

ALBERT CHRISTIAN SOEWONGSONO

soewongsono@wustl.edu

[Personal Webpage](#) | [Community Webpage](#) | [Google Scholar](#) | [ORCID](#) | [LinkedIn](#)

Formal Education

- 2023** PhD in Mathematical Sciences (GPA: N/A)
Mathematical models for the evolution of species
University of Tasmania, Hobart, TAS – Australia
- 2021** Graduate Certificate in Research (GPA: 6.5/7.0)
University of Tasmania, Hobart, TAS – Australia
- 2018** Master of Mathematical Sciences (Advanced) (GPA: 6.3/7.0)
The most recent common ancestor of a randomly chosen sample in a Galton – Watson process
Australian National University, Canberra, ACT – Australia
- 2015** Bachelor of Mathematical Sciences (GPA: 4.0/4.0)
Teorema berbasis aksioma separasi dalam ruang topologi (separation axioms – based theorem in topological spaces)
Nusa Cendana University, Kupang, NTT – Indonesia

Non-Degree Education

- Feb – Mar 2021** Summer School Student
[Australian Mathematical Sciences Institute \(AMSI\)](#)
University of Adelaide, Adelaide, SA – Australia
- Jan – Feb 2018** Summer School Student
[Australian Mathematical Sciences Institute \(AMSI\)](#)
Monash University, Clayton, VIC – Australia
- Sep – Oct 2016** Exchange Student
[Young Southeast Asian Leaders Initiative \(YSEALI\) Academic Fellowship](#)
Northern Illinois University, DeKalb, IL – USA
- May – Aug 2016** Visiting Student
[LPDP Scholarship's](#) IELTS Class Program
UIN Sunan Kalijaga, Yogyakarta, DIY – Indonesia

Research Interests

My research centers around applications of mathematical methods in biology. I apply stochastic processes to study relationships between evolutionary processes and patterns. My biological interests include diversification models that uses species information, such as phenotype, age and historical biogeography; niche-based species evolution models, and epidemiology. My work primarily consists of designing mathematical models and deriving their theoretical properties, inferring parameters using biological and simulated datasets, and programming.

Coursework

Graduate – level

- Ordinary Differential Equations and Advanced Vector Calculus
- Scientific Computing
- Probability Modelling with Applications
- Analysis 1: Metric spaces and Applications
- Bioinformatics and Biological Modelling
- Advanced Mathematical Bioinformatics
- Mathematical Modelling of Infectious Diseases
- Stochastic Modelling
- Advanced Algebra 1: Groups, Rings, and Linear Algebra
- Advanced Algebra 2: Field extensions and Galois theory
- Number Theory and Cryptography
- Mathematics Research Project
- Low – Dimensional Topology
- Probability Models 3

Undergraduate – level

Calculus and Vector Analysis	Real Analysis
Linear Algebra	Statistical Mathematics
Complex Variable	Numerical Method
Research Methodology	Regression Analysis
Analytic Geometry	Discrete Mathematics
Partial Differential Equations	Linear Programming
Operation Research	Sample Survey Method and Data Analysis
Mathematical Economics	Mathematical Modelling
Point-set Topology	Non-Parametric Statistical Methods
Field Work	Thesis

Technical Skills

Document Preparation	Slide Preparation
Microsoft Word, LaTeX	Microsoft Powerpoint, LaTeX Beamer
Statistical Software	Mathematical Software
Microsoft Excel, SPSS, Minitab	Mathematica
Programming Language	Other Skills
R, Julia, MATLAB, RevBayes	Command-line interface, Bash, High – Performance Computing

Soft Skills and Language Proficiency

I have experience in mentoring, hosting public events, and organizational management (details listed in this CV).

Bahasa Indonesia Native (Fluent)

Employment

2023 – [Postdoctoral Research Associate](#)
Department of Biology
Washington University, St. Louis, MO – USA

Job Description

Developing mathematical models for studying evolutionary processes and patterns in species diversity with biogeography, and epidemiology models with host movements.

2020 – 2023 Mathematics Tutor
Discipline of Mathematics
University of Tasmania, Hobart, TAS – Australia

Job Description

Tutoring and marking assignments for undergraduate – level mathematical and statistical courses.

2020 – 2023 Exam Scribe
Disability Service
University of Tasmania, Hobart, TAS – Australia

Job Description

Working with the university's disability service to assist students that require exam scribe.

