2012. Seismic expression of geological features in Seram Sea: Seram trough, Misool-Onin ridge and sedimentary basin. *Berita Sedimentologi*, 23(1), 28-34.
- Das, I. 1994. *Cnemaspis gordongekkoi*, a new gecko from Lombok, Indonesia, and the biogeography of oriental species of *Cnemaspis* (Squamata: Sauria: Gekkonidae). *Hamadryad* 18, 1–9.
- Das, I. 2014. A field guide to the Reptile of the South East Asia. *Blomsburry*. London.
- Davidson, R., & Martín del Campo, A. 2020. Combinatorial and computational investigations of neighbor-joining bias. *Frontiers in Genetics*, 11, 584785.
- Davis, H.R., Chan, K.O., Das, I., Brennan, I.G., Karin, B.R., Jackman, T.R., Brown, R.M., Iskandar, D.T., Nashriq, I., Grismer, L.L., Bauer, A.M. 2020. Multilocus phylogeny of Bornean Bent-toed geckos (Gekkonidae: *Cyrtodactylus*) reveals

- hidden diversity, taxonomic disarray, and novel biogeographic patterns. *Mol. Phylogenet. Evol.* 147, 106785.
- Davis, H.R., Nashriq, I., Woytek, K.S., Wikramanayake, S.A., Bauer, A.M., Karin, B.R., Brennan, I.G., Iskandar, D.T., Das, I., 2023. Genomic analysis of Bornean geckos (Gekkonidae: *Cyrtodactylus*) reveals need for updated taxonomy. *Zool. Scr.* 2023, 1–15.
- Djakaria, I., Guritno, S., Kartiko, S.H. 2010. Visualisasi Data Iris Menggunakan Analisis Komponen Utama dan Analisis Komponen Utama Kernel. *Jurnal Ilmu Dasar.* 11(1)
- Dorit, R. L. 1986. Molecular and morphological variation in Lake Victoria *Haplochromine cichlids* (Perciformes: Cichlidae). *Doctoral dissertation.* Harvard University.
- Drummond, A. J. & Rambaut, A. 2007. BEAST: Bayesian evolutionary analysis by sampling trees. *BMC Evolutionary Biology.* 7: 214.
- Dunn, E.R., 1927. Results of the Douglas Burden Expedition to the Island of Komodo. III. Lizards from the East Indies. *American Museum Novitates* 288, 1–13.
- Ellis M, Pauwels OSG. 2012. The bent-toed geckos (*Cyrtodactylus*) of the caves and karst of Thailand. *Cave Karst Sci.* 39(1):16–22.
- Fauzi, M. A. 2017. Filogeografi Cicak Jari Lengkung (Squamata: Gekkonidae: *Cyrtodactylus*) di Jawa Dan Sumatra berdasarkan Analisis Morfologi dan Molekuler Gen Natrium Dehydrogenase Subunit 4 (ND4). *Skripsi.* Jurusan

Biologi. Fakultas Matematika dan Ilmu Pengetahuan Alam Universitas Brawijaya. Malang.

Fisher, R. A. 1936. The use of multiple measurements in taxonomic problems. *Annals of eugenics*, 7(2), 179-188.

Gray, J. E. 1827. A synopsis of the genera of saurian reptiles, in which some new genera are indicated, and the others reviewed by actual examination. *The Philosophical magazine* Ser. II vol. 2: 56. London: Richard Taylor and Co.

Grismer LL, Wood JPL, Le MD, Quah ESH, Grismer JL. 2020. Evolution of habitat preference in 243 species of Bent-toed geckos (Genus *Cyrtodactylus* Gray, 1827) with a discussion of karst habitat conservation. *Ecol Evol.* 10(24):13717–13730. doi:10.1002/ece3.6961.

Grismer LL, Wood JPL, Tri NV, Murdoch ML. 2015. The systematics and independent evolution of cave ecomorphology in distantly related clades of Bent-toed Geckos (Genus *Cyrtodactylus* Gray, 1827) from the Mekong Delta and islands in the Gulf of Thailand. *Zootaxa.* 3980(1):106–126. doi:10.11646/zootaxa.3980.1.6.

