

# Aldilas Achmad Nursetyo

RESEARCHER & TECHNICAL OFFICER

Center for Tropical Medicine, Universitas Gadjah Mada | ASEAN Biodiaspora Virtual Center

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## Education

### Faculty of Medicine and Health Sciences, Universitas Muhammadiyah Yogyakarta

BACHELOR OF MEDICINE

Yogyakarta, Indonesia

2007-2012

### Faculty of Medicine and Health Sciences, Universitas Muhammadiyah Yogyakarta

MEDICAL DOCTOR

Yogyakarta, Indonesia

2012-2014

### Graduate Institute of Biomedical Informatics, Taipei Medical University

MASTER OF SCIENCE (BIOMEDICAL INFORMATICS)

ROC Taiwan

2017-2019

## Employment

### ASEAN Biodiaspora Virtual Center

TECHNICAL OFFICER

Jakarta, Indonesia

2023-present

- Responsible for developing surveillance data standards for ASEAN region
- Develop Standard Operating Procedure for infectious disease surveillance data sharing in ASEAN region
- Responsible for data collection and analysis of biological threat based on epidemic intelligence

### World Bank Group

CONSULTANT

Jakarta, Indonesia

2021-2024

- Provide technical assistance on interoperability in Satu Sehat using FHIR
- Provide technical assistance for interoperability between TB reporting, Satu Sehat Platform, and BPJS

### Center for Tropical Medicine

RESEARCHER

Yogyakarta, Indonesia

2020-present

- Epidemic intelligence
- Infectious disease transmission dynamics

### Center for Health Policy and Management

RESEARCHER

Yogyakarta, Indonesia

2017-2023

- INSPIRASI Project: 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.
- As Co-Principal Investigator for evaluation of healthcare system gaps with a focus on IBD, cancer, rare diseases and PDT treatment in Indonesia funded by African Medical Research Foundation (AMREF).
- Developing monitoring and evaluation system for family planning program in National Family Planning Coordinating Agency (BKKBN)

### Sinergi Sehat Indonesia

RESEARCHER

Yogyakarta, Indonesia

2020-2023

- 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.
- Develop assessment tools analyse quantitative and qualitative analysis on evaluation of TB Children program in Indonesia