2021 Open Day - School Representative
Discipline of Mathematics
University of Tasmania, Hobart, TAS – Australia

Job Description

Working with the university to hold the university Open Day event as one of the representatives from School of Natural Sciences (Mathematics). Preparing booth for mathematics department and math games for kids.

2020 – 2021 External Team Member
Public Health Biomolecular Lab
Local Government, Nusa Cendana University, Kupang, NTT – Indonesia

Job Description

Providing advice about sampling in pooled PCR test for COVID – 19 early detections in East Nusa Tenggara province. A joint collaboration between the local government, Forum Academia NTT, and Nusa Cendana University.

2020 External Reviewer
2nd ICRU International Conference on World Sustainable Development
Nakhon Si Thammarat Rajabhat University, Thailand

Job Description

Invited as an external reviewer for abstracts submitted to the conference.

2019 Contract Lecturer
Department of Mathematical Sciences
Nusa Cendana University, Kupang, NTT – Indonesia

Job Description

Teaching Mathematical Biology and English for Specific Purposes courses for Semester 1, 2019.

2018 Mathematics Tutor
Mathematical Sciences Institute
Australian National University, Canberra, ACT – Australia

Job Description

Tutoring and marking assignments and exams for first-year mathematical course.

2015 – 2016 Teaching Assistant
Department of Mathematical Sciences
Nusa Cendana University, Kupang, NTT – Indonesia

Job Description

Co-teaching first-year mathematics courses, marking assignments and exams.

2015 Paid Internship (Remote)
JUARA Skincare
Jakarta, Indonesia

Job Description

Promoting JUARA's cosmetic products using social media campaigns. Part of Young Leaders for Indonesia (YLI) Batch 7's programs.

2014 – 2015 Student Mentor
UniBRIDGE Project
Nusa Cendana University, Kupang, NTT – Indonesia

Job Description

Mentoring participating university students and providing monthly reports for University Building Relationship through Intercultural Dialogues and Growing Engagements (UniBRIDGE) project, sponsored by Australia's Department of Foreign Affairs and Trade.

Manuscripts – Published

- 2025** Soewongsono, A. C., Diao, J., Stark, T., Wilson, A. E., Holland, B. R., Liberles, D. A., & O'Reilly, M. M. (2025). Matrix-analytic methods for the evolution of species trees, gene trees, and their reconciliation. *Methodology and Computing in Applied Probability*, 27, 9. (DOI: <https://doi.org/10.1007/s11009-025-10135-z>)
- 2024** Soewongsono, A. C., & Landis, M. J. (2024). A diffusion-based approach for simulating forward-in-time state-dependent speciation and extinction dynamics. *Bulletin of Mathematical Biology*, 86, 101. (DOI: <https://doi.org/10.1007/s11538-024-01337-6>) ([SMB Research Highlight](#))
- 2023** Soewongsono, A.C. (2023). Mathematical models for the evolution of species. University of Tasmania. PhD Thesis (<https://doi.org/10.25959/26053510.v1>)
- 2022** Soewongsono, A. C., Holland, B. R., & O'Reilly, M. M. (2022). The Shape of Phylogenies Under Phase-Type Distributed Times to Speciation and Extinction. *Bulletin of Mathematical Biology*, 84(10), 118. (DOI: <https://doi.org/10.1007/s11538-022-01072-w>)
- Soewongsono, A. C., Holland, B. R., & O'Reilly, M. M. (2022). Stochastic niche-based models for the evolution of species. In *MAM11 2022* (pp. 1-4). (*Conference Paper*)
- 2019** Burden, C. J., & Soewongsono, A. C. (2019). Coalescence in the diffusion limit of a Bienaymé–Galton–Watson branching process. *Theoretical population biology*, 130, 50-59.

(DOI: <https://doi.org/10.1016/j.tpb.2019.09.009>)

- 2018** **Soewongsono, A.C.** (2018). The most recent common ancestor of a randomly chosen sample in a Galton-Watson process. Australian National University. Masters Thesis (DOI: <https://doi.org/10.25911/5d9efb00794b8>)
- 2015** **Soewongsono, A. C.,** Ariyanto, A., & Jafaruddin, J. (2015). Teorema berbasis aksioma separasi dalam ruang topologi. *Jurnal Matematika Integratif*, 11(2), 85-96.
(DOI: <https://doi.org/10.24198/jmi.v11.n2.9420.85-96>)
- Soewongsono, A.C.** (2015). Kajian aksioma separasi dalam ruang topologi. Universitas Nusa Cendana. Honours thesis.