Grismer, L. L., Pawangkhanant, P., Idiiatullina, S. S., Trofimets, A. V., Nazarov, R. A., Suwannapoom, C., & Poyarkov, N. A. (2023). A new species of *Cyrtodactylus* Gray, 1827 (Squamata: Gekkonidae) from the Thai-Malay Peninsula and the independent evolution of cave ecomorphology on opposite sides of the Gulf of Thailand. *Zootaxa*, 5352(1), 109-136.

Grismer, L.L. et al., 2020. Two new species of *Cyrtodactylus* Gray, 1827 (Squamata: Gekkonidae) from a karstic archipelago in the Salween Basin of southern Myanmar (Burma). *Zootaxa*. 4718, pp. 151–183. doi: 10.11646/zootaxa.4718.2.1.

Grismer, L.L., C.K. Onn, J.L. Grismer, P.L. Wood, and D. Belabut (2008). Three new species of *Cyrtodactylus* (Squamata: Gekkonidae) from Peninsular Malaysia. *Zootaxa*, 1921: 1–23.

Grismer, L.L., Chan, K.O., Grismer, J.L., Wood Jr., P.L., Belabut, D. 2008. Three new species of *Cyrtodactylus* (Squamata: Gekkonidae) from Peninsular Malaysia. *Zootaxa* 1921, 1–23.

Grismer, L.L., Wood Jr., P.L., Poyarkov, N.A., Le, M.D., Karunarathna, S., Chomdej, S., Suwannapoom, C., Qi, S., Liu, S., Che, J., Quah, E.S., Kraus, F., Oliver, P.M., Riyanto, A., Pauwels, O.S.G., Grismer, J.L. 2021b. Karstic landscapes are foci of species diversity in the world's third-largest vertebrate genus *Cyrtodactylus* Gray, 1827 (Reptilia: Squamata: Gekkonidae). *Diversity* 13, 183.

Grismer, L.L., Wood Jr., P.L., Poyarkov, N.A., Le, M.D., Kraus, F., Agarwal, I., Oliver, P. M., Nguyen, S.N., Nguyen, T.Q., Karunarathna, S., Welton, L.J., Stuart, B.L., Luu, V. Q., Bauer, A.M., O'Connell, K.A., Quah, E.S.H., Chan, K.O., Ziegler, T., Ngo, H., Nazarov, R.A., Aowphol, A., Chomdej, S., Suwannapoom, C., Siler, C.D., Anuar, S., Tri, N.V., Grismer, J.L. 2021a. Phylogenetic partitioning of the third-largest vertebrate genus in the world,

*Cyrtodactylus* Gray, 1827 (Reptilia; Squamata; Gekkonidae) and its relevance to taxonomy and conservation. *Vert. Zool.* 71, 101–154.

Grismer, L.L., Wood Jr., P.L., Thura, M.K., Zin, T., Quah, E.S., Murdoch, M.L.,

Grismer, M.S., Lin, A., Kyaw, H., Lwin, N. 2018. Twelve new species of *Cyrtodactylus* Gray (Squamata: Gekkonidae) from isolated limestone habitats in east-central and southern Myanmar demonstrate high localized diversity and unprecedented microendemism. *Zool. J. Linn. Soc.* 182, 862–959.

Groot M, Zapponi L, Badano D, Corezzola S, Mason F. 2016. Forest management for invertebrate conservation. *Ital J Agron.* 11(s1):32–37.

Gupta, A., Bhardwaj, A., Sharma, P., & Pal, Y. 2015. Mitochondrial DNA-a tool for phylogenetic and biodiversity search in equines. *Journal of Biodiversity & Endangered Species*, S1:006. doi:10.4172/2332-2543.S1-006

Hall BG. 2013. Building phylogenetic trees from molecular data with MEGA. *Mol Biol Evol* 30 (5): 1229-1235. DOI: 10.1093/molbev/mst012.

