

Dr. Tries Blandine Razak

Postdoctoral Researcher at Research Centre for Oceanography
National Research and Innovation Agency (BRIN), Indonesia



Email tbrazak@gmail.com
Mobile +62 821 2634 2692
Date of birth 07 September 1976
Webpages [Pew Fellow in Marine Conservation](#)
[Google Scholar](#)
[SDG Center UNPAD](#)

Academic Qualifications

- 2012–2018 **Doctor of Philosophy**, School of Biological Sciences, University of Queensland, Australia. Thesis awarded **UQ 2018 Dean's Award for Outstanding HDR Thesis**.
- 2000–2002 **Master of Science** in Marine Biodiversity and Systematics, Leiden University, The Netherlands
- 1994–1998 **Bachelor of Science** in Marine Sciences, IPB University, West Java, Indonesia

Postdoctoral Research Fellowship

- 2022–2023 Research Centre for Oceanography, National Research and Innovation Agency (BRIN), Indonesia
- 2018 Australian Rivers Institute, Griffith University, Australia (May–Sept 2018)

Professional Career and Committee Membership

- 2023–2026 **Council Member**, International Coral Reef Society
- 2022–2023 **Scientific Committee**, the 5th Asia-Pacific Coral Reef Symposium (APCRS), Singapore 19-23 June 2023
- 2021–present **Adjunct Research Fellow**, Department of Marine Science, Faculty of Fisheries and Marine Science, IPB University, Indonesia
- 2019–present **Lecturer (casual)**, Department of Marine Science, Faculty of Fisheries and Marine Science, Universitas Padjadjaran, Bandung, Indonesia
- 2019–present **Advisor** to the Governor of West Java Province (Mr. Ridwan Kamil) on marine affairs and fisheries, Bandung, Indonesia

- 2019–2020 **Project Leader**, The Allen Coral Atlas, Indonesia Field Engagement Program, National Geographic Society
- 2008–2010 **Project Leader**, Study on Reef Rehabilitation Projects in Indonesia, WWF-US
- 2005–2006 **Project Leader**, Coral Reef Rehabilitation Project with Ecoreefs, Bunaken National Park, North Sulawesi, Indonesia, EcoReefs Inc. and SAGE Foundation
- 2003–2005 **Program Officer**, Science Program at the Indonesian Coral Reef Foundation, Jakarta, Indonesia
- 2002–2003 **Program Officer**, Marine and Coastal Regions Program, UNEP-World Conservation Monitoring Centre, Cambridge, United Kingdom
- 2002 **Research Assistant**, Institute of Evolutionary and Ecological Sciences, University of Leiden, Netherlands
- 1999–2000 **Program Officer**, Education and Training Program, the Indonesian Coral Reef Foundation, Jakarta, Indonesia
- 1999 **Co-founder** of the Indonesian Coral Reef Foundation (Yayasan Terumbu Karang Indonesia, TERANGI), Jakarta, Indonesia

Consultancy Works

- 2002–2023 Senior Advisor for Coral Reef Ecology, Global Fund for Coral Reefs, Yayasan Konservasi Alam Nusantara / TNC Indonesia Office
- 2022 Better Management Practice for Reef Restoration with Rock Piles, WWF Indonesia
- 2021 Gap Analysis on Reef Restoration Projects in Indonesia, TNC Indonesia/Yayasan Konservasi Alam Nusantara
- 2019 Marine Protected Area in Indonesia: status and trend report, WWF Indonesia
- 2008 Post-Tsunami Reef Rehabilitation Project in Western Province of the Solomon Islands, WWF-Solomon Islands

Awards and Fellowships

- 2022 Travel Award for Reef Futures 2022, Key Largo, Florida, USA
- 2021 Pew Fellowship in Marine Conservation, The Pew Charitable Trusts
- 2020 UQ 2018 Dean's Award for Outstanding HDR Theses
- 2016 Travel Award for the 13th International Coral Reef Symposium, Hawaii, USA
- 2014 University of Queensland Graduate School International Travel Award
- 2014 Great Barrier Reef Marine Park Authority's Science for Management Awards

