

HERU HANDIKA

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119 Foster Hall
 Baton Rouge, LA 70803

EDUCATION

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| PhD | Louisiana State University, Department of Biological Sciences Advisor: Dr. Jacob A. Esselstyn | 2018-now |
| MS | University of Melbourne, Department of Zoology Graduated with distinction Advisor: Dr. Kevin C. Rowe and Dr. Devi M. Stuart-Fox | 2015-2017 |
| BS | Andalas University, Department of Biology Advisor: Dr. Jabang Nurdin and Dr. Rizaldi | 2008-2013 |

UPCOMING MANUSCRIPTS

1. **Handika, H.**, Rowe, K.C., Achmadi, A.S., Swanson, M. T., and Esselstyn, J.A. In Prep. A new species of *Frateromys* from the Northern Peninsula of Sulawesi, Indonesia.
2. **Handika, H.**, and Esselstyn, J.A. In Review. SEGUL: An ultrafast, memory-efficient alignment manipulation and summary tool for phylogenomics. *Molecular Ecology Resources*. Preprint: <https://doi.org/10.22541/au.165167823.30911834/v1>
3. Swanson, M. T., Henson, M. W., **Handika, H.**, Achmadi, A. S., Anita, S., Rowe, K. C., Esselstyn, J. A. In Press. Mycoplasmatataceae dominate microbial community differences between gut regions in mammals with a simple gut architecture. *Journal of Mammalogy*.

PEER-REVIEWED PUBLICATIONS

1. Esselstyn, J.A., Achmadi, A.S., **Handika, H.**, Swanson, M. T., Giarla, T.C. and Rowe, K.C., 2021. Fourteen new, endemic species of shrew (genus *Crocidura*) from Sulawesi reveal a spectacular island radiation. *Bulletin of the American Museum of Natural History*, 454(1), pp.1-108. <https://doi.org/10.1206/0003-0090.454.1.1>
2. **Handika, H.**, Achmadi, A.S., Esselstyn, J.A., and Rowe, K.C. 2021. Molecular and morphological systematics of the *Bunomys* division (Rodentia: Muridae), an endemic radiation on Sulawesi. *Zoologica Scripta* 50(2), pp. 141–154. <https://doi.org/10.1111/zsc.12460>
3. Nations, J.A., Mursyid, A., Busta, R.D., Adrian, S.P., **Handika, H.**, Achmadi, A.S. and Esselstyn, J.A., 2021. The first report of albinism in a Sundaland endemic rodent. *Mammalia*, 1 85(2), pp.168-172. <https://doi.org/10.1515/mammalia-2020-0047>
4. Winterhoff, M.L., Achmadi, A.S., Roycroft, E.J., **Handika, H.**, Putra, R.T.J., Rowe, K.M., Perkins, S.L. and Rowe, K.C., 2020. Native and Introduced Trypanosome Parasites in

- Endemic and Introduced Murine Rodents of Sulawesi. *The Journal of Parasitology*, 106(5), pp.523-536. <https://doi.org/10.1645/19-136>
5. Harapan, T.S., Agung, A.P., **Handika, H.**, Novarino, W., Tjong, D.H. and Tomlinson, K.W., 2020. New records and potential geographic distribution of Elongated Caecilian, *Ichthyophis elongatus* Taylor, 1965 (Amphibia, Gymnophiona, Ichthyophiidae), endemic to West Sumatra, Indonesia. *Check List*, 16(6), pp. 1695-1701. <https://doi.org/10.15560/16.6.1695>
 6. Esselstyn, J.A., Achmadi, A.S., **Handika, H.**, Giarla, T.C. and Rowe, K.C., 2019. A new climbing shrew from Sulawesi highlights the tangled taxonomy of an endemic radiation. *Journal of Mammalogy*, 100(6), pp.1713-1725. <https://doi.org/10.1093/jmammal/gyz077>
 7. Janra, M.N., Noske, R.A., Chornelia, A., **Handika, H.**, Mursyid, A., Agung, A. and Saputra, A., 2018. A second breeding record of Chestnut-naped Forktails *Enicurus ruficapillus* in Sumatra, and observations suggesting females alone incubate. *Kukila*, 21, pp.13-16.
 8. Demos, T.C., Achmadi, A.S., **Handika, H.**, Rowe, K.C. and Esselstyn, J.A., 2017. A new species of shrew (Soricomorpha: Crocidura) from Java, Indonesia: possible character displacement despite interspecific gene flow. *Journal of Mammalogy*, 98(1), pp.183-193. <https://doi.org/10.1093/jmammal/gyw183>
 9. Demos, T.C., Achmadi, A.S., Giarla, T.C., **Handika, H.**, Rowe, K.C. and Esselstyn, J.A., 2016. Local endemism and within-island diversification of shrews illustrate the importance of speciation in building Sundaland mammal diversity. *Molecular ecology*, 25(20), pp.5158-5173. <https://doi.org/10.1111/mec.13820>
 10. Esselstyn, J.A., Achmadi, A.S., **Handika, H.** and Rowe, K.C., 2015. A hog-nosed shrew rat (Rodentia: Muridae) from Sulawesi Island, Indonesia. *Journal of Mammalogy*, 96(5), pp.895-907. <https://doi.org/10.1093/jmammal/gyv093>
 11. **Handika, H.**, Nurdin, J. and Rizaldi. 2013. Small Terrestrial Mammals Community on Mount Singgalang, West Sumatra. *J. Bio. U. A* 2(2), pp.103-109.