Hall, R. 2012. Late Jurassic-Cenozoic reconstructions of the Indonesian region and 45 the Indian Ocean. *Tectonophysics*, p. 570-571, p. 1–41.

Hall, B. G. 1942. Phylogenetic trees made easy: a how-to manual for molecular biologist. *Sinuaer Association Inc.* Sunderland, Massachusetts.

Hall, R., 2012, Late Jurassic-Cenozoic reconstructions of the Indonesian region and the Indian Ocean. *Tectonophysics*, p. 570-571, p. 1-41.

Hamidy, A., & Matsui, M. 2018. Phylogenetic relationships of *Leptobrachium hasseltii*

- Tschudi, 1838 (Amphibia, Anura, Megophryidae)-Detection of a possible cryptic species. *Treubia*, pp. 44, 15–28.
- Harvey, M. B., O’Connell, K. A., Barraza, G., Riyanto, A., Kurniawan, N., & Smith, E. N. 2015. Two new species of *Cyrtodactylus* (Squamata: Gekkonidae) from the southern Bukit Barisan Range of Sumatra and an estimation of their phylogeny. *Zootaxa*, 4020(3), 495-516
- Hebert, P. D., Cywinska, A., Ball, S. L., & DeWaard, J. R. 2003. Biological identifications through DNA barcodes. *Proceedings of the Royal Society of London. Series B: Biological Sciences*, 270(1512), 313-321.
- Helfman, G. S., Collette, B. B., Facey, D. E., & Bowen, B. W. 2009. *The diversity of fishes: biology, evolution, and ecology*. John Wiley & Sons. New York.
- Hikam AM, Mubarakati NJ, Dailami M, Toha AHA. 2021. DNA barcoding in marine invertebrates. *Jurnal Biologi Udayana* 25 (1): 46- 56. DOI: 10.24843/jbiounud.2021.v25.i01.p06. [Indonesian]
- Hubbs, C. L. 1958. Fishes of the Great Lakes region. *Bull. Cranbrook Inst. Sci.*, 26, 1-213.
- Huelsenbeck, J. P. & Ronquist F. R. 2001. MrBayes: Bayesian inference of phylogenetic trees. *Bioinformatics*. 17: 754-755.
- Irwin, D. M., Kocher, T. D., & Wilson, A. C. 1991. Evolution of the *cytochrome b* gene of mammals. *Journal of molecular evolution*, 32, 128-144.
- Jakob EM, Marshall SD, Uetz GW. 1996. Estimating fitness: a comparison of body

condition indices. *Oikos*. 77(1):61–67. doi:10.2307/3545585.

Kaliontzopoulou, A. 2011. Geometric morphometrics in herpetology: modern tools for enhancing the study of morphological variation in amphibians and reptiles. *Basic and Applied Herpetology*, 25, 5-32.

Kanojia D, Dubey A, Kulkarni M, Bhattacharyya P, Haffari G. 2019. Utilizing word embeddings based features for phylogenetic tree generation of sanskrit texts. In: *Proceedings of the 6th International Sanskrit Computational Linguistics Symposium*. IIT Kharagpur, India, October 2019.

Kathriner, Andrew; Aaron M. Bauer, Mark O'shea, Caitlin Sanchez, Hinrich Kaiser. 2014. Hiding in plain sight: a new species of bent-toed gecko (Squamata: Gekkonidae: *Cyrtodactylus*) from West Timor, collected by Malcolm Smith in 1924. *Zootaxa*. 3900 (4): 555–568

Kluge, A. G. (1985). Notes on gekko nomenclature (Sauria: Gekkonidae). *Zoologische Mededelingen*, 59(10), 95-100.

Kocher, O., Gabbiani, F., Gabbiani, G., Reidy, M. A., Cokay, M. S., Peters, H., & Hüttner, I. 1991. Phenotypic features of smooth muscle cells during the evolution of experimental carotid artery intimal thickening. Biochemical and morphologic studies. *Laboratory investigation; a journal of technical methods and pathology*, 65(4), 459-470.