2013	University of Queensland Indonesia Partnership Award
2013	Travel Award for the 87 th Australian Coral Reef Society Conference, Sydney, Australia
2013	Martin Fellowship, Naturalis Biodiversity Centre, Netherlands
2012–2015	Australian Postgraduate Award for Ph.D. scholarship
2008	Travel award for the 11 th International Coral Reef Symposium, Fort Lauderdale, USA
2004	Travel award for the 10 th International Coral Reef Symposium, Okinawa, Japan
2002–2003	British Chevening Award in Biodiversity
2001	Travel award for the 21 st International Symposium of Sea Turtle, Philadelphia, USA
2000–2002	Studeren in Nederland Scholarship for M.Sc. scholarship
2000	Rio Tinto & Earthwatch Institute Fellowship at the Green Turtle of Malaysia Project

Peer-reviewed Publications

Tranter SN, Estradivari, Ahmadi GN, Andradi-Brown DA, Muenzel D, Agung F, Amkieltiela, Ford AK, Habibi A, Handayani CN, Iqbal M, Krueck NC, Lazuardi ME, Muawanah U, Papilaya RL, **Razak TB**, Sapari A, Sjahrudin FF, Veverka V, Yusri S, Beger M (2022) The inclusion of fisheries and tourism in marine protected areas to support conservation in Indonesia. *Marine Policy* (146): 105301. doi.org/10.1016/j.marpol.2022.105301

Subhan B, **Razak TB**, Arafat D, Zamani NP, Prehadi, Lestari DF, Hoeksema BW (2022) A New Northernmost Distribution Record of the Reef Coral *Duncanopsammia axifuga* at Bird's Head Peninsula, West Papua, Indonesia. *Diversity* 14(9): 713. doi.org/10.3390/d14090713

Lamont TA, **Razak TB**, Djohani R, Janetski N, Rapi S, Mars F, Smith DJ (2022) Multi-dimensional approaches to scaling up coral reef restoration. *Marine Policy* 143: 105199. doi.org/10.1016/j.marpol.2022.105199

Razak TB, Boström-Einarsson L, Alisa CAG, Vida RT, Lamont TA (2022) Coral reef restoration in Indonesia: A review of policies and projects. *Marine Policy* 137: 104940. doi.org/10.1016/j.marpol.2021.104940

Razak TB, Ramadhani BA, Corni S, Roelfsema C, Markey K, Bambic B, De Brauwer M, Masdar H, Purnama R, Dumbrell AJ, Jompa J, Limmon GV, Beger M, Fox HE (2021) Large scale study of benthic communities in Eastern Indonesia's reef systems. *Regional Studies in Marine Science* 44: 101731. doi.org/10.1016/j.rsma.2021.101731

Wolfe K, Anthony K, Babcock RC, Bay L, Bourne DG, Burrows D, Byrne M, Deaker DJ, Diaz-Pulido G, Frade PR, Gonzalez-Rivero M, Hoey A, Hoogenboom M, McCormick M, Ortiz J-C, **Razak T**, Richardson AJ, Roff G, Sheppard-Brennand H, Stella J, Thompson A, Watson S-A, Webster N, Audas D, Beeden R, Carver J, Cowlshaw M, Dyer M, Groves P, Horne D, Thiault L, Vains J, Wachenfeld D, Weekers D, Williams G, Mumby PJ (2020) Priority species to support the functional integrity of coral reefs. *Oceanography and Marine Biology: An Annual Review* 58: 179-318.

Razak TB, Roff G, Lough JM, Mumby PJ (2020) Growth responses of branching versus massive corals to ocean warming on the Great Barrier Reef, Australia. *Science of The Total Environment* 705: 135908. doi.org/10.1016/j.scitotenv.2019.135908

Razak TB, Roff G, Prayudi D, Lough JM, Cantin NE, Mumby PJ (2019) Long-term growth trends of massive *Porites* corals across a latitudinal gradient in the Indo-Pacific. *Marine Ecology Progress Series* 626: 69–82. doi.org/10.3354/meps13065

Fox HE, Harris JL, Darling ES, Ahmadi, GN, Estradivari, **Razak TB** (2019) Rebuilding coral reefs: success (and failure) 16 years after low-cost, low-tech restoration. *Restoration Ecology* 27(4): 862-869. doi.org/10.1111/rec.12935

