

CORE-STEP AUSTRALIA LEAD RESEARCHER

Dr. Connie Gan is a lecturer in Planetary Health at Griffith University. Her primary interest is transitioning healthcare towards a sustainable model and leveraging networked institutions for planetary health. She has led several projects, including a multi-country database for knowledge-sharing and policy action in China, Indonesia, and Vietnam, and a pilot for Climate Resilient and Environmentally Sustainable Health Care Facilities in Nepal in collaboration with HECAF360. She formerly consults at the WHO Kobe Centre, focusing on the Health Emergency and Disaster Risk Management (Health-EDRM) Knowledge Hub (2022-2023). As the coordinator of the Task Force on Health-Promoting Hospitals and the Asia Pacific Focal Point of the Women Leaders for Planetary Health Network, her goal is to expedite climate change policy action within the healthcare sector.

Professor Sara Davies
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CORE-STEP RESEARCH ADVISER

Sara Davies, a Professor of International Relations at Griffith University, Australia, also serves as the Deputy Director (Indo-Pacific Research) of the Australian Research Council Centre and is a Fellow of the Academy of the Social Sciences in Australia. She specializes in Global Health Governance and the Women, Peace and Security agenda. Her research career has focused on uncovering the political conditions that limit access to human rights, particularly in situations of disease outbreaks, conflict, and displacement. Her contribution to the discipline has been to use feminist methods to understand human insecurity and how non-Western institutions shape political behaviour, especially in the Indo-Pacific.

Associate Professor Bernadette Sebar
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CORE-STEP RESEARCH ADVISER

Associate Professor Bernadette is a Program Director of Bachelor (Honours) of Public Health Program at Griffith University's. Her work is focused on the social, environmental, and cultural determinants of health, with a particular interest in gendered discourses. In 2023 Assoc Prof Bernadette won the Vice Chancellor's Excellence Award for 'Most Outstanding Contribution to the Development of Short Term Global Mobility Programs' for her work on the Building Public Health Capacity in Cambodian Communities short-term program.

CORE-STEP PHD RESEARCHER

Lieke Vorage, a Ph.D. candidate at Griffith University, is focused on enhancing nutrition and physical activity in Australian Family Day Care services. She holds a Bachelor's degree in Public Health and a Master's degree in Health Food Innovation Management. As a member of the CORE-STEP project, her responsibilities include practical tasks and compiling policies related to primary health care responses to climate change in both Indonesia and Australia.

Dr. Connie Cai Ru Gan
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CORE-STEP MASTER RESEARCHER

Cicely Nurse earned her Bachelor of Biomedical Science in 2023. She is now pursuing a Master of Public Health at Griffith University. Her dissertation, part of the CORE-STEP project, focuses on its social equity aspects. Cicely was awarded the Health Dean Summer Research Scholarship to conduct a Gender Analysis on the CORE-STEP project. She takes on the responsibility of assisting with various organizational tasks. She leverages the power of social media platforms to share relevant information and updates, thereby enhancing the organization's digital presence and reach.



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Climate Ready Primary Health Care Systems

PARTICIPANTS PROFILES

CORE-STEP: Advancing Innovative Knowledge-Based Solutions
for Inclusive and Climate Ready Primary Health Care Systems

www.core-step.corescience.id

ABOUT PROJECT

CORE-STEP is a collaborative project between Universitas Syiah Kuala (Indonesia) and Griffith University (Australia), with partnering organisations including the Health Crisis Centre, Ministry of Health Indonesia; ICLEI Indonesia Local Governments for Sustainability, Cerdas Antisipasi Risiko Bencana / Smart Disaster Risk Prevention (CARI); Universitas Mataram, Universitas Pattimura, Universitas Syiah Kuala, International Network of Health Promoting Hospitals & Health Services.

The project's primary goal is to strengthen primary health care centres – known as Puskesmas in Indonesia, by delivering climate-just services that address the adverse effects of climate change.

Data collection will be conducted at selected sites in Indonesia (Banda Aceh, Ambon and Mataram) and the project includes an exchange visit and knowledge sharing, focusing on selected Primary Health Networks in Queensland, Australia.

The founding principles and fundamental values of CORE-STEP guides the creation of inclusive, climate-ready and innovative primary health care solutions that uphold best practices and satisfy local needs. The project contributes towards the development of primary health care that is climate resilient and focused on gender and social equality.

Research Collaborators



Supported by the Australian Government through KONEKSI

INDONESIA

RESEARSCHER

Ridha Ferdhiana, specialises in statistical computing with a Master's from North Dakota State University. She collaborates on research for tropical disease information extraction and has made notable contributions in Indonesia's districts mapping based on the scores of the 2017 high school national examination; a Rasch model analysis on the ability to analyse descriptive statistics (a case study of new students at Faculty of Mathematics and Natural Sciences); clustering of districts in Indonesia using the 2015 high school social sciences national examination results; and grouping the districts in Indonesia based on the value of science subjects of national examination using k-means clustering method.