Kotaki, M., Kurabayashi, A., Matsui, M., Kuramoto, M., Djong, T. H., & Sumida, M. 2010. Molecular phylogeny of the diversified frogs of Genus *Fejervarya*

(Anura: Dicroglossidae). *Zoological Science*. 27(5): 386-395.

Kuhl, H. & J. C van Hasselt. 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 Letter-Bode*, Feb. 15, (7): 99-103.

Kumar S, Stecher G, Suleski M, Sanderford M, Sharma S et al. 2024. MEGA12: Molecular Evolutionary Genetic Analysis version 12 for adaptive and green computing. *Molecular Biology and Evolution* 41(12): msae263. <https://doi.org/10.1093/molbev/msae263>

Kusrini M.D. 2008. Pedomam Penelitian dan Survey Amfibi Di Alam. Bogor: Fakultas Kehutanan.

Leary, R. F., Allendorf, F. W., & Knudsen, K. L. 1991. Effects of rearing density on meristics and developmental stability of rainbow trout. *Copeia*, 44-49.

Lemey, P., M. Salemi dan A. Vandamme. 2009. *The phylogenetic handbook - a practical approach to phylogenetic analysis and hypothesis testing*. Cambridge University Press. Cambridge.

Leys, M., Keller, I., Räsänen, K., Gattolliat, J. L., and Robinson, C.T. 2016. Distribution and population genetic variation of cryptic species of the Alpine mayfly *Baetis alpinus* (Ephemeroptera: Baetidae) in the Central Alps. *BMC Ecology and Evolutionary*. 16:77

Lindsey, C. C. 1988. 3 factors controlling meristic variation. *Fish physiology* (Vol. 11, pp. 197-274).

- Losos, J. B. 2011. *Lizards in an evolutionary tree: Ecology and adaptive radiation of anoles* (Vol. 10). Univ of California Press.
- Mazuni. D.A. Adi., S. Syarif. 2014. Karakterisasi Fragmen gen 18S rRNA Pokea (*Batissa violacea* celebensis Martens, 1897) di Sungai Pohara Kecamatan Sampara Kabupaten Konawe. *Biowallacea* 1(1):25–38.
- McHugh, J. L. 1954. The influence of light on the number of vertebrae in the grunion, *Leuresthes tenuis*. *Copeia*, 1954(1), 23-25.
- Mittal B, Chaturvedi P, Tulsyan S. 2013. *Restriction Fragment Length Polymorphism*. In: *Brenner's Encyclopedia of Genetics* (Second Edition). Elsevier, Oxford. DOI: 10.1016/B978-0-12-374984-0.01314-0.
- Mount, D.W. 2001. *Phylogenetic prediction : Bioinformatic, sequence and genome Analysis*. Spring Harbour. New York.
- Munshi, J. 2018. Uncertainty in Empirical Climate Sensitivity Estimates 1850-2017. Available at SSRN 3117385.
- Nashriq, I., Chan, K.O., Bauer, A.M., 2021. Genetically diverse yet morphologically conserved: hidden diversity revealed among Bornean geckos (Gekkonidae: *Cyrtodactylus*). *J. Zool. Syst. Evol. Res.* 59, 1113–1135.
- Nei, M. & S. Kumar. 2000. *Molecular evolution and phylogenetics*. Oxford University Press. New York.
- Nguyen, L. T., Schmidt, H. A., Von Haeseler, A., & Minh, B. Q. 2015. IQ-TREE: a fast and effective stochastic algorithm for estimating maximum- likelihood