HONORS AND AWARDS

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| Grants-in-Aid | 2021 |
| Provided by the American Society of Mammalogists (\$1,500) | |
| Graduate Student Research Award | 2021 |
| Provided by the Society of Systematic Biologists (\$3,000) | |
| Graduate Student Association Award, Louisiana State University | 2019 |
| Awarded to attend a conference in Washington D.C (\$400) | |
| Biodiversity Information Fund for Asia | 2019 |
| Provided by the Global Biodiversity Information Facility | |
| Co-Principal Investigator | |
| Awarded twice (BIFA3_17 and BIFA4_23) (total amount ~\$30,000) | |

International Post Graduate Coursework Award, University of Melbourne 2015
 Awarded to distinguished international students taking coursework program
 Approximately 50 students per year (50% tuition fee remission)

Indonesia Endowment Fund for Education 2015-2017
 Distributed by the Indonesian Ministry of Finance
 Awarded to study overseas.
 Covered tuition, monthly stipends, thesis research, and travel for a conference

Mohammed Bin Zayed Species Conservation Fund 2014 and 2015
 Awarded to conduct scientific research on Sumatra, Indonesia
 Awarded twice (total \$9,500)

Student Creativity Award on Research 2012
 Provided by Indonesian Ministry of Research and Education
 Awarded to conduct scientific research (IDR10,000,000/~\$1,020)

PROFESSIONAL EXPERIENCE

Louisiana State University Museum of Natural Sciences, Mammal Department
 Curatorial Assistant, August 2018-Fall 2020
 Preparation and curation of mammal specimens and their associated data
 Training and mentoring undergraduate students on specimen curation

Museum Victoria, Melbourne, Australia
 Research student, 2015-2017
 Participating in fieldwork and mammal observation across the state of Victoria, Australia
 Involved in mammalian public exhibit showing mammalian specimen preparation for public visitors

Student Association of Indonesian Endowment Fund in Victoria, Australia
 Member, 2015-2017
 Writing guideline to study in Australia for Indonesian students
 Participating in organizing student gathering and seminar for the group member

Student Association on Nature and Conservation
 Permanent member, 2009-now
 Training undergraduate student members on jungle survival, land navigation, search and rescue, and tropical forest ecology
 Led and participating in mountain and cave expeditions across Sumatra, Indonesia
 Led and participating in organizing conservation training and seminar for students, faculties, and public.

TEACHING EXPERIENCE

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| BIOL 4141 | Mammalogy, <i>Louisiana State University, USA</i> | Fall 2021 |
| BIOL 1209 | Introduction to Biology, <i>Louisiana State University, USA</i> | Spring 2021 |

PAB125 Computer Application for Biology, *Andalas University, Indonesia* Fall 2012

WORKSHOP TAUGHT

Introduction to Phylogenetics, *Andalas University, Indonesia* Jan 2012

PRESENTATIONS

Handika, H., Achmadi, A.S., Rowe, Swanson, M. T., K.C, and Esselstyn, J.A. 2021. In situ diversification of Murine Rodents on Sulawesi, Indonesia. Oral presentation. *100th Annual Meeting of the American Society of Mammalogists*, Virtual.

Handika, H., Achmadi, A.S., Esselstyn, J.A., and Rowe, K.C. 2019. In situ diversification of *Bunomys* (Muridae) on the isolated, topographically complex island of Sulawesi, Indonesia. Oral presentation. *99th Annual Meeting of the American Society of Mammalogists*, Washington D.C, USA.

Handika, H., Achmadi, A.S., Esselstyn, J.A., and Rowe, K.C. 2018. The geography of diversification among endemic island rodents on Sulawesi, Indonesia. Oral presentation. *LSU Museum of Natural Science Seminar*, Baton Rouge, USA.

Handika, H., Achmadi, A.S., Esselstyn, J.A., and Rowe, K.C. 2017. Sulawesi after Wallace: multiple murine lineages support within island speciation across the northern peninsula of Sulawesi, Indonesia. Oral presentation. *12th International Mammalogical Congress*, Perth, Australia.

Handika, H. 2017. Cracking Sulawesi Biodiversity Enigma: Veering Indonesian Priorities. Oral presentation. *The 36th Indonesia Forum Postgraduate Roundtable*, Melbourne, Indonesia.

Handika, H., Achmadi, A.S., Esselstyn, J.A., and Rowe, K.C. 2016. Biogeography and Phylogeny of the Two Most Diverse Murid Rodent Genera on Sulawesi, Indonesia. Oral presentation. *96th Annual Meeting of the American Society of Mammalogists*, Washington D.C, USA.

PEER REVIEWS

Journal of Ecology and Evolution (1), Journal of Mammalogy (1), Biodiversitas Journal of Biological Diversity (1)

FIELDWORK

Led (securing permits, arranging logistics, scouting field sites, and managing field camps) and participating in collecting and biodiversity assessment expeditions in 32 locations across Sumatra, Java, Kalimantan, Sulawesi, Bangka, and Belitung islands in Indonesia, Samar Island in the Philippines, Borneo in Malaysia, the state of Victoria in Australia, and in the U.S.

MEMBERSHIPS

The Society of Systematic Biologists, 2020-Present
 The American Society of Mammalogists, 2016-Present
 IUCN SSC Small Mammal Specialist Group, 2017-Present
 KCA-LH Rafflesia FMIPA Unand, 2009-Present