Manuscripts – Preprint

- 2023** **Soewongsono, A. C.,** Diao, J., Stark, T., Wilson, A. E., Holland, B. R., Liberles, D. A., & O'Reilly, M. M. (2023). Matrix-analytic methods for the evolution of species trees, gene trees, and their reconciliation (<https://arxiv.org/abs/2309.06447>)
- Soewongsono, A.C.,** Holland, B.R., & O'Reilly, M. M. (2023). Stochastic niche-based models for the evolution of species (<https://arxiv.org/abs/2309.02788>)

Manuscripts – In Preparations

- Exploring relationships between rates and patterns generated under state-dependent speciation and extinction models. Joint work with Michael Landis.
- Inferring epidemiological rate parameters under an SIR model with visitors. Joint work with Ammon Thompson and Michael Landis.
- Inferring rates under density-dependent GeoSSE with geographic overlap using deep learning approach. Joint work with Michael Landis and Ammon Thompson.
- Stochastic environmentally-driven model for the evolution of species. Joint work with Barbara Holland and Małgorzata O'Reilly.

Academic Posters

- 2024** *A diffusion-based approach for simulating forward-in-time state-dependent speciation and extinction dynamics*
Theory, Methods, and Applications of Quantitative Phylogenomics
ICERM, Brown University, Providence RI, USA
- 2022** *Stochastic niche-based models for the evolution of species*
9th Heidelberg Laureate Forum
Heidelberg, Baden – Württemberg, Germany

- 2021** *The shape of phylogenies under Phase-Type distributed times to speciation and extinction*
ANZIAM Annual Conference (Remote)
Australia
- The shape of empirical phylogenies under Phase-Type distributed times to speciation model*
AMSI BioInfoSummer 2021 (Hybrid conference)
University of Adelaide, University of Melbourne, Curtin University, James Cook University, UNSW, Australia
- The shape of empirical phylogenies under Phase-Type distributed times to speciation model*
ABACBS & Phylomania (Hybrid conference)
Hobart, TAS – Australia
- The shape of empirical phylogenies under Phase-Type distributed times to speciation model*
8th Heidelberg Laureate Forum (Remote)
Hobart, TAS – Australia
- 2020** *The shape of phylogenies under Phase-Type distributed times to speciation and extinction*
AMSI BioInfoSummer 2020 (Remote)
Australian National University, Canberra, ACT – Australia
- The shape of phylogenies under Phase-Type distributed times to speciation and extinction*
Phylomania 2020: Undeterred and on the web!
University of Tasmania, Hobart, TAS – Australia
- The shape of phylogenies under Phase-Type distributed times to speciation and extinction*
Virtual Heidelberg Laureate Forum (Remote)
Hobart, TAS – Australia
- 2019** *Tree shape statistics of trees generated using Phase – Type distributed times to speciation*
AMSI BioInfoSummer 2019
University of Sydney, Sydney, NSW – Australia
- Tree shape statistics of trees generated using Phase – Type distributed times to speciation*
Phylomania 2019: It Goes to Eleven
University of Tasmania, Hobart, TAS – Australia

Presentations – Contributed

- 2024** 3rd Joint Congress on Evolutionary Biology (Virtual) | Conference
Talk title : *A diffusion-based approach for simulating forward-in-time state-dependent speciation and extinction dynamics*
Recorded talk : <https://youtu.be/yWkM95ZwIUM?si=kdrkhPRVJkdvFFRo>
- Living Earth Collaborative/Ecology and Evolutionary Biology Seminar Series | Seminar
 Washington University in St. Louis, MO – USA
Talk title : [Mathematical perspectives on phylogenetic models of lineage diversification](https://youtu.be/sZKPgcI426U?si=m5XhkrIdTQLqTfH0)
Recorded talk : <https://youtu.be/sZKPgcI426U?si=m5XhkrIdTQLqTfH0>
- 2023** The 15th UTAS Theoretical Phylogenetics Meeting (Virtual) | Conference
 University of Tasmania, Hobart, TAS – Australia
Talk title : *A diffusion – based approach for simulating forward – in – time state –*

The 26th Annual New Zealand Phylogenomics Meeting | Student's talk
Hosted by University of Canterbury in Napier, New Zealand
Talk title : Stochastic Niche – Based Models for the Evolution of Species

2022

The 14th UTAS Theoretical Phylogenetics Meeting | Student's talk
University of Tasmania, Hobart, TAS – Australia
Talk title : Matrix – analytic methods (MAMs) for the evolution of species trees, gene trees, and their reconciliation (Part II)

The 9th Heidelberg Laureate Forum | Poster Flash and Presenter
Heidelberg University, Heidelberg, Baden – Württemberg, Germany
Talk title : Stochastic Niche – Based Models for the Evolution of Species

The 11th International Conference on Matrix – Analytic Method in Stochastic Models (Virtual) | Student's talk
Talk title : Stochastic Niche – Based Models for the Evolution of Species

ANZIAM Annual Conference (Virtual) | Student's talk
Talk title : The Shape of Phylogenies under Phase – Type Distributed Times to Speciation and Extinction

2021

2021 AMSI BioInfoSummer Hybrid Symposium (Virtual) | Student's fast – forward talk
Talk title : The Shape of Empirical Phylogenies under Phase – Type Distributed Times to Speciation Model (<https://bis.amsi.org.au/eposters/>)

The 13th Phylomania – ABACBS Joint Conference | Student's talk
University of Tasmania, Hobart, TAS – Australia
Talk title : The Shape of Empirical Phylogenies under Phase – Type Distributed Times to Speciation Model

2021 ANZIAM Annual Conference (Virtual) | Student's talk
Talk title : The Shape of Phylogenies under Phase – Type Distributed Times to Speciation and Extinction

2020

The 64th AustMS Annual Meeting (Virtual) | Student's talk
Talk title : The Shape of Phylogenies under Phase – Type Distributed Times to Speciation and Extinction

2020 AMSI BioInfoSummer Symposium (Virtual) | Student's fast – forward talk
Talk title : The Shape of Phylogenies under Phase – Type Distributed Times to Speciation and Extinction (<https://bis.amsi.org.au/eposters/>)

The 12th Phylomania (Virtual) | Student's talk
Talk title : The Shape of Phylogenies under Phase – Type Distributed Times to

Speciation and Extinction

Virtual Heidelberg Laureate Forum (Virtual) | Poster Flash and Presenter

Talk title : The Shape of Phylogenies under Phase – Type Distributed Times to Speciation and Extinction

2019

2019 AMSI BioInfoSummer Symposium | Student's fast – forward talk

University of Sydney, Sydney, NSW – Australia

Talk title : Tree Shape Statistics of Trees Generated Using Phase – Type Distributed Times to Speciation

The 11th Phylomania | Student's talk

University of Tasmania, Hobart, TAS – Australia

Talk title : Tree Shape Statistics of Trees Generated Using Phase – Type Distributed Times to Speciation

Presentations – Invited

2025

“Machine learning and new inference algorithms: expanding what is possible in evolutionary biology and phylogenetics analysis” SSB-sponsored symposium

[Evolution 2025](#)

Talk title : Inferring rates under density-dependent GeoSSE using deep-learning approach

#OtotSendi seminar by [Van Deventer-Maas Indonesia](#)

Online

Talk title : Living and working abroad as a postdoctoral researcher

2024

Podcast “[Dari Nusa Tenggara ke Tenggara Australia](#)”

Podcast Bebas Linear, Bandung Institute of Technology alumni

Public Seminar by Mathematics Department | Seminar

Nusa Cendana University, Kupang, NTT – Indonesia

*Seminar title : Perspektif Matematika untuk Model Evolusi
(Mathematical perspectives for evolutionary models)*

2022

Web Seminar by Komunitas Purist MA “LOL” (Virtual) | Webinar

Bandung Institute of Technology

Talk title : Let's dive into math opportunities abroad

2021

The 8th Heidelberg Laureate Forum | Poster presenter and fast-forward talk

(Chosen as one of 20 presenters over 70 applicants)

Talk title : The Shape of Phylogenies under Phase – Type Distributed Times to Speciation and Extinction

Virtual Workshop Series: LPDP Sharing Session & IELTS Starter Pack | Facilitator

Mata Garuda NTT, Kupang, NTT – Indonesia

Invited as facilitator for introducing IELTS and scholarship sharing session in the virtual workshop held by Mata Garuda NTT

Webinar Penelitian Matematika (Virtual) | Presenter
KLIKPENELITI.ID & PT. Pusat Penelitian Indonesia, Indonesia
Talk title : Mathematical Models in Phylogenetics

Australia – Indonesia Youth Association (AIYA) Webinar | Presenter
AIYA Jakarta Chapter & AIYA Eastern Indonesia Chapter, Indonesia
Invited as a speaker to share about LPDP scholarship

Professional Reviews

Journals Evolution – International Journal of Organic Evolution
Grant Proposals US National Science Foundation – Division of Environmental Biology

