

Renny Kurnia Hadiaty (1960–2019)

Lynne R. Parenti¹ and Daisy Wowor²

RENNY KURNIA HADIATY was a leading international expert on the systematics of the freshwater fishes of Southeast Asia, especially those from her home country of Indonesia. For over three decades, she conducted research as a systematic ichthyologist at the Indonesian Institute of Sciences (LIPI) Research Center for Biology, which since the mid-1990s has been based in Cibinong, Java. As Head of the Ichthyology Laboratory and the Curator of the Fish Collection of the Museum Zoologicum Bogoriense (MZB), she oversaw the collection of freshwater fishes that had once been housed in the historic Bogor Botanical Garden in Bogor, Java.

Renny was born in Malang, East Java, on August 21, 1960. She received her undergraduate degree in biology in 1985 from The University of General Soedirman, Purwokerto, Central Java. In 1986, she joined the MZB. From that position she began her scientific studies of fish biodiversity throughout Indonesia.

DW recounts development of her close association with Renny:

“I met Renny when she just joined the Research Center for Biology, Indonesian Institute of Sciences, in 1986. At that time, as a freshly graduated Biology major, she didn’t know how to identify fishes. However, she was an eager and fast learner, so it was not difficult for me to teach her how to identify fishes using the volumes of Weber & de Beaufort, although English text was not easy for her at the beginning.

She learned fish taxonomy from Darrel J. Siebert (Natural History Museum of London, UK) when he visited Bogor in 1998. This intensive short course resulted in the publication of her first taxonomic paper (Hadiaty and Siebert, 1998) describing two new fish species from north-western Sumatra. After that, Renny broadened her horizons by developing good, strong scientific collaborations with national and international ichthyologists.

Renny was hard-working and had a pleasant personality. She was easy to work with. Renny and I were involved in many fieldtrips together, about 30 excursions between 2006 until August 2018. About a month after our last fieldtrip, she took a long sick leave. Renny was one of my best colleagues and friends. I miss her.”

Renny was a collections-based field biologist. She was fearless in the field, leading or joining expeditions that took her throughout the Indonesian archipelago, from Sumatra to New Guinea. She was kind and had a delightful sense of humor. She was practical and facilitated field research with a

natural ease: on a field trip in 2010 to Sulawesi, she obtained formalin and ethanol from a colleague at a local university. She was a skilled photographer and set up photo tanks in her hotel room in the evening following a day of collecting. Live fishes were placed in small tanks with some native vegetation and rocks to show each species in its best light in a modest recreation of natural habitat.

Renny was principal founder of the Masyarakat Ikhtologi Indonesia (Indonesian Ichthyological Society), a professional ichthyological organization. She served as its Vice Chair of Central Management. The Society organizes regular national seminars and convenes a national congress on fishes. The Society also publishes the *Jurnal Ikhtologi Indonesia*. Proceedings of the sixth national seminar and third congress were published in an edited volume (Siman-



Fig. 1. Renny Hadiaty showing her new cabinet dedicated to type specimens at the MZB, 2010. Photo by L. R. Parenti.

¹ Division of Fishes, NHB MRC 159, PO Box 37012, National Museum of Natural History, Smithsonian Institution, Washington, D.C. 20013-7012; Email: parentil@si.edu.

² Division of Zoology, Research Center for Biology, Indonesian Institute of Sciences (LIPI), Jalan Raya Jakarta Bogor Km 46, Cibinong 16911, Indonesia; Email: daisy_wowor@yahoo.com.



Fig. 2. Daniel Lumbantobing, Sopian Sauri, and Renny Hadiaty, on field trip to Sulawesi Tenggara, 2010. Photo by L. R. Parenti.

juntak et al., 2011). Most of the papers were in Bahasa Indonesia, with just one in English. Renny was proud of the high-quality scholarship of the proceedings yet acknowledged that publications in English would reach a wider audience. She planned a new English-language journal, *Tropical Ichthyology Journal*, and had started to assemble an editorial board. She published in Bahasa Indonesia as well as English and French; we list her principal English and French publications, below. She was especially proud of descriptions of new fish species that highlighted the extraordinary natural biodiversity of Indonesia. One of her aims was to influence the sustainable use of fishes in Indonesia and thereby minimize the risk of their extinction.

