Aldilas Achmad Nursetyo, M.D., M.Sc.

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Summary of Experience

Since 2017, Aldilas has been actively involved in contribute and developing at national and regional level, either academically or direct consultancy. He has experience in developing monitoring and evaluation system in National Family Planning Coordinating Agency (BKKBN) and strengthening national disease surveillance system, especially for early warning and response system (EWARS). He also experienced in research methodology, either quantitative or qualitative methodology, while demonstrating excelence scientific writing and publication experience.

Education

Taipei Medical University, M.Sc. Biomedical Informatics   2019

Universitas Muhammadiyah Yogyakarta, M.D.   2015

Universitas Muhammadiyah Yogyakarta, Bachelor of Medicine   2012

Projects

Period	Name of Activity/funding organization	Job Titles and Activities Undertaken
2021-2022	Integrated Health Surveillance System Supporting Covid-19 Emergency Response Operations / World Bank Group	Consultant: Analyse workflow of Allrecord TC-19, an application used by Indonesia government to collect PCR and rapid antigen result for COVID-19 surveillance. Building online user guideline for Allrecord TC-19 application to help user get the update from the app. Held two batch of one week FHIR workshops for public/private hospitals, HIMS vendors, and healthcare startups.
2021-present	Improving Quality of Disease Preparedness, Surveillance & Response In Indonesia (INSPIRASI) / CDC USA	Researcher : Analyse Indonesia national health insurance claims on capability to monitor potentially outbreak infectious disease surveillance using time series analysis and data visualization. Designing dashboard presentation of infectious disease surveillance using Indonesia national health insurance claims data to support potentially outbreak infectious disease surveillance program in Indonesia. Writing scientific publication on quality of Early Warning and Response System reporting in primary health care facility. Writing policy brief on implementation of Public Health Emergency Operation Center in regional settings.

Period	Name of Activity/funding organization	Job Titles and Activities Undertaken
2020	Evaluation of Healthcare Gaps in Indonesian Health System / African Medical and Research Foundation (AMREF)	Co - Principal Investigator: Assisting Principal Investigator in conducting evaluation of healthcare system gaps with a focus on IBD, cancer, rare diseases and PDT treatment in Indonesia; Developing both quantitative and qualitative data collection methods from the stakeholders including governmental authorities, public and private healthcare providers (hospitals and primary care), healthcare NGOs, pharmaceutical companies; Coordinating field researcher in conducting data collection at national and regional level.
2020	Post-Abortion Care Supply Chain Management Assesment in Indonesia / Ipas	Consultant : Conducting Post-Abortion Care Supply Chain Management assesment in Indonesia involving MoH, public health office staffs, public health center staffs, hospital staffs, and post-abortion care logistics supplier.; Responsible for designing methodology and instruments.; Responsible for data quantitative and qualitative data collection and analysis.
2019	Evaluation of Clinical Pathway Implementation in General Hospital in Indonesia / Research and Development Ministry of Health Indonesia	Field Researcher Coordinator : Coordinating with Principal Investigator in conducting data collection in the field; Coordination with the hospital for data collection procedure; Coordination with several enumerator for conduction data collection; Preparing qualitative data collection report (transription and verbatim) to Principal Investigator.
2016-2017	Developing Monitoring and Evaluation System for Family Planning Program in National Family Planning Coordinating Agency (BKKBN) / Bill-Melinda Gates Foundation	Information Technology Specialist : Doing needs assesment on monitoring and evaluation capacity in BKKBN. Then from the assesment result, designing monitoring and evaluation information system in national, regional, and district levels.

Publication

Publication Title	Publisher	Year
Quality of National Disease Surveillance Reporting before and during COVID-19: A Mixed-Method Study in Indonesia	International journal of environmental research and public health	2022
Social media sentiment analysis to monitor the performance of vaccination coverage during the early phase of the national COVID-19 vaccine rollout	Computer methods and programs in biomedicine	2022

Publication Title	Publisher	Year
Community Mobility and COVID-19 Dynamics in Jakarta, Indonesia	International Journal of Environmental Research and Public Health	2022
Using machine learning models to predict the initiation of renal replacement therapy among chronic kidney disease patients	Plos one	2020
Virtual reality among the elderly: a usefulness and acceptance study from Taiwan	BMC geriatrics	2019
Prediction of clinical events in hemodialysis patients using an artificial neural network	MEDINFO 2019: Health and Wellbeing e-Networks for All	2019
Graft Rejection Prediction Following Kidney Transplantation Using Machine Learning Techniques: A Systematic Review and Meta-Analysis.	MedInfo	2019
Roles of sedentary behaviors and unhealthy foods in increasing the obesity risk in adult men and women: A cross-sectional national study	Nutrients	2018
Mobile and wearable technologies in healthcare for the ageing population	Computer methods and programs in biomedicine	2018
Artificial intelligence in neurosciences: A clinician's perspective	Neurology India	2018
Artificial-intelligence-based prediction of clinical events among hemodialysis patients using non-contact sensor data	Sensors	2018
SlimMe, a Chatbot with Artificial Empathy for Personal Weight Management: System Design and Finding	Frontiers in Nutrition	NA
Roles of sedentary behaviors and unhealthy foods in increasing the obesity risk in adult men and women: a cross-sectional national study. Nutrients. 2018; 10 (6): 704		NA