Workshops

- 2024** [Current Methods and Open Problems in Mathematical and Statistical Phylogenetics](#) | Participant
ICERM, Providence, RI – USA
- [Phylogenetic Biogeography Workshop](#) | Participant
Modelling the Origin and Evolution of Hawaiian Plants
Washington University, St. Louis, MO – USA
- 2023** [StanCon 2023](#) | Participant
Convention on Stan Programming and Bayesian Modelling
Washington University, St. Louis, MO – USA
- 2021** [The 11th Sydney Phylogenetics Workshop](#) | Participant
University of Sydney, Sydney, NSW – Australia

Teaching

- 2021 – 2022** University tutor, **KMA 154**, [Mathematics 1B](#), University of Tasmania
University tutor, **KMA 252**, [Calculus and Applications 2](#), University of Tasmania
- 2020 – 2022** University tutor, **KMA 153**, [Data Handling and Statistics](#), University of Tasmania
University tutor, **KME 272**, [Engineering Mathematics 2B](#), University of Tasmania
- 2020** University tutor, **KMA 155**, [Computational Science and Discrete Mathematics 1](#),
University of Tasmania
- 2019** Contract lecturer, **Mathematical biology (3rd year math unit)**, Nusa Cendana University
Contract lecturer, **English for Specific Purposes (1st year math unit)**, Nusa Cendana

University

2018 University tutor, **MATH 1013**, [Mathematics and Applications 1](#), Mathematical Sciences Institute, Australian National University

2015 – 2016 Teaching Assistant, **various first-year math units**, Nusa Cendana University

Exam Scribe

Working with the university's disability service to assist students that need exam scribe of the following subjects

2020 – 2022 KME 252: [Calculus and Applications 2](#)
KME 272: [Engineering Mathematics 2B](#)
KMA 153: [Data Handling and Statistics](#)
ENG 332: [Signal and Linear Systems](#)
ENG 333: [Power Systems 1](#)
ENG 331: [Control Systems 1](#)
ENG 431: [Power Systems 2](#)
ENG 441: [Power System Dynamics and Stability](#)

Community Service

[Society of Systematic Biologists](#)

2025 – General member

[Sigma Xi, the scientific research honor society](#)

2025 – Full membership

[WashU Postdoc Society](#)

2023 – Member

[National Postdoctoral Association](#)

2023 – Member

[AlumNode](#)

2021 – Student member

[Stochastic Modelling Meets Phylogenetics Research Group](#)

2019 – Group member

[UTas Theoretical Phylogenetics Research Group](#)

2019 – 2023 Student member

[Young Leaders for Indonesia](#)

2015 – Alumni member

Young Southeast Asian Leaders Initiative

2015 – Alumni member

Australian Mathematical Sciences Institute

2017 – 2023 Student member

Australian Mathematical Society

2017 – 2023 Student member

Australian and New Zealand Industrial and Applied Mathematics

2017 – 2023 Student member

PPIA Tasmania – Overseas Indonesian Students Association

2021 – 2023 Student member

2020 – 2021 Vice President

Island Innovation Ambassador Program

2021 Island ambassador

Mata Garuda NTT

2020 – 2021 Head of Communication and Informatics Division

Global Changemakers

2020 Participant of the 2020 Virtual Youth Summit

MITRA – Eastern Indonesian Students Foreign Relations Association

2016 – Advisory board

2015 – 2016 Community leader

2013 – 2015 Head of outreach department

2013 Co – founder

AIYA Eastern Indonesia Chapter – Australia Indonesia Youth Association

2014 Co – founder

2014 – 2015 Chapter treasurer

Awards and Invitations

The Heidelberg Laureates Forum Foundation

2022 Invited to attend [the 9th Heidelberg Laureate Forum](#)

2021 Invited to attend [the 8th Heidelberg Laureate Forum](#)

2020 Invited to attend [the virtual Heidelberg Laureate Forum](#)

Young Southeast Asian Leaders Initiative

2019 Invited to attend [the 2019 YSEALI Summit](#) in Phuket, Thailand

Indonesia Endowment Fund for Education

2016 Awarded by the head director of LPDP and PIC as one of the high-scoring participants on the final test during the pre-departure preparation (PK) for LPDP awardees batch 89

Australian National University

2015 Invited to attend [the 2015 ANU Asia Pacific Week](#) hosted by ANU College of Asia & the Pacific

Nusa Cendana University

2015 Awarded as the best graduate in the cohort (GPA 4.0 of 4.0)

Awarded as the fastest graduate in the cohort (completed bachelor's degree with research in 3.5 years)