- phylogenies. *Molecular biology and evolution*, 32(1), 268-274.
- Nitta, J. H., & O'Grady, P. M. 2008. Mitochondrial phylogeny of the endemic *Hawaiian craneflies* (Diptera, Limoniidae, Dicranomyia): Implications for biogeography and species formation. *Molecular Phylogenetics and Evolution*, 46(3), 1182-1190.
- Nugraha FAD, Ahda Y, Tjong DH, Kurniawan N, Riyanto A, Fauzi MA, Lin S-M 2023. Common but ignored: a new species of *Cyrtodactylus* (Chordata, Reptilia, Squamata, Gekkonidae) from lowland Sumatra Barat, Indonesia. *ZooKeys* 1169: 47–64.
- O'Connell, K.A., Smart, U., Sidik, I., Riyanto, A., Kurniawan, N., Smith, E.N., 2019. Diversification of bent-toed geckos (*Cyrtodactylus*) on Sumatra and West Java. *Mol. Phylogenet. Evol.* 134, 1–11.
- Oaks, J.R., Siler, C.D., Brown, R.M., 2019. The comparative biogeography of Philippine geckos challenges predictions from a paradigm of climate-driven vicariant diversification across an island archipelago. *Evolution* 73, 1151–1167.
- Oliver, P.M., S.J. Richards, M. Mumpuni and H. Rosler. 2016. The Knight " and the King: Two new species of giant bent-toed gecko (*Cyrtodactylus*, Gekkonidae, Squamata) from northern New Guinea, with comments on endemism in the North Papuan Mountains. *ZooKeys* 562:105–130.
- Oliver, P.M., Skipwith, P., Lee, M.S.Y., 2014. Crossing the line: increasing body size in a trans-Wallacean lizard radiation (*Cyrtodactylus*, Gekkota). *Biol. Lett.* 10,

20140479.

Oliver, P.M., Travers, S.L., Richmond, J.Q., Pikacha, P., Fisher, R.N., 2018. At the end of the line: independent overwater colonizations of the Solomon Islands by a hyperdiverse trans-Wallacean lizard lineage (*Cyrtodactylus*: Gekkota: Squamata). *Zool. J. Linn. Soc.* 182, 681–694.

Rambaut, A. 2019. FigTree v 1.4.4. (<http://tree.bio.ed.ac.uk/software/figtree/>) [Online].

Di akses pada 22 April 2025.

Ronquist F, Teslenko M, van der Mark P, Ayres DL, Darling A, Höhna S, Larget B, Liu L, Suchard MA, Huelsenbeck JP. 2012. MrBayes 3.2: efficient Bayesian phylogenetic inference and model choice across a large model space. *Syst Biol.* 61:539–542.

Ran K, Li Q, Qi L, Li W, Kong L. 2020. DNA barcoding for identification of marine gastropod species from Hainan Island, China. *Fish Res* 225: 105504. DOI: 10.1016/j.fishres.2020.105504

Ravi, I., M. Baunthiyal, & J. Saxena. 2014. *Advances in Biotechnology*. New Dehli: Springer

Reilly, S.B., Stubbs, A.L., Karin, B.R., Bi, K., Arida, E., Iskandar, D.T., McGuire, J.A., 2019. Leap-frog dispersal and mitochondrial introgression: phylogenomics and biogeography of *Limnonectes* fanged frogs in the Lesser Sundas Archipelago of Wallacea. *J. Biogeogr.* 46, 757–769.

Reilly, S. B., Stubbs, A. L., Karin, B. R., Arida, E., Arifin, U., Hamidy, A., ... &

- McGuire, J. A. 2023. Bewildering biogeography: waves of dispersal and diversification across southern Wallacea by bent-toed geckos (genus: *Cyrtodactylus*). *Molecular Phylogenetics and Evolution*, 107853.
- Reilly, S.B., Stubbs, A.L., Arida, E., Karin, B.R., Arifin, U., Kaiser, H., Bi, K., Iskandar, D. T., McGuire, J.A., 2022a. Phylogenomic analysis reveals dispersal-driven speciation and divergence with gene flow in Lesser Sunda flying lizards (genus *Draco*). *Syst. Biol.* 71, 221–241. <https://doi.org/10.1093/sysbio/syab043>.
- Reilly, S.B., Karin, B.R., Stubbs, A.L., Arida, E., Arifin, U., Kaiser, H., Bi, K., Hamidy, A., Iskandar, D.T., McGuire, J.A., 2022c. Diverge and conquer: phylogenomics of southern Wallacean forest skinks (genus *Sphenomorphus*) and their colonization of the Lesser Sunda Archipelago. *Evolution* 76, 2281–2301.
- Revell LJ, Johnson MA, Schulte JA, Kolbe JJ, Losos JB. 2007. A phylogenetic test for adaptive convergence in rock-dwelling lizards. *Evolution*. 61(12):2898–2912. doi:10.1111/j.1558-5646.2007.00225.x.
- Riedel, J., Grismer, L. L., Higham, T., Wu, J., Do, Q. H., Nguyen, T. Q., ... & Rödder, D. (2024). Ecomorphology of the locomotor apparatus in the genus *Cyrtodactylus* (Gekkota, Squamata). *Evolutionary Biology*, 51(1), 106-123.
- Riyanto, A., Fauzi, M. A., Sidik, I., Irham, M., Kurniawan, N., Ota, H., Grismer, L. L. 2021. Another New Bent-toed Gecko, genus *Cyrtodactylus* Gray 1837 (Squamata: Gekkonidae), from Borneo. *Zootaxa* 5026 (2): 286-300
- Riyanto, A., L.L. Grismer, and P.L. Wood Jr (2015a). *Cyrtodactylus rosichonariefi* sp.

- nov. (Squamata: Gekkonidae), a new swampdwelling bent-toed gecko from Bunguran Island (Great Natuna), Indonesia. *Zootaxa*, 3964 (1): 114–124 [erratum in *Zootaxa* 3999 (4): 600]
- Riyanto, A., Mulyadi, Mcguire, J. A., Kusrini, M. D., Febylasmia, F., Basyir, I. H., & Kaiser, H. 2017. A new small bent-toed gecko of the genus *Cyrtodactylus* (Squamata: Gekkonidae) from the lower slopes of Mount Tambora, Sumbawa Island, Indonesia. *Zootaxa*, 4242(3), 517-528.
- Riyanto, Awal; Aaron M. Bauer & Donan Satria Yudha. 2014. A new small karst-dwelling species of *Cyrtodactylus* (Reptilia: Squamata: Gekkonidae) from Java, Indonesia. *Zootaxa*. 3785 (4): 589–599
- Riyanto, Awal; Amir Hamidy, Jimmy A. Mcguire. 2018. A New Bent-toed Gecko (*Cyrtodactylus*: Squamata: Gekkonidae) from the Island of Tanahjampea, South Sulawesi, Indonesia. *Zootaxa*. 4442 (1): 122–136
- Riyanto, Awal; Evy Arida & André Koch. 2018. *Cyrtodactylus tahuna* sp. nov., a new bent-toed gecko (Reptilia: Squamata: Gekkonidae) from Sangihe Island, North Sulawesi, Indonesia. *Zootaxa*. 4399 (2): 220–232
- Riyanto, Awal; Fata H. Faz, A.A. Thasun Amarasinghe, Misbahul Munir, Yuli S. Fitriana, Amir Hamidy, Mirza D. Kusrini & Paul M. Oliver 2022. A New Bent-Toed Gecko of the *Cyrtodactylus marmoratus* Group (Reptilia: Gekkonidae) from Obi Island, Indonesia. *Herpetologica* 78(1): 30–39.
- Riyanto, Awal; Hellen Kurniati, Andrew Engilis, JR. 2016. A new Bent-toed gecko

(Squamata: Gekkonidae) from the Mekongga Mountains, South East Sulawesi, Indonesia. *Zootaxa*. 4109 (1): 059-072

Riyanto, Awal; L. Lee Grismer & Perry L. Wood, Jr. 2015b. *Cyrtodactylus rosichonariefi* sp. nov. (Squamata: Gekkonidae), a new swamp-dwelling bent-toed gecko from Bunguran Island (Great Natuna), Indonesia. *Zootaxa* 3964 (1): 114–124 [erratum in *Zootaxa* 3999 (4): 600]

