

# HERU HANDIKA

Phone: (225) 916-5691  
hhandil@lsu.edu

119 Foster Hall  
Baton Rouge, LA 70803

## EDUCATION

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

## HONORS AND AWARDS

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<b>Graduate Student Association Award, Louisiana State University</b>	2019
Awarded to attend a conference in Washington D.C (\$400)	
<b>Biodiversity Information Fund for Asia</b>	2019
Provided by the Global Biodiversity Information Facility Co-Principal Investigator Awarded twice (BIFA3_17 and BIFA4_23)	
<b>International Post Graduate Coursework Award, University of Melbourne</b>	2015
Awarded to distinguished international students taking coursework program Approximately 50 students per year (50% tuition fee remission)	
<b>Indonesia Endowment Fund for Education</b>	2015-2017
Distributed by the Indonesian Ministry of Finance Awarded to study overseas. Covered tuition, monthly stipends, thesis research, and travel for a conference	
<b>Mohammed Bin Zayed Species Conservation Fund</b>	2014 and 2015
Awarded to conduct scientific research on Sumatra, Indonesia Awarded twice (total \$9500)	
<b>Student Creativity Award on Research</b>	2012
Provided by Indonesian Ministry of Research and Education Awarded to conduct scientific research (IDR10,000,000/~\$1,020)	

## PROFESSIONAL EXPERIENCE

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### **Louisiana State University Museum of Natural Sciences, Mammal Department**

Curatorial Assistant, August 2018-now

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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PAB125 Computer Application for Biology, <i>Andalas University, Indonesia</i>	Fall 2012
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## WORKSHOP TAUGHT

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Basic Phylogenetic, <i>Andalas University, Indonesia</i>	Jan 2012
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## PUBLICATIONS

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1. 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.
2. 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.
3. 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.

4. Demos, T.C., Achmadi, A.S., **Handika, H.**, Rowe, K.C. and Esselstyn, J.A., 2016. 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.
5. 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.
6. **Handika, H.**, Nurdin, J. and Rizaldi. 2013. Small Terrestrial Mammals Community in Mount Singgalang. *J. Bio. U. A* **25**.
7. Yanuar, A., Aadrean, **Handika, H.** and Arisona, J. 2010. Large and small mammals in lowland dipterocarp forest of the Angkola-Siondop wilderness forest ecosystem, northwestern Sumatra, Indonesia. In (A. Yanuar, ed) *A Biological Assessment of the Angkola-Siondop Wilderness Forest Ecosystem, Northwestern Sumatra, Indonesia*. Conservation International.

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#### MANUSCRIPT IN REVIEW

1. Winterhoff, M.L., Achmadi, A.S., Roycroft, E.J., **Handika, H.**, Putra, R.T.J., Rowe, K.M.C., Perkins, S. and Rowe, K.C. In Review. Native and introduced trypanosome parasites in endemic and introduced murine rodents of Sulawesi.
2. Nurainas, N., Taufiq, A., **Handika, H.**, Harapan, T.S., Syamsuardi, S. and M. Hughes. In Review. Herbarium Universitas Andalas (ANDA): digitization of 29 families of vascular plants from Sumatra.
3. Nations, J.A., Mursyid, A., Busta, R.D., Adrian, S. P., **Handika, H.**, Apandi, Achmadi, A. S., Esselstyn, J. A. In Review. An albino rat from West Sumatra, Indonesia represents the first report of albinism in a Sundaland rodent.

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#### MANUSCRIPT IN PREP

**Handika, H.**, Achmadi, A.S., Esselstyn, J.A., and Rowe, K.C. In Prep. Molecular phylogenetics and cranial morphometrics of the *Bunomys* division (Rodentia: Muridae: Murinae) on Sulawesi Island, Indonesia reveals generic polyphyly, local endemism, and misleading morphological systematics.

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#### PRESENTATIONS

**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. 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 36<sup>th</sup> 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.

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## 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, and the state of Victoria in Australia.

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## MEMBERSHIPS

The American Society of Mammalogists, 2016-Present  
IUCN SSC Small Mammal Specialist Group, 2017-Present

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## LANGUAGES

**Minangkabau:** Native  
**Bahasa Indonesia:** Native  
**English:** Experience

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## COMPUTER SKILLS

**Computer languages:** HTML, CSS, Python, R, Bash, Zsh  
**Applications:** Adobe Photoshop, Lightroom, Illustrator, Affinity Designer, QGIS  
**Platforms:** MacOS, Windows, Linux (Debian, Fedora, OpenSUSE, Manjaro, Ubuntu)

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## REFERENCES

**Dr. Jacob A. Esselstyn**  
Curator and Associate Professor  
Museum of Natural Science,  
Department of Biological Sciences,  
Louisiana State University,  
Baton Rouge, LA 70803  
USA  
Phone: (225) 578-3083  
Email: [esselstyn@lsu.edu](mailto:esselstyn@lsu.edu)

**Dr. Kevin C Rowe**  
Senior Curator of Mammals  
Museum Victoria  
Museum Victoria GPO Box 666,  
Melbourne, VIC 3001  
Australia  
Phone: + 61 3 8341 7313

Email: [krowe@museum.vic.gov.au](mailto:krowe@museum.vic.gov.au)

**Prof. James L. Patton**

Curator and Professor Emeritus  
Museum of Vertebrate Zoology,  
Department of Integrative Biology,  
University of California,  
Berkeley, CA 94720  
USA

Phone: +1 510 643 7712

Email: [patton@berkeley.edu](mailto:patton@berkeley.edu)