Ridha Ferdhiana

Senior Lecturer in Statistics, Universitas Syiah Kuala, Indonesia

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STAKEHOLDER

Since 1994, **Syukriah** has served the Banda Aceh City Health Service, currently as the Head of the Public Health Division. She oversees Health Promotion, Community Empowerment, Family Health and Nutrition, and Environmental Health, and is involved in a national program addressing stunting. She previously led Health Promotion, advocating for proactive healthcare. Besides her Health Service role, she chairs the Banda Aceh branch of the Indonesian Public Health Promoters and Educators Association, leads the Community Health Center Development Team, assesses health institution accreditation, and coordinates the award-winning Healthy City District Development for Banda Aceh.

Syukriah

Head of the Public Health Division
of the Banda Aceh City Health Office, Indonesia

Dr Brury Apriadi Husaini

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CORE-STEP PHD RESEARCHER

A Medicine graduate from Universitas Syiah Kuala, **Dr. Brury** specialized in Hospital Administration. He started his career in 2012 at Dr. Zainoel Abidin General Hospital and later served as Deputy Director at Harapan Bunda Hospital. He's a healthcare consultant in Aceh, an Accreditation Surveyor, and the current director of Cempaka Lima Banda Aceh General Hospital, while pursuing his Doctorate at USK.

Nasliati

Masters in Disaster Science (Candidate),
Universitas Syiah Kuala, Indonesia and
Data Visualisation Specialist

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CORE-STEP MASTER RESEARCHER

With over a decade's experience in information systems, **Nasliati** is a dashboard specialist at Ministry of Finance. Her career spans government, international organisations, and private companies, starting with web application development in poverty reduction. She now specializes in creating data-driven, aesthetically pleasing dashboards, like the SISMONEV JKN DJSN for monitoring Indonesia's National Health Insurance program. Her expertise also includes building macroeconomic databases and tracking stunting prevention. Nasliati holds an Information Systems degree from Bung Karno University and is completing her Masters in Disaster Science at Universitas Syiah Kuala.

Hayatun Rahmi

Head of Lampulo Community Health Center,
Banda Aceh, Indonesia

STAKEHOLDER

Hayatun Rahmi, also known as Mrs Ochik, is the Head of the Lampulo Community Health Center in Banda Aceh City. She began her career as a midwife after graduating from the Health Nursing School and later earned a degree in Public Health Science. In 2012, she was promoted to her current position, where she achieved Plenary accreditation. She also serves as Treasurer for the Indonesian Midwives Association.

CORE-STEP RESEARCH ADVISER

Prof Taufik is a Computer Science Professor and Dean at Universitas Syiah Kuala, Indonesia. He researches AI, Machine Learning, Big Data Analytics, and Information Extraction. His key achievements include developing algorithms for extracting tropical disease information from online news and creating an acronym database for the Indonesian language. Taufik worked as a senior software engineer at Ask.com from 2006-2008, improving web search results and developing utilities for usage mining. He earned his Masters from the Royal Melbourne Institute of Technology, Australia, and a PhD from North Dakota State University, USA. He has held multiple leadership roles at USK.



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BANDA ACEH SITE COORDINATOR

Dr Hendra, an esteemed graduate of Syiah Kuala University's (USK) Faculty of Medicine, has been the Head of Family Medicine since 2008. He is a dedicated healthcare professional with extensive clinical experience, currently serving at USK Banda Aceh Teaching Hospital and Banda Aceh Army Hospital. His past projects reflect his commitment to public health initiatives. Dr Hendra continually expands his expertise, evidenced by his international experiences, including a COVID-19 Vaccine workshop in 2021, a Visiting Professorship in Canada, and a Visiting Lecturer and Research Scholar position in Taiwan. His global contributions also include a clerkship in Finland in 2007.



MATARAM

MATARAM SITE COORDINATOR

Ismiatul Ramadhian Nur

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CORE-STEP ADMIN AND FINANCE SUPPORT

Ismiatul Ramadhian Nur, or Dian, holds a Master's in Disaster Science from Universitas Syiah Kuala (USK), and a Geological Engineering degree from Universitas Gadjah Mada. She serves as a Research Assistant at the TDMRC, USK, contributing to disaster education research and the CORE-STEP project. Dian participates in regional vulnerability studies in Aceh and has assisted in disaster risk assessment for South Aceh and Bireuen district. In the CORE-STEP project, she handles admin, finance, and social media dissemination.