Riyanto, Awal; L. Lee Grismer, Perry L. Jr. Wood. 2015a. The fourth Bent-toed Gecko of the genus *Cyrtodactylus* (Squamata: Gekkonidae) from Java, Indonesia. *Zootaxa*. 4059 (2): 351–363

Riyanto, Awal; Mulyadi Mulyadi, Jimmy A. Mcguire, Mirza D. Kusri, Febylasmia Febylasmia, Irfan Haidar Basyir, Hinrich Kaiser 2017. A new small bent-toed gecko of the genus *Cyrtodactylus* (Squamata: Gekkonidae) from the lower slopes of Mount Tambora, Sumbawa Island, Indonesia. *Zootaxa* 4242 (3): 517-528

Ronquist, F. & J. P. Huelsenbeck. 2003. MrBayes v3.2.7: Bayesian phylogenetic inference under mixed models. *Bioinformatics*. 19(12): 1572–1574.

Ross JGB, Newman C, Buesching CD, Connolly E, Nakagawa S, Macdonald DW. 2021. A fat chance of survival: body condition provides life-history dependent buffering of environmental change in a wild mammal population. *Clim Change Ecol*. 2:100022. doi:10.1016/j.ecochg.2021.100022.

Roth, V. L., & Mercer, J. M. 2000. Morphometrics in development and

evolution. *American zoologist*, 40(5), 801-810.

Satyana, A. H. 2012. Bali–Lombok Gap: A Distinct Geo-Biologic Border of the Wallace Line. *Berita Sedimentologi*, 25(1), 5-7.

Schlegel, H., 1827. Erpetologische Nachrichten.— *Isis von Oken*, March, 20: 281-294

Siler, C.D., Oaks, J.R., Esselstyn, J.A., Diesmos, A.C., Brown, R.M., 2010. Phylogeny and biogeography of Philippine bent-toed geckos (Gekkonidae: *Cyrtodactylus*) contradict a prevailing model of Pleistocene diversification. *Mol. Phylogenet. Evol.* 55, 699–710.

Simões, T. R., Kammerer, C. F., Caldwell, M. W., & Pierce, S. E. 2022. Successive climate crises in the deep past drove the early evolution and radiation of reptiles. *Science Advances*, 8(33), eabq1898.

Sornoza-Molina, F., Freile, J. F., Nilsson, J., Krabbe, N., & Bonaccorso, E. 2018. A striking, critically endangered, new species of hillstar (Trochilidae: *Oreotrochilus*) from the southwestern Andes of Ecuador. *The Auk: Ornithological Advances*, 135(4), 1146-1171.

Studer M. 2021. Validating sequence analysis typologies using parametric bootstrap. *Sociol Methodol* 51 (2): 290–318. DOI: 10.1177/00811750211014232.

Stuen OH, Spidsø TK. 1988. Invertebrate abundance in different forest habitats as animal food available to capercaillie *Tetrao urogallus* chicks. *Scand J For Res.* 3(1–4):527–532. doi:10.1080/ 02827588809382537.

Sundberg, Per. 1989. Phylogeny and Cladistic Classification Of The

Paramonostiliferous Family Plectonemertidae (Phylum Nemertea). *Cladistics*. 5: 87-100.

Swain, D. P., Hutchings, J. A., & Foote, C. J. 2005. Environmental and genetic influences on stock identification characters. *Stock identification methods* (pp. 45-85)

Tallowin, O.J., Tamar, K., Meiri, S., Allison, A., Kraus, F., Richards, S.J., Oliver, P.M., 2018. Early insularity and subsequent mountain uplift were complementary drivers of diversification in a Melanesian lizard radiation (Gekkonidae: *Cyrtodactylus*). *Mol. Phylogenet. Evol.* 125, 29–39.

Tanabe, A. S. 2007. Kakusan: A computer program to automate the selection of a nucleotide substitution model and the configuration of a mixed model on multilocus data. *Mol. Ecol. Notes*. 7: 962-964.