Renny was a curious, engaged, and productive scientist who maintained a strong network of international collaborators (see Allen, 2019). She traveled to major museums in the U.S. and Europe, examining type specimens and broader collections. She persuaded her many colleagues to deposit type specimens in the MZB. Colleagues named three new species of fishes from Indonesia in her honor: *Oryzias hadiatyae* Herder and Chapuis, 2010, a freshwater ricefish from Sulawesi; *Paracheilinus rennyae* Allen, Erdmann, and Yusmalinda, 2013, a marine wrasse from Flores; and *Platygobiopsis hadiatyae* Larson, Jaafar, Tan, and Peristiwady, 2020, a deep-sea gobiid from southern Java. There was no limit to her enthusiasm, dedication, and curiosity. On an extended visit to the National Museum of Natural History, Washington, D.C., in 2006, she was intrigued by the comparative osteology of nemacheilin loaches she could observe by dissecting cleared and stained specimens. In 2014, she was awarded her D.Sc. from The University of the Ryukyus, Japan.

Renny died of cancer on January 30, 2019, at age 59. She cherished her family—husband Elistyo Sritaman, sons Arief Aditya Hutama and Muhammad Baiquni Bramantyo, and daughter Rani Puri Permata—all of whom survive her.

We mourn her loss and remain inspired by her optimism.

LITERATURE CITED

Allen, G. R. 2019. In Memoriam Dr. Renny K. Hadiaty (1960–2019). *Aqua*, International Journal of Ichthyology 25:84.

Allen, G. R., M. V. Erdmann, and N. L. A. Yusmalinda. 2013. *Paracheilinus rennyae*, a new species of flasherwrasse (Perciformes: Labridae) from Southern Indonesia. *Aqua*, International Journal of Ichthyology 19:193–206.

Hadiaty, R. K., and D. J. Siebert. 1998. Two new species of *Osteochilus* (Teleostei: Cyprinidae) from Sungai Lembang, Sungai Balimbing Research Station, Gunung Leuser National Park, Aceh, Northwestern Sumatra. *Revue Française d'Aquariologie, Herpétologie* 25:1–4.

Herder, F., and S. Chapuis. 2010. *Oryzias hadiatyae*, a new species of ricefish (Atherinomorpha: Beloniformes: Adrianiichthyidae) endemic to Lake Masapi, Central Sulawesi, Indonesia. *The Raffles Bulletin of Zoology* 58:269–280.

Larson, H. K., Z. Jaafar, H. H. Tan, and T. Peristiwady. 2020. *Platygobiopsis hadiatyae*, a new species of deepwater gobiid from Indonesia (Teleostei, Gobiidae, Gobiinae). *The Raffles Bulletin of Zoology* 68:14–18.

Simanjuntak, C. P. H., A. Zahid, M. F. Rahardjo, R. K. Hadiaty, Krismono, Haryono, and A. H. Tjakrawidjaja (Eds.). 2011. *Prosiding Seminar Nasional Ikan VI & Kongres Masyarakat Iktiologi Indonesia III* (Proceedings of the VIth National Seminar and 3rd Congress of the Indonesian Society of Ichthyologists). Masyarakat Iktiologi Indonesia (Indonesian Society of Ichthyologists), Cibinong.

SCIENTIFIC PUBLICATIONS OF RENNY KURNIA HADIATY (ENGLISH AND FRENCH)

Hadiaty, R. K., and D. J. Siebert. 1998. Two new species of *Osteochilus* (Teleostei: Cyprinidae) from Sungai Lembang, Sungai Balimbing Research Station, Gunung Leuser National Park, Aceh, Northwestern Sumatra. *Revue Française d'Aquariologie, Herpétologie* 25:1–4.

Pouyaud, L., S. Wirjoatmodjo, I. Rachmatika, A. H. Tjakrawidjaja, R. K. Hadiaty, and W. Hadie. 1999. Une nouvelle espèce de coelacanth. Preuves génétiques et morphologiques. *Comptes Rendus de l'Académie des Sciences. Série 3, Sciences de la Vie*. No. 322:261–267.

Hadiaty, R. K., and D. J. Siebert. 2001. *Nemacheilus tuborigum*: a new species of loach (Teleostei: Balitoridae) from Aceh, Northwestern Sumatra, Indonesia. *Bulletin of the Natural History Museum London (Zoology)* 67:183–189.

Ng, H. H., S. Wirjoatmodjo, and R. K. Hadiaty. 2001. *Mystus punctifer*: a new species of bagrid catfish (Teleostei: Siluriformes) from northern Sumatra. *The Raffles Bulletin of Zoology* 49:355–358.

