



Pandji Wibawa Dhewantara, Ph.D

[ResearchGate](#) – [Google Scholar](#) - [ORCID](#) - [Publons](#) - [Scopus](#)

Position: *Junior Researcher*

Affiliation: National Institute of Health Research and Development, Ministry of Health of Indonesia, Jakarta, Indonesia

Research focus: *Epidemiology, Medical geography, Zoonoses, Vector-borne diseases, One Health*

Personal details

Date of birth: February 20, 1982

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Qualification

Ph.D (2016 – 2019) – Epidemiology and Public Health

University of Queensland, AUSTRALIA. Thesis: Spatial epