

## Haekal Azief Haridhi

Ph.D.

Postdoctoral Fellow

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## Research interests

Earth system science, Seismotectonics, Natural hazards, Observational seismology

## Professional appointments

- 2020/01 – Postdoctoral Fellow, Institute of Earth Science, Academia Sinica, Taipei, Taiwan
- 2017/01 – Assistant Professor, Department of Marine Science, Faculty of Marine and Fisheries, Syiah Kuala University, Banda Aceh, Indonesia
- 2014/04 – 2017/01 Lecturer, Department of Marine Science, Faculty of Marine and Fisheries, Syiah Kuala University, Banda Aceh, Indonesia
- 2010/02 – 2010/05 Research Assistant, Organization for Industry, Spiritual, Culture and Advancement (OISCA) - Japan
- 2008/12 – 2010/01 Research Assistant, Earthquake and Tsunami Emergency Support Project, Asian Development Bank (ADB)

## Education

- 2015/09 – 2019/12 Ph.D. (Seismotectonics and Natural Hazard), Taiwan International Graduate Program (TIGP) – Earth System Science, Academia Sinica and National Central University
- 2010/09 – 2012/06 M.Sc. (Seismotectonics), Institute of Applied Geoscience, National Taiwan Ocean University, Keelung, Taiwan
- 2005/09 – 2009/08 B.Sc. (Physical Oceanography), Marine Science Program, Syiah Kuala University, Banda Aceh, Indonesia

## Awards/ Honors

- 2017 Outstanding Student Paper Awards, Earth Science Research Promotion Center, Ministry of Science and Technology, Taiwan.
- 2017 American Geophysical Union (AGU) – Student Travel Grant
- 2017 Taiwan International Graduate Program (TIGP) – Student Travel Grant
- 2015 Taiwan International Graduate Program (TIGP) Ph.D. Scholarship
- 2015 Invited speaker at the International Workshop on IODP – 362 Sumatera Seismogenesis, BPPT, Jakarta
- 2015 Invited speaker at the International Training on Disaster Risk Management for IORA member Countries, Southern American and Caribbean Countries, Tsunami and Disaster Mitigation Research Center, Syiah Kuala University, Banda Aceh, Indonesia
- 2010 Aceh Government Scholarship M.Sc. Scholarship

## Projects

- 2015 Laboratory Startup Grant – Syiah Kuala University, Ministry of Research, Technology and Higher Education, Indonesia.  
Grant Number: 5308.005.001-091-AN  
Publication: Haridhi et al. (2018)
- 2014 Young Lecturer Research Grant - Syiah Kuala University, Ministry of Research, Technology and Higher Education, Indonesia  
Grant Number: 212/UN11.2/LT/SP3/2015  
Publication: Will be submitted

## Publication

### *Scopus and SCI Indexed Journals*

**Haridhi, H. A.**, Huang, B.-S., Wen, K.-L., Denzema, D., Prasetyo, R. A., and Lee, C.-S., "A study of large earthquake sequences in the Sumatra subduction zone and its possible implications", *Terrestrial, Atmospheric and Oceanic Sciences*, **29 (2018) 635–652**

**Haridhi, H.A.**, Nanda, M., Haditjar, Y., Rizal, S., "Application of Rapid Appraisals of Fisheries Management System (RAFMS) to identify the seasonal variation of fishing ground locations and its corresponding fish species availability at Aceh waters, Indonesia", *Ocean and Coastal Management*, **154 (2018) 46-54**

Purnawan, S., Setiawan, I., **Haridhi, H.A.**, Irham, M., "Granulometric analysis at Lampulo Fishing Port (LFP) substrate, Banda Aceh, Indonesia", *IOP Conference Series: Earth and Environmental Science*, **106 (2018) 012070**

**Haridhi, H.A.**, Nanda, M., Wilson, C.R., Rizal, S., "Preliminary study of the sea surface temperature (SST) at fishing ground locations based on the net deployment of traditional purse- seine boats in the northern waters of Aceh — A community-based data collection approach", *Regional Studies in Marine Science*, **8 (2016) 114-121**

Ilhamsyah Y., Fadli N., Setiawan I., **Haridhi H. A.**, "Notes: coral reef bleaching in Weh Island, Indonesia, a natural climate variability or global climate change impact?", *AACL BIOFLUX*, **7 (2014) 508-515**

Rizwan, T., Dewiyanti, I., **Haridhi, H. A.**, Setiawan, I., Ilhamsyah, Y., Alirudin, J., "Analysis of fish catches by traditional purse seine boat in aceh waters based on setting and hauling duration", *AACL BIOFLUX*, **7 (2014) 63-67**

Citation statistics: Scopus : Total citations: 33, h-index: 4

Google Scholar : Total citations: 69, h-index: 7

*Non-Scopus or Non-SCI (International and National (Indonesia))*

Purnawan, S., **Haridhi, H. A.**, Setiawan, I, Tim, M., "Parameter statistic ukuran butiran pada sedimen berpasir di muara Kuala Gigieng, Kabupaten Aceh Besar", *Journal Ilmu dan Teknologi Kelautan Tropis*, **7 (2015) 15-21**

Rizal, S., **Haridhi, H.A.**, Wilson, C.R., Hasan, A., Setiawan, I., "Community Collection of Ocean Current Data: An Example from Northern Aceh Province, Indonesia", *SPC Traditional Marine Resource Management and Knowledge Information Bulletin*, **31 (2013) 3-11**

*Conference abstract*

**Haridhi, H. A.**, Huang, B. S., Lee, C. S., "Could the Hualien Feb 6, 2018, Mw 6.4 type of earthquake occur at the northern tip of Sumatra?", *Taiwan Geosciences Assembly*, **(2018)**

**Haridhi, H. A.**, Huang, B. S., Wen, K. L., Mirza, A., Rizal, S., Purnawan, S., Fajri, I., Klingelhofer, F., Liu, C. S., Lee, C. S., and Wilson, C. R., "High tsunami risk at northern tip of Sumatra as a result of the activity of the Sumatra Fault Zone (SFZ) combined with coastal landslides", *AGU Fall Meeting Abstracts*, **(2017) T52B-08**

**Haridhi, H.**, Rizal, S., Ridha, M., Lee, C. S., "A seismic gap study in the western offshore of Sumatra, Indonesia", *EGU General Assembly*, **14 (2012) EGU2012-3854**

**Haridhi, H. A.**, and Lee, C. S., "The impact of the N – S fracture zone along the Indo-Australian Plate analyzed from local seismic data in the Western Offshore of Sumatra, Indonesia", *Indian Ocean and Pacific Conference*, **(2013)**

**Professional services**

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| 2019 | International Working Group on Rotational Seismology (IWGoRS)<br>Role: Committee  |
| 2015 | International Training Disaster Recovery and Mitigation for Coastal Area Series 2<br>Role: Chairman of the Committee  |
| 2015 | Tsunami Disaster Mitigation Research Center, Syiah Kuala University,<br>Ministry of Research, Technology and Higher Education<br>Role: Research coordinator Tsunami Cluster |