Awarded as the youngest in the cohort (graduating at the age of 18)

2nd place at the 2015 English Debating Competition

2011 4th place of the 2011 Chemistry Quiz contest for high school students held by the Chemistry department

Indonesian Ministry of Research, Technology and Higher Education

2015 1st winner of the 2015 high-achieving student competition (MAWAPRES) at faculty level

1st winner of the 2015 ON MIPA – PT at university level

2014 1st winner of the 2014 high-achieving student competition (MAWAPRES) at faculty level

1st winner of the 2014 ON MIPA – PT at university level

PERTAMINA

2014 1st winner in mathematics at the 2014 National Science Olympiad at provincial level

2013 1st winner in mathematics at the 2013 National Science Olympiad at provincial level

PGRI University

2015 3rd place at the 2015 Regional University English Debating Competition (British Parliamentary style)

Pacific Countries Social and Economic Solidarity Association (PASIAD)

2008 Finalist at the 5th PASIAD National Mathematics Competition

Finalist at the 4th PASIAD National Mathematics Competition

Indonesian Ministry of Education and Cultures

- 2009** Top ten winner of KiHajar competition for high school students at provincial level
- 2007** 5th winner of the 2007 Mathematics and Science Olympiad (MIPA) for primary school students at provincial

Scholarships and Grants

ICERM

- 2024** Recipient of travel and accommodation supports to attend “[Current Methods and Open Problems in Mathematical and Statistical Phylogenetics](#)” workshop at ICERM

Recipient of travel and accommodation supports to attend “[From Phylogenetics to Phylogenomics: Mathematical and Statistical Challenges in the Era of Big Data](#)” workshop at ICERM

Recipient of travel and accommodation supports to attend “[Algorithmic Advances and Implementations Challenges: Developing Practical Tools for Phylogenetic Inference](#)” workshop at ICERM

NIH/NSF-EEID

- 2023** – Postdoctoral funded through NSF/NIH-EEID:
“[Phylogenetic modelling of viral transmission dynamics at the human wildlife interface in Uganda](#)” awarded to PI Michael Landis and other collaborators

StanCon

- 2023** Recipient of the StanCon grants to fully attend tutorials and conference of [StanCon 2023](#)

University of Tasmania

- 2019 – 2023** Recipient of the [Tasmania Graduate Research Scholarship](#) (TGRS) for PhD (tuition fees, living allowances and related expenditures)
- 2022** Recipient of the 2022 CoSE HDR COVID-recovery mobility scheme

Young Southeast Asian Leaders Initiative (YSEALI)

- 2019** Received a travel grant to fully attend the [2019 YSEALI summit](#) in Phuket, Thailand
- Granted a seed fund from the 2019 YSEALI summit for conducting social team project “Identify Identity” for underprivileged children in Sabah, Malaysia
- 2016** Received full scholarship for a 5-week study at the Northern Illinois University as part of the [2016 YSEALI academic fellowship](#) – Fall program.

Australian Mathematical Sciences Institute

- 2022** Awarded [the 2022 AMSI-AustMS Heidelberg Laureate Forum Travel Fund](#)
- 2021** Awarded [the registration scholarship](#) to participate at the 2021 AMSI BioInfoSummer symposium
- Awarded a full scholarship to attend the [2021 AMSI Summer School](#) program
- 2020** Awarded [the registration scholarship](#) to participate at the 2020 AMSI BioInfoSummer symposium
- 2019** Awarded the travel and accommodation grant to attend the [2019 AMSI BioInfoSummer](#) symposium
- 2018** Awarded the travel and accommodation grant to attend the 2018 AMSI BioInfoSummer symposium
- Awarded the travel and accommodation grant to attend the 2018 AMSI Summer School program

Indonesian Ministry of Finance

- 2017 – 2018** Recipient of the [LPDP scholarship](#) for master's degree (tuition fees, living allowances and related expenditures)

Young Leaders for Indonesia Foundation

- 2015** Granted student to attend [the Young Leaders for Indonesia](#) program batch 7 (travel and accommodation expenses)

Indonesian Ministry of Research, Technology and Higher Education

- 2015** Recipient of the 2015 Academic Achievement Scholarship (PPA) (tuition fees for undergraduate)
- 2014** Recipient of the 2014 Academic Achievement Scholarship (PPA) (tuition fees for undergraduate)

Van Deventer – Maas Stichting (VDMS) Foundation

- 2014 – 2015** Recipient of the [VDMS scholarship](#) for undergraduate

UniBRIDGE

- 2014** Granted student of the 2014 UniBRIDGE program for one-month visits to participating universities in Australia

Blog Writings

This list contains all the articles I have contributed over the years through my communities' blogs. The primary aim for these articles is promote community empowerment, particularly in Indonesia, by sharing personal experience in various topics, ranging from youth opportunities to scholarships.

