

ARIANTIKA

Epidemiology & Public Health Researcher

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PROFESSIONAL SUMMARY

Epidemiology and Public Health Researcher with over 8 years of experience in quantitative health research, focusing on infectious diseases and cancer epidemiology. Skilled in epidemiological analysis and scientific publishing, with proficiency in SPSS and growing experience in R for statistical analysis. My research focuses on understanding disease patterns and risk factors to improve population health outcomes, with particular interest in environmental and population health perspectives and their role in shaping disease distribution.

WORK EXPERIENCE

Research Assistant, Universitas Sumatera Utara

2017 – Present

Medan, Indonesia

- Supported epidemiological and environmental health research, including study design, data collection, database management, and research coordination.
- Conducted statistical analyses using SPSS and interpreted epidemiological findings.
- Managed and analyzed clinical and population-based datasets to identify disease patterns and risk factors.
- Contributed to scientific writing, manuscript preparation, and peer-reviewed publications.
- Assisted in preparing competitive research grant proposals for BIMA (Indonesia Ministry of Higher Education, Science, and Technology) and SingHealth Singapore funding programs.
- Collaborated with multidisciplinary teams and ensured data quality and research compliance.

Administrative Staff, Emergency Department, Adam Malik General Hospital

2021 – 2023

Medan, Indonesia

- Supported administrative coordination for hospital operations and multidisciplinary activities.
- Assisted the Hospital Disaster Management Team in emergency preparedness and disaster response coordination.
- Managed operational documentation, records, and interdepartmental communications while ensuring accuracy, confidentiality, and regulatory compliance.

EDUCATION

Master of Public Health (Epidemiology), Universitas Sumatera Utara, Indonesia

2022 – 2024

Medan, Indonesia

- GPA: 3.85 / 4.00

Bachelor of Public Health (Environmental Health),

Universitas Sumatera Utara, Indonesia

2012 – 2017

Medan, Indonesia

- GPA: 3.34 / 4.00

RESEARCH INTERESTS

Global Health and Population Health • Health Equity and Social Determinants of Health • Cancer and Infectious Disease Epidemiology • Precision Public Health • Environmental and Occupational Health • Health Data Analysis and Epidemiological Modelling

LANGUAGES

Indonesian (Native), English (Upper Intermediate)

SKILLS

Technical & Analytical

- SPSS (proficient)
- R (growing experience)
- Microsoft Excel
- Epidemiological study design
- Quantitative data analysis
- Regression analysis

Research & Scientific

- Scientific writing and academic publishing
- Academic editing and research documentation

Core Competencies

- Critical thinking
- Problem solving
- Scientific communication
- Collaboration

PUBLICATIONS & RESEARCH

Ariantika et al. Assessment of quality of life in advanced-stage lung cancer patients using EORTC QLQ-C30 questionnaire  , <i>Journal Respirologi Indonesia (National Accredited, published)</i>	2024
Ariantika et al. Dyspnea and Family Support as Determinants of Quality of Life in Advanced Lung Cancer: Implications for Respiratory Therapy Practice, <i>Canadian Journal of Respiratory Therapy (Q2, Under Review)</i>	2026
Ariantika et al. Five-Year Trends and Incidence of Healthcare-Associated Infections in an Indonesian Teaching Hospital: A Retrospective Surveillance Study (2021–2025), <i>Epidemiologia (Q2, Under Review)</i>	2026
Ariantika et al. Innovation of Biophilic Elements to Reduce Transmission Risk, Enhance Recovery, and Support Psychological Health for Pulmonary Tuberculosis Patients in Isolation Rooms, <i>Health & Place (Q1, submitted)</i>	2026

ACADEMIC BOOK CONTRIBUTIONS & EDITORIAL EXPERIENCE

Scientific Editor and Academic Contributor

Contributed to academic book publications as both content contributor and scientific editor, with responsibilities including scholarly content development, reference standardization, and language refinement.

Selected publications:

- *Lung Cancer in Women* — ISBN: 978-602-465-526-6, 2023
- *Thyroid Cancer: A Comprehensive Explanation* — ISBN: 978-602-465-489-4, 2023
- *Salivary Gland Tumors* — ISBN: 978-623-97754-2-1, 2022
- *Skin Cancer* — ISBN: 978-623-97754-0-7, 2021
- *Diagnosis and Management of Benign Breast Disorders* — ISBN: 978-623-97754-1-4, 2021

PROFESSIONAL DEVELOPMENT

Masterclass on Systematic Literature Review (SLR), Meta-Analysis, and Scoping Review for Publication in Reputable Journals, <i>Ebizmack Academy</i>	2026 National Webinar
Genomics and Science Dojo 2025 Cycle 2 (Shinjitsu Mini Tournament), <i>Shinjitsu (Supported by British Embassy Jakarta)</i>	2025 Jakarta, Indonesia
Workshop: Accelerating and Improving Journal Quality with Artificial Intelligence (AI), <i>JobQita</i>	2024 Medan, Indonesia

LEADERSHIP & ORGANIZATIONAL EXPERIENCE

Partnership & Network Team, <i>Smart Generation Community, Universitas Sumatera Utara</i> • Developed partnerships and supported scientific community engagement • Contributed to student development and academic activities	2012 – 2016 Medan, Indonesia
Member, <i>Anti-Tobacco Movement Worldwide</i> • Participated in public health campaigns promoting tobacco control	2014 – 2015
Youth Volunteer, <i>SAHIVA Universitas Sumatera Utara</i> • Involved in health education programs on HIV/AIDS prevention and reproductive health • Conducted workshop and seminar for school about education on hygiene and healthy lifestyle	2012 – 2013 Medan, Indonesia