Razak TB, Mumby PJ, Nguyen AD, Zhao J-X, Lough JM, Cantin NE, Roff G (2017) Use of skeletal Sr/Ca ratios to determine growth patterns in a branching coral *Isopora palifera*. *Marine Biology* 164:96. doi.org/10.1007/s00227-017-3099-8

Rogers A, Harborne AR, Brown CJ, Bozec Y-M, Castro C, Chollett I, Hock K, Knowland CA, Marshall A, Ortiz JC, **Razak T**, Roff G, Samper-Villarreal J, Saunders MI, Wolff NH, Mumby PJ (2014) Anticipative management for coral reef ecosystem services in the 21st century. *Global Change Biology* 21(2): 504-514. doi.org/10.1111/gcb.12725

Razak TB, Hoeksema BW (2003) Hydrozoa: Milleporidae in BW Hoeksema and LP van Ofwegen (eds.) Reef corals of the Indo-Malayan seas. Marine species identification portal <http://species-identification.org>

Razak TB, Hoeksema BW (2003) The hydrocoral genus *Millepora* (Hydrozoa: Capitata: Milleporidae) in Indonesia. *Zoologische Verhandelingen* 345: 313-336. <https://repository.naturalis.nl/pub/220318>

Wabnitz C, Taylor M, Green E, **Razak T** (2003) From ocean to aquarium: the global trade in marine ornamental species. UNEP-WCMC Biodiversity Series No. 17. Cambridge, UK 64 pp.

Project Reports

Razak TB (2011) Post-disaster coral recruitment and recovery monitoring in Western Province, Solomon Islands (May 2008–November 2010). A monitoring report: 12pp.

Razak TB (2010b) Study on marine invertebrates growing on ceramic-based artificial reefs (EcoReef) and reef fish populations at the blast-damaged reef rehabilitation area in Bunaken National Park, North Sulawesi, Indonesia: four years of monitoring (2006–2010). A final project report: 34 pp.

- Razak TB** (2010a) Review of reef rehabilitation projects in Indonesia: the used of artificial structures for reef rehabilitation. A literature review: 16 pp.
- Razak TB** (2008) Post-disaster reef rehabilitation project: coral recruitment and recovery monitoring in Western Province, Solomon Islands. A project report: 11pp.
- Razak TB** (2006) Hard coral and reef fish community on the EcoReefs rehabilitation site, Manado Tua Island, Bunaken National Park, North Sulawesi, Indonesia. A monitoring report: 35 pp.

Conference Presentations and Posters

- Razak TB**, Boström-Einarsson L, Alisa CAG, Vida RT, Lamont TA (2022) Rehabilitating reef rehabilitation: Applying scientific knowledge to improve reef restoration practice in Indonesia. Oral presentation at the 15th International Coral Reefs Symposium, Bremen, Germany (03–08 July 2022).
- Razak TB**, Roff G, Lough JM, Cantin NE, Mumby PJ (2016) Seasonal patterns of growth in the robust branching coral *Isopora palifera* from the central Great Barrier Reef, Australia. Poster presentation at the 13th International Coral Reef Symposium, Honolulu, Hawaii (19–24 June 2016).
- Razak TB**, Roff G, Lough JM, Cantin NE, Mumby PJ (2013) Measuring seasonal growth rates of massive corals (*Porites* sp.) using skeletal Sr/Ca. Oral presentation at the 87th Annual Australian Coral Reef Society Conference in Sydney (28–30 August 2013).
- Razak TB** (2008) The population of hard coral colonies growing on Ecoreefs artificial modules on Manado Tua Island, Bunaken National Park, North Sulawesi, Indonesia. Oral presentation at the 11st International Coral Reefs Symposium, Florida, USA (07–11 July 2008).
- Razak TB** (2006) Hard coral community on the Ecoreefs rehabilitation site, Bunaken National Park, North Sulawesi, Indonesia. Oral presentation at the 3rd Coastal Zone Asia Pacific Conference, Batam, Indonesia (29 August–02 September 2006).
- Razak TB**, Hoeksema BW (2004) The hydrocoral genus *Millepora* (Hydrozoa: Capitata: Milleporidae) in Indonesia. Poster presentation at the 10th International Coral Reefs Symposium, Okinawa, Japan (28 June–02 July 2004).

Popular Media/Media Coverage

- Gabay A (2022) Community-led coral restoration project is rare hit amid slew of misses in Indonesia. Mongabay, 04 May 2022. Available at: <https://news.mongabay.com/2022/05/community-led-coral-restoration-project-is-rare-hit-amid-slew-of-misses-in-indonesia/> (Accessed: 25 May 2022)

- Gerety RM (2022) A million little pieces: the race to rebuild the world's coral reefs. Wired, 05 April 2022. Available at: <https://www.wired.com/story/race-to-rebuild-world-coral-reefs/> (Accessed: 29 May 2022)
- Gabay A (2021) Restoring coastal forests can protect coral reefs against sediment runoff: Study. Mongabay, 07 December 2021. Available at: <https://news.mongabay.com/2021/12/restoring-coastal-forests-can-protect-coral-reefs-against-sediment-runoff-study/> (Accessed: 27 July 2022)
- Barkhausen B (2021) Wie Indonesien seine Korallen retten will. Redaktions Netzwerk Deutschland, 23 November 2021. Available at: <https://www.rnd.de/panorama/wie-indonesien-seine-korallen-retten-will-SGHOVDJVBG6TJIRNPZJGS35WA.html> (Accessed: 25 May 2022)
- Neubauer IL (2021) Indonesia leads the way in restoring coral reefs, scientists say. Al Jazeera, 02 November 2021. Available at: <https://www.aljazeera.com/news/2021/11/2/indonesia-leads-the-way-in-coral-restoration> (Accessed: 25 May 2022)

Field Experiences (* indicates that I was the principal investigator/trip leader)

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| 2021–2022 | Coastal ecosystems survey for Integrated Tourism Master Plan, Wakatobi National Park, Southeast Sulawesi |
| 2021–2022 | Community-based reef restoration monitoring, Gili Trawangan, West Nusa Tenggara |
| 2019 | Coral reef restoration on Biawak Island, Indramayu Regency, Department of Marine Affairs and Fisheries, West Java Province* |
| 2014 | Coral coring, Rumberpon Island, Cendrawasih Bay, West Papua* |
| 2014 | Coral coring, Togean Islands, Central Sulawesi* |
| 2010 | Hard coral community and reef fish population survey on EcoReefs rehabilitation site, Bunaken National Park, North Sulawesi* |
| 2010 | Hard coral community on Reefballs, PT. Newmont, West Nusa Tenggara* |
| 2010 | Coral reef benthic community survey, Raja Ampat Islands, Papua |
| 2008 | Post-tsunami coral recruitment and recovery monitoring, West Province, Solomon Islands* |
| 2008 | Hard coral community on Rock Piles, Komodo National Park, East Nusa Tenggara |
| 2006 | Hard coral community and reef fish population survey on EcoReefs rehabilitation site, Bunaken National Park, North Sulawesi* |
| 2004 | Hard coral stock assessment for ornamental fisheries, Lampung Bay, South Sumatera |
| 2004 | Socio-economic survey and rapid stock assessment on hard coral trade and ornamental fisheries, Lampung Bay, South Sumatera |
| 2004 | Hard coral community on EcoReefs, Bunaken National Park, North Sulawesi* |
| 2004 | Coral reef benthic community survey, Sangalaki Island, East Kalimantan |
| 2004 | Hard coral stock assessment for ornamental fisheries, Seribu Islands, North of |

Jakarta

2000 Volunteer at the Sea Turtle Rescue Centre, ARCHELON, Athens, Greece

2000 Volunteer at the Green Turtles of Malaysia Project, Kuala Terengganu and Redang Island, Malaysia

1999 Coral reef benthic community survey, Derawan Islands, East Kalimantan

1999 Community-based coral reef benthic community survey, Padaido Islands, Papua

1998 Coral bleaching monitoring, Karimunjawa Islands, Central Java

1998 Coral reef benthic community survey, Mentawai Islands, West Sumatera

1996–1998 Volunteer marine biologist at Rinjani Diving Club, Gili Trawangan, West Nusa Tenggara