- 2024** ["Mengenal program postdoctoral dan manfaatnya – Bagian I"](#)
- ["Mengenal program postdoctoral dan manfaatnya – Bagian II"](#)
- 2023** ["Berbagi Pengalaman Mendaftar Visa J-1 ke Amerika Serikat"](#)
- 2022** ["9th Heidelberg Laureate Forum Report"](#)
- 2020** ["Kilas Balik Pengalaman Mendaftar 8th Heidelberg Laureate Forum hingga Diundang"](#)
- 2019** ["Mengenal Sistem Orientasi Kampus di Australia Bagi Mahasiswa Baru"](#)
- ["Forum Diskusi Online Mahasiswa dan Dosen di Australia"](#)
- ["Berbagi Pengalaman Sebagai Tutor di Universitas di Australia"](#)
- ["Pengalaman Mendaftar Program PhD di Universitas Luar Negeri \(Mencari Supervisor Hingga Melamar Beasiswa\)"](#)
-
- ["Kelas Daring IELTS NTT's Webinar Series #2: How to get Research Internships – With Rebecca Latto, a research intern at Institute for Marine and Antarctic Studies \(IMAS\) University of Tasmania"](#)
-
- ["Kelas Daring IELTS NTT's Webinar Series #1: What Makes a Company Successful – With Tom and Albert from London"](#)
-
- ["Notulensi Bincang-Bincang Tes SBK Beasiswa LPDP Bersama Kelas Daring IELTS NTT \(Bagian I\)"](#)
- ["Notulensi Bincang-Bincang Tes SBK Beasiswa LPDP Bersama Kelas Daring IELTS NTT \(Bagian II\)"](#)
- ["Kelas Daring IELTS NTT's Webinar Series #4: Forestry, For Real School and Work in the Environmental Sector – With Caroline 'Dea' Tasirin, Yale Graduate in Forest Science and Lecturer at Sam Ratulangi University"](#)
- ["Kelas Daring IELTS NTT's Webinar Series #5: Remote Sensing & Environmental Monitoring – With Florina Stephanie Richard, Master of Science \(Research\) Candidate from Swinburne University of Technology"](#)
- ["Notulensi Bincang-Bincang Tes Wawancara Beasiswa LPDP Bersama Kelas Daring IELTS NTT \(Bagian I\)"](#)

[“Notulensi Bincang-Bincang Tes Wawancara Beasiswa LPDP Bersama Kelas Daring IELTS NTT \(Bagian II\)”](#)

[“Notulensi Sesi Diskusi Daring Bersama Kelas Daring IELTS NTT “Persiapan, Ekspektasi, dan Realita Studi Pascasarjana oleh Penerima Beasiswa di 4 Benua - Bagian I”](#)

[“Notulensi Sesi Diskusi Daring Bersama Kelas Daring IELTS NTT “Persiapan, Ekspektasi, dan Realita Studi Pascasarjana oleh Penerima Beasiswa di 4 Benua - Bagian II”](#)

2016

[“Berbagi Pengalaman Mendapatkan Beasiswa LPDP \(Bagian 1\)”](#)

[“Berbagi Pengalaman Mendapatkan Beasiswa LPDP \(Bagian 2\)”](#)

[“15 IELTS Tips from Albert”](#)

[“Academic IELTS – Reflecting on My Experience”](#)

[“A Brief Summary of My Journey with YSEALI Academic Fellowship – Fall Program 2016”](#)

[“Some Useful Tips on Applying for YSEALI Academic Fellowship Program”](#)

[“A Day of Youth Empowerment”](#)

[“Berbagi Pengalaman Mendapatkan Beasiswa LPDP”](#)

[“Tips untuk Melamar Beasiswa VDMS Bagi Mahasiswa Program Sarjana \(S1\) dan D3 di Indonesia”](#)

2015

[“A Story from Asia Pacific Week 2015”](#)

[“Asia Pacific Week”](#)

[“A Journey in Young Leaders for Indonesia Wave 7”](#)

[“Improving My Leadership Skills through the 2015 YLI Program”](#)