Ng, H. H., S. Wirjoatmodjo, and R. K. Hadiaty. 2001. *Hemibagrus caveatus*: a new species of bagrid catfish (Teleostei: Siluriformes) from northern Sumatra. *The Raffles Bulletin of Zoology* 49:359–361.

Ng, H. H., S. Wirjoatmodjo, and R. K. Hadiaty. 2004. *Kryptopterus piperatus*: a new species of silurid catfish (Teleostei: Siluriformes) from northern Sumatra. *Ichthyological Exploration of Freshwaters* 15:91–95.

Ng, H. H., and R. K. Hadiaty. 2005. Two new bagrid catfishes (Teleostei: Bagridae) from Alas River drainage, Northern Sumatra. *Ichthyological Exploration of Freshwaters* 16:83–92.

Page, L. M., R. K. Hadiaty, J. A. López, I. Rachmatika, and R. H. Robins. 2007. Two new species of the *Akysis variegatus* species group (Siluriformes: Akysidae) from

- southern Sumatra and a redescription of *Akysis variegatus* Bleeker, 1846. *Copeia* 2007:292–303.
- Allen, G. R., P. J. Unmack, and R. K. Hadiaty. 2008. Two new species of rainbowfishes (*Melanotaenia*: Melanotaeniidae) from western New Guinea (Papua Barat Province, Indonesia). *Aqua, International Journal of Ichthyology* 14: 209–224.
- Ng, H. H., and R. K. Hadiaty. 2008. *Glyptothorax plectilis*: a new species of hillstream catfish from Northern Sumatra (Teleostei: Sisoridae). *Proceedings of the Academy of Natural Sciences of Philadelphia* 157:137–147.
- Thomson, A. W., J. A. López, R. K. Hadiaty, and L. M. Page. 2008. A new species of *Nanobagrus* (Teleostei: Bagridae) from southern Sumatra. *Proceedings of the Academy of Natural Sciences of Philadelphia* 157:62–72.
- Hadiaty, R. K., and M. Kottelat. 2009. *Pangio lidi*: a new species of loach from eastern Borneo, Indonesia (Teleostei: Cobitidae). *Zootaxa* 2171:65–68.
- Hadiaty, R. K., and M. Kottelat. 2009. *Rasbora lacrimula*: a new species of cyprinid fish from eastern Borneo (Teleostei: Cyprinidae). *Ichthyological Exploration of Freshwaters* 20: 105–109.
- Hadiaty, R. K., and M. Kottelat. 2009. *Nemacheilus tebo*: a new loach from Sangkulirang karst, east Kalimantan, Indonesia (Teleostei: Nemacheilidae). *The Raffles Bulletin of Zoology* 57:119–125.
- Ng, H. H., and R. K. Hadiaty. 2009. *Glyptothorax ketambe*: a new catfish from northern Sumatra (Teleostei: Sisoridae). *Zootaxa* 2085:61–68.
- Ng, H. H., and R. K. Hadiaty. 2009. *Ompok brevirectus*: a new catfish (Teleostei: Siluridae) from Sumatra. *Zootaxa* 2232: 50–60.
- Nielsen, J. G., W. Schwarzans, and R. K. Hadiaty. 2009. A blind, new species of *Diancistrus* (Teleostei, Bythitidae) from three caves on Muna Island, southeast of Sulawesi, Indonesia. *Cybum* 33:241–245.
- Hadiaty, R. K., and M. Kottelat. 2010. *Nemacheilus marang*: a new loach (Teleostei: Nemacheilidae) from Sangkulirang karst, eastern Borneo. *Zootaxa* 2557:39–48.
- Parenti, L. R., and R. K. Hadiaty. 2010. A new remarkably colorful small ricefish of the genus *Oryzias* (Beloniformes, Adrianichthyidae) from Sulawesi, Indonesia. *Copeia* 2010: 268–273.
- Allen, G. R., and R. K. Hadiaty. 2011. A new species of rainbowfish (Melanotaeniidae) from Western New Guinea. *Fishes of Sahul, Journal of the Australia New Guinea Fishes Association* 25:601–607.
- Hadiaty, R. K., and G. R. Allen. 2011. *Glossamia arguni*: a new species of freshwater cardinalfish (Apogonidae) from West Papua Province, Indonesia. *Aqua, International Journal of Ichthyology* 17:173–180.
- Keith, P., G. Allen, C. Lord, and R. K. Hadiaty. 2011. Five new species of *Sicyopterus* (Gobioidei: Sicydiinae) from Papua New Guinea and Papua. *Cybum* 35:299–318.
- Ng, H. H., and R. K. Hadiaty. 2011. *Clarias microspilus*: a new walking catfish (Teleostei: Clariidae) from northern Sumatra, Indonesia. *Journal of Threatened Taxa* 3:1577–1584.
- Herder, F., R. K. Hadiaty, and A. Nolte. 2012. Pelvic-fin brooding in a new species of riverine ricefish (Atherinomorpha: Beloniformes: Adrianichthyidae) from Tana Toraja, central Sulawesi, Indonesia. *The Raffles Bulletin of Zoology* 60:467–476.
- Kadariusman, R. K. Hadiaty, G. Segura, G. Setiawibawa, D. Caruso, and L. Pouyaud. 2012. Four new species of rainbowfishes (Melanotaeniidae) from Arguni Bay, West Papua, Indonesia. *Cybum* 36:362–382.
- Keith, P., R. K. Hadiaty, and C. Lord. 2012. A new species of *Belobranchus* (Teleostei: Gobioidei: Eleotridae) from Indonesia. *Cybum* 36:479–484.
- Pouyaud, L., Kadariusman, R. K. Hadiaty, J. Slembrouk, N. Lemauk, R. V. Kusumah, and P. Keith. 2012. *Oxyeleotris colasi* (Teleostei: Eleotridae): a new blind cave fish from Lengguru in West Papua, Indonesia. *Cybum* 36:521–529.
- Vari, R. P., and R. K. Hadiaty. 2012. The endemic Sulawesi fish genus *Lagusia* (Teleostei: Terapontidae). *The Raffles Bulletin of Zoology* 60:157–162.
- Allen, G. R., and R. K. Hadiaty. 2013. *Melanotaenia sneideri*: a new species of rainbowfish (Melanotaeniidae) from West Papua Province, Indonesia. *Aqua, International Journal of Ichthyology* 19:137–146.
- Parenti, L. R., R. K. Hadiaty, D. Lumbantobing, and F. Herder. 2013. Discovery and description of two new ricefishes of the genus *Oryzias* (Atherinomorpha, Beloniformes, Adrianichthyidae) augments the endemic freshwater fish fauna of southeastern Sulawesi, Indonesia. *Copeia* 2013:403–414.
- Allen, G. R., and R. K. Hadiaty. 2014. Two new species of freshwater gudgeons (Eleotridae: *Mogurnda*) from the Arguni Bay Region of West Papua, Indonesia. *Aqua, International Journal of Ichthyology* 20:97–110.
- Allen, G. R., R. K. Hadiaty, and P. K. Unmack. 2014. *Melanotaenia flavipinnis*: a new species of rainbowfish (Melanotaeniidae) from Misool Island, West Papua Province, Indonesia. *Aqua, International Journal of Ichthyology* 20:35–52.
- Allen, G. R., P. J. Unmack, and R. K. Hadiaty. 2014. Three new species of rainbowfishes (Melanotaeniidae) from the Birds Head Peninsula, West Papua Province, Indonesia. *Aqua, International Journal of Ichthyology* 20:139–158.
- Huylebrouck, J., R. K. Hadiaty, and F. Herder. 2014. Two new species of viviparous halfbeaks (Atherinomorpha: Beloniformes: Zenarchopteridae) endemic to Sulawesi Tenggara, Indonesia. *The Raffles Bulletin of Zoology* 62: 200–209.
- Keith, P., and R. K. Hadiaty. 2014. *Stiphodon annieae*: a new species of freshwater goby from Indonesia (Gobiidae). *Cybum* 38:267–272.
- Keith, P., R. K. Hadiaty, F. Busson, and N. Hubert. 2014. A new species of *Sicyopus* (Gobiidae) from Java and Bali. *Cybum* 38:173–178.
- Keith, P., R. K. Hadiaty, N. Hubert, F. Busson, and C. Lord. 2014. Three new species of *Lentipes* from Indonesia. *Cybum* 38:133–146.
- Larson, H. K., M. F. Geiger, R. K. Hadiaty, and F. Herder. 2014. *Mugilogobius hitam*: a new species of freshwater goby (Teleostei: Gobioidei: Gobiidae) from Lake Towuti, Central Sulawesi, Indonesia. *The Raffles Bulletin of Zoology* 62: 718–725.
- Allen, G. R., R. K. Hadiaty, P. J. Unmack, and M. V. Erdmann. 2015. Rainbowfishes (*Melanotaenia*: Melanotaeniidae) of the Aru Islands, Indonesia, with description of five new species and redescription of *M. patoti* Weber and *M. senkenbergianus* Weber. *Aqua, International Journal of Ichthyology* 21:66–108.

- Allen, G. R., P. J. Unmack, and R. K. Hadiaty. 2015. *Melanotaenia rubrivittata*: a new species of rainbowfish (Melanotaeniidae) from northwestern Papua Province, Indonesia. *Fishes of Sahul, Journal of the Australia New Guinea Fishes Association* 29:846–858.
- Graf, J. A., F. Herder, and R. K. Hadiaty. 2015. A new species of rainbowfish (Melanotaeniidae), *Melanotaenia garylangei*, from western New Guinea (Papua Province, Indonesia). *Fishes of Sahul, Journal of the Australia New Guinea Fishes Association* 29:870–881.
- Hoese, D. F., R. K. Hadiaty, and F. Herder. 2015. Review of the dwarf *Glossogobius* lacking head pores from the Malili Lakes, Sulawesi, with a discussion of the definition of the genus. *The Raffles Bulletin of Zoology* 63:14–26.
- Keith, P., F. Busson, S. Sauri, N. Hubert, and R. Hadiaty. 2015. A new *Stiphodon* (Gobiidae) from Indonesia. *Cybium* 39:219–225.
- Keith, P., C. Lord, F. Busson, S. Sauri, N. Hubert, and R. K. Hadiaty. 2015. A new species of *Sicyopterus* (Gobiidae) from Indonesia. *Cybium* 39:243–248.
- Ng, H. H., R. K. Hadiaty, J. G. Lundberg, and K. R. Luckenbill. 2015. A new genus and species of bagrid catfish from northern Sumatra (Siluriformes: Bagridae). *Proceedings of the Academy of Natural Sciences of Philadelphia* 164:149–157.
- Nugraha, M. F. I., Kadarusman, N. Hubert, J.-C. Avarre, R. K. Hadiaty, J. Slembrouck, O. Carman, Sudarto, R. Ogistira, and L. Pouyaud. 2015. Eight new species of rainbowfishes (Melanotaeniidae) from the Birds Head Region, West Papua, Indonesia. *Cybium* 39:99–130.
- Allen, G. R., M. V. Erdmann, and R. K. Hadiaty. 2016. *Acentrogobius limarius*: a new species of goby (Pisces: Gobiidae) from West Papua Province, Indonesia. *Journal of the Ocean Science Foundation* 15:33–40.
- Allen, G. R., P. J. Unmack, and R. K. Hadiaty. 2016. The Goldiei group of rainbowfishes (Melanotaeniidae) from the Birds Neck Region of New Guinea (Papua and West Papua Provinces, Indonesia) with descriptions of five new species and recognition of *Melanotaenia dumasi* Weber. *Aqua, International Journal of Ichthyology* 22:1–31.
- Allen, G. R., P. J. Unmack, and R. K. Hadiaty. 2016. *Pseudomugil luminatus*: a new species of blue-eye (Teleostei: Pseudomugilidae) from southern New Guinea, with notes on *P. gertrudae*. *Fishes of Sahul, Journal of the Australia New Guinea Fisheries Association* 30:950–961.
- Hubert, N., D. N. Lumbantobing, A. Sholihah, H. Dahruddin, E. Delrieu-Trottin, F. Busson, S. Sauri, R. K. Hadiaty, and P. Keith. 2019. Revisiting species boundaries and distribution ranges of *Nemacheilus* spp. (Cypriniformes: Nemacheilidae) and *Rasbora* spp. (Cypriniformes: Cyprinidae) in Java, Bali and Lombok through DNA barcodes: implications for conservation in a biodiversity hotspot. *Conservation Genetics* 20:517–529.
- Kraemer, J., P. Thieme, R. K. Hadiaty, and F. Herder. 2019. Structure of the andropodium of the viviparous halfbeak genus *Nomorhamphus* (Atherinomorpha: Beloniformes: Zenarchopteridae), endemic to Sulawesi, Indonesia. *The Raffles Bulletin of Zoology* 67:247–259.
- Ng, H. H., and R. K. Hadiaty. 2019. *Leiocassis rudicula* (Teleostei: Siluriformes: Bagridae), a new catfish from eastern Borneo. *Zootaxa* 4651:191–200.