Tjandra L. 2012. Analisis Filogenetik *Bufo melanostictus*, Schneider, 1799 dan *Bufo asper*, Gravenhorst, 1829 (Bufonidae) Sumatera Barat dan Kawasan Asia dengan Gen 16s Rrna dan Sitokrom b. *Tesis*. Fakultas Matematika dan Ilmu Pengetahuan Alam, Institut Pertanian Bogor.

Trail, P. W. 2021. Morphological analysis: A powerful tool in wildlife forensic biology. *Forensic Science International: Animals and Environments*, 1, 100025.

Trontelj, P and Ficer, C. 2009. Perspectives: Cryptic species diversity should not be trivialised. *Systematics and Biodiversity*. 7: 1-3.

- Twindiko AFS, Wijayanti DP, Ambariyanto A. 2013. Phylogenetic study of coral fish genus *Pseudochromis* and *Pictichromis* in Indo-Pacific waters. *Buloma: Buletin Oseanografi Marina* 2 (3): 29-37. DOI: 10.14710/buloma.v2i3.6948. [Indonesian]
- Uetz, P. et al., 2024. 'Diversity of the genus *Cyrtodactylus*', in Reptile Database, from [http:// www.reptile-database.org](http://www.reptile-database.org). Diakses pada 15 Januari 2024.
- Van Oosterzee, P., 1997, *Where Worlds Collide - the Wallace Line*. Cornell University Press, Ithaca.
- Vladykov, V. D. 1934. Environmental and taxonomic characters of fishes. *Trans. Roy. Can. Inst.*, 20, 99-140.
- Wagler, J., 1830. *Natürliches System der Amphibien*. München.
- Weber, M. 1890. Reptilia from the Malay Archipelago. I. Sauria, Crocodylidae, Chelonia. *Zoologische Ergebnisse einer Reise in Niederländisch Ost-Indien*, 1(2), 159-177.
- Wells, R.W., Wellington, C.R., 1985. A classification of the Amphibia and Reptilia of Australia. *Aust. J. Herpetol.* (Supplement Series) 1, 1–61.
- Wiens, J. J., & C. H. Graham. 2005. Niche conservatism: integrating evolution, ecology, and conservation biology. *Annual Review of Ecology, Evolution, and Systematics*. 36: 519–539.
- Wilder SM, Raubenheimer D, Simpson SJ. 2016. Moving beyond body condition indices as an estimate of fitness in ecological and evolutionary studies. *Funct*

Ecol. 30(1):108–115. doi:10. 1111/1365-2435.12460.

Wood Jr., P.L., Heinicke, M.P., Jackman, T.R., Bauer, A.M., 2012. Phylogeny of bent-toed geckos (*Cyrtodactylus*) reveals a west to east pattern of diversification.

*Mol. Phylogenet. Evol.* 65, 992–1003.

<https://doi.org/10.1016/j.ympev.2012.08.025>.

Youmans, T.M., Grismer, L.L., 2006. A new species of *Cyrtodactylus* (Reptilia: Squamata: Gekkonidae) from the Seribuat Archipelago, West Malaysia.

*Herpetol. Nat. Hist.* 10, 61–70.

Zeng, Z. G., Bi, J. H., Li, S. R., Chen, S. Y., Pike, D. A., Gao, Y., & Du, W. G. 2014.

Effects of habitat alteration on lizard community and food web structure in a desert steppe ecosystem. *Biological Conservation*, 179, 86-92.

Zhang, X., J Cui, T. Wei, L.Y. Li, J. Jiang. P. Liu, dan Z.Q. Wang. 2014. Survey and genetic variation of *Spirometra erinaceieuropaei* Sprgranum in frogs and snakes of Guangxi of Southern China. *Tropical Biomedicine* 31(4): 860-870.

Zheng, Y., & Wiens, J. J. 2016. Combining phylogenomic and supermatrix approaches, and a time-calibrated phylogeny for squamate reptiles (lizards and snakes) based on 52 genes and 4162 species. *Molecular phylogenetics and evolution*, 94, 537-547.