Volunteer Experiences

- **[Deall Indonesian National Mentoring Festival \(IMF\) 2024](#) | **Mentor (March 2024)**
Mentoring and knowledge sharing to 11 mentees with topics around scholarship and university applications, job interview, and English-preparation test (IELTS)**
- **[Deall Career Mentoring Festival \(DCMF\) 2022](#) | **Mentor (Nov – Dec 2022)**
Education and scholarship mentor at Indonesian’s largest jobs and mentoring platform.**
- **[Hobart’s Festival of Bright Ideas](#) | **UTas’ representation at maths booth (May 2022)****
- **University of Tasmania’s Open Day | Maths booth representation (Nov 2021)**
- **[UniBRIDGE’s Blog](#) | **Content Writer (Sep 2016 – Present)**
Writing some articles related to IELTS and scholarships for UniBRIDGE’s blog.**

- [Australia – Indonesia Youth Association’s Blog](#) | **Content Writer (Feb 2015 – Present)**
Contributing to the association’s blog by writing articles related to Indonesia and Australia.
- [Kelas Daring IELTS NTT](#) | **Founder (Jun 2019 – Jul 2021)**
Founder of the initiative with a goal to provide a free online IELTS course for communities in East Nusa Tenggara province. [The initiative](#) is also accompanied by other activities, including webinar series about scholarships and youth opportunities as well as online sharing sessions.
- **PPIA ACT’s Kakak Asuh Program | Mentor (Feb – Jul 2018)**
As a mentor for two newly commencing Indonesian students at the ANU adjusting with the university life.
- **PPI Australia’s IMPACT Program | Ambassador (Mar – Apr 2018)**
As an ambassador for the association’s “Improving Papua and East Nusa Tenggara’s Educations (IMPACT)” program through fund raising activities.
- [SET4ANU Orientation Program](#) | **Orientation Leader (Feb – Mar 2018)**
Mentoring newly commencing students at the Australian National University to adjust with university’s life and provide relevant assistances.
- [MITRA Mentoring Project](#) | **Initiator (Oct 2016 – Feb 2017)**
Initiating and providing mentorships for youths from the eastern part of Indonesia about scholarship and youth-related opportunities.
- [Indonesia Mengglobal](#) | **Mentor (May – Aug 2016)**
Participating as a mentor on scholarships and IELTS preparations through Indonesian Mengglobal Mentoring program.
- **International Education and Culture Fair 2016 | Committee Member (Feb 2016)**
As a member of the committees for the 2016’s International Education and Culture Fair held by Nusa Cendana University.
- [CAUSINDY Kupang Forum](#) | **Organiser (Sep 22nd, 2015)**
Organising online conference for Kupang forum of the Conference of Australian and Indonesian Youth (CAUSINDY) with Australia Indonesia Youth Association (AIYA) Eastern Indonesia (Previously known AIYA East Nusa Tenggara).
- **Fieldwork in Teunbaun Village | Student Participant (Jul – Sep 2015)**
A 3-month community service in Teunbaun village held by Nusa Cendana University. Helping to establish projects related to education, environment, and health.
- **MITRA Coastal Care | Project Initiator (May – June 2015)**
A personal leadership project through Young Leaders for Indonesia (YLI) Batch 7. Promoting environmental education through real action activities for people living near a coastal area in Kupang.
- **Green School Movement Program | Volunteer (Feb 2015)**
An initiative by *Yayasan Peduli Sesama* (SANLIMA) and the local forestry department and supported by MITRA, aimed to raise students’ participation in environment by giving students opportunity to plant their own saplings, started at SMAN 3 Kupang.
- **International Education and Culture Fair 2015 | Committee Member (Feb 2015)**
As a member of the committees for the 2015’s International Education and Culture Fair held by Nusa Cendana University.
- [BIPA Program](#) | **Language Buddy (Jun – Jul 2014)**
As a language partner for Australian students joining the 3-week intensive Bahasa Indonesia class at the Nusa Cendana University.
- **International Education and Culture Fair 2014 | Committee Member (Mar 2014)**

As a member of the committees of the first-ever international education and culture fair in Kupang. Invited scholarship and education agents such as Australia Awards, Fulbright, NZAS, IDP Education etc. This fair was held by the international relation office of Nusa Cendana University.

Advisors

PhD

[Prof. Barbara R. Holland](#)

Discipline of Mathematics, School of Natural Sciences
University of Tasmania

[Associate Prof. Małgorzata M. O'Reilly](#)

Discipline of Mathematics, School of Natural Sciences
University of Tasmania

Postdoctoral

[Assistant Prof. Michael J. Landis](#)

Department of Biology
Washington University in St. Louis