CORE-STEP INDONESIA LEAD RESEARCHER

Associate Professor Rina Oktari specializes in research areas such as disaster health, early warning systems, climate change, and community resilience. She has held leadership positions at USK and the Tsunami and Disaster Mitigation Research Center. Additionally, she serves as the Secretary of the Indonesian Disaster Management Society and the Chairperson of the Sociocultural Working Group of the Indonesian Association of Disaster Experts. Her career in disaster management began with the 2004 Tsunami Response in Aceh and has spanned over a decade, involving humanitarian work with organizations like Islamic Relief, the UN, and the Australian Government's LOGICA2 program. As an alumna of the Pan Asia Risk Reduction Fellowship Program at Kyoto University, she was honored as the Young Scientist of the Integrated Research on Disaster Risk in 2019.



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Dr Yusda Tuharea

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Dr Emirald Isfihan

Head of Mataram City Health Office, Indonesia

STAKEHOLDER

Dr. Emirald, a medical graduate from Hasanuddin University, began as a Civil Servant Doctor in 2008, and joined Mataram City Hospital in 2011. He has a Master's in Hospital Management and is currently studying Health Law at Hang Tuah University. He also works as a hospital surveyor and holds a FISQua degree from the International Society for Quality in Health Care.

Dr Yulia Sari Risnawati

Head of Babakan Community Health Center, Mataram, Indonesia

STAKEHOLDER

Dr. Yulia Sari Risnawati, or **Dr. Yulia**, is a dedicated physician who earned her General Medical Education degree from the Faculty of Medicine, Universitas Diponegoro, Semarang in 2010. Commencing her career as a civil servant doctor in the Regional Government of Mataram City in 2011, she later assumed the role of Head at the Selaparang Community Health Center in 2016. During her tenure, Dr. Yulia enhanced her skills through management training programs and successfully led the Babakan Community Health Center, achieving Plenary accreditation in 2023.



VICE RECTOR FOR ACADEMIC AFFAIRS UNIVERSITAS SYIAH KUALA, INDONESIA

Professor Agussabti specializes in food security, agricultural economics, technology, policy, and smart farming. With a doctorate from Bogor University, he researches adaptive strategies for smart farming and digital-based agricultural extension policies. Besides teaching, he is the Vice Rector for Academic Affairs at USK, with experience as Vice Rector for General Affairs and Finance and Dean of the Faculty of Agriculture.

Professor Agussabti

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CORE-STEP RESEARCH ADVISER

Prof Yani starting his career at the University of Andalas, Professor Yani furthered his studies at the University of Indonesia and Western Australia, earning his Doctorate from Universitas Gajah Mada in 2016. He served as a lecturer, department head, and Vice Dean at Universitas Syiah Kuala, and was the Head of the Provincial Health Office in Aceh from 2010 to 2016. He also served as the Deputy of Family Welfare at the National Family Planning Board from 2017 to 2021. Holding roles in the Public Health Association and Health Financing Association, Prof Yani has enhanced healthcare services, including transitioning Meuraxa Hospital to a Regional Public Service Agency and implementing Quality Management programs in Nanggroe Aceh Darussalam.

AMBON SITE COORDINATOR

Dr Bokiraiya, a Senior Lecturer in Forestry and Environmental Science at Universitas Pattimura, specializes in environmental hydrology, watershed management, and environmental impact analysis. She earned her Masters and Doctorate at Universitas Gadjah Mada and has been teaching since 2005. In addition to her academic work, she contributes to climate change research and is a member of the Indonesian Disaster Experts Association. She has authored Hydrology of Small Islands, Soil and Water Conservation, Watershed Management of Small Islands (textbook) and Modeling Land Use Change and Recession Characteristics of River Bed Flows (reference book).

STAKEHOLDER

Dr. Wendy Pelulessy, obtained her dentistry degree from Hasanuddin University. She began her career in Ambon City's health centres, subsequently leading the Waihaong and Rijali Public Health Centers. In 2013, she expanded her expertise, achieving a Masters in Public Health from her alma mater. As a testament to her innovative approach in the field, she escalated to the position of Head of the Health Promotion Department and later, in 2018, assumed the role of Head of the Ambon City Health Office. Dr. Pelulessy has been instrumental in disease prevention and managing the city's response to the COVID-19 pandemic. Furthermore, she has held significant leadership positions in several prominent Indonesian health associations.

Dr Wendy Pelulessy

Head of Ambon City Health Office, Indonesia

STAKEHOLDER

Dr. Yusda Tuharea served at the Ambon City Health Center and later became the Head of Disease Control and Environmental Health (P2PL) at the Ambon City Health Service. Here, she played a significant role in eradicating Malaria, making Ambon the first city in Maluku to achieve this feat. Since 2018, she has been the Head of Public Health, with a focus on reducing stunting cases. Dr. Tuharea recently completed her Master's degree in Health Policy Analysis. Her research has been instrumental in addressing the stunting issue in Ambon. Additionally, she is an active member of the Indonesian Doctors Association.