### Apotek Viva Generik

GENERAL PRACTITIONER

Yogyakarta, Indonesia

2020-2021

- Medical doctor

### International Center for Health Information Technology, Taipei Medical University

RESEARCH ASSISTANT

Taipei, ROC Taiwan

2018-2019

- ASsist professor on manuscript writing

### RSUD Inche Abdoel Moeis

INTERN

Samarinda, Indonesia

2015-2016

- Medical doctor intern

1. Uddin, M., Nursetyo, A. A., Iqbal, U., Nguyen, P.-A., Jian, W.-S., Li, Y.-C., & Syed-Abdul, S. (2023). Assessment of effects of moon phases on hospital outpatient visits: An observational national study. *AIMS Public Health*, 10(2), 324–332. <https://doi.org/10.3934/publichealth.2023024>
2. Thakur, S. S., Abdul, S. S., Chiu, H.-Y. (Shannon), Roy, R. B., Huang, P.-Y., Malwade, S., Nursetyo, A. A., & Li, Y.-C. (Jack). (2018). Artificial-Intelligence-Based Prediction of Clinical Events among Hemodialysis Patients Using Non-Contact Sensor Data. *Sensors*, 18(9), 2833. <https://doi.org/10.3390/s18092833>
3. Syed-Abdul, S., Malwade, S., Nursetyo, A. A., Sood, M., Bhatia, M., Barsasella, D., Liu, M. F., Chang, C.-C., Srinivasan, K., M., R., & Li, Y.-C. J. (2019). Virtual reality among the elderly: A usefulness and acceptance study from Taiwan. *BMC Geriatrics*, 19(1), 223. <https://doi.org/10.1186/s12877-019-1218-8>
4. Rahmanti, A. R., Yang, H.-C., Bintoro, B. S., Nursetyo, A. A., Muhtar, M. S., Syed-Abdul, S., & Li, Y.-C. J. (2022). SlimMe, a Chatbot With Artificial Empathy for Personal Weight Management: System Design and Finding. *Frontiers in Nutrition*, 9, 870775. <https://doi.org/10.3389/fnut.2022.870775>
5. Rahmanti, A. R., Chien, C.-H., Nursetyo, A. A., Husnayain, A., Wiratama, B. S., Fuad, A., Yang, H.-C., & Li, Y.-C. J. (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*, 221, 106838. <https://doi.org/10.1016/j.cmpb.2022.106838>
6. Putra, F. R., Nursetyo, A. A., Thakur, S. S., Roy, R. B., Syed-Abdul, S., Malwade, S., & Li, Y.-C. J. (2019). Prediction of Clinical Events in Hemodialysis Patients Using an Artificial Neural Network. *Studies in Health Technology and Informatics*, 264, 1570–1571. <https://doi.org/10.3233/SHTI190539>
7. Nurwanti, E., Uddin, M., Chang, J.-S., Hadi, H., Syed-Abdul, S., Su, E. C.-Y., Nursetyo, A. A., Masud, J. H. B., & Bai, C.-H. (2018). Roles of Sedentary Behaviors and Unhealthy Foods in Increasing the Obesity Risk in Adult Men and Women: A Cross-Sectional National Study. *Nutrients*, 10(6), 704. <https://doi.org/10.3390/nu10060704>
8. Nursetyo, A. A., Syed-Abdul, S., Uddin, M., & Li, Y.-C. J. (2019). Graft Rejection Prediction Following Kidney Transplantation Using Machine Learning Techniques: A Systematic Review and Meta-Analysis. *Studies in Health Technology and Informatics*, 264, 10–14. <https://doi.org/10.3233/SHTI190173>
9. Nanda, R. O., Nursetyo, A. A., Ramadana, A. L., Imron, M. A., Fuad, A., Setyawan, A., & Ahmad, R. A. (2022). Community Mobility and COVID-19 Dynamics in Jakarta, Indonesia. *International Journal of Environmental Research and Public Health*, 19(11), 6671. <https://doi.org/10.3390/ijerph19116671>
10. Malwade, S., Abdul, S. S., Uddin, M., Nursetyo, A. A., Fernandez-Luque, L., Zhu, X. (Katie), Cilliers, L., Wong, C.-P., Bamidis, P., & Li, Y.-C. (Jack). (2018). Mobile and wearable technologies in healthcare for the ageing population. *Computer Methods and Programs in Biomedicine*, 161, 233–237. <https://doi.org/10.1016/j.cmpb.2018.04.026>
11. Hardhantyo, M., Djasri, H., Nursetyo, A. A., Yulianti, A., Adipradipta, B. R., Hawley, W., Mika, J., Praptiningsih, C. Y., Mangiri, A., Prasetyowati, E. B., & Brye, L. (2022). 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*, 19(5), 2728. <https://doi.org/10.3390/ijerph19052728>
12. Hardhantyo, M., Djasri, H., Nursetyo, A. A., Donna, B., Ariani, M., Pangaribuan, H., Yogadhita, G. Y., Yulianti, A., & Adipradipta, B. R. (2023). Evidence-Based Policy Recommendations for Public Health Emergency Operation Centers in Regional Settings: A Case Study in Indonesia. *Public Health Reviews*, 44, 1604899. <https://doi.org/10.3389/phrs.2023.1604899>
13. Ganapathy, K., Abdul, S., & Nursetyo, A. (2018). Artificial intelligence in neurosciences: A clinician's perspective. *Neurology India*, 66(4), 934. <https://doi.org/10.4103/0028-3886.236971>
14. Dovgan, E., Gradišek, A., Luštrek, M., Uddin, M., Nursetyo, A. A., Annavarajula, S. K., Li, Y.-C., & Syed-Abdul, S. (2020). Using machine learning models to predict the initiation of renal replacement therapy among chronic kidney disease patients. *PLOS ONE*, 15(6), e0233976. <https://doi.org/10.1371/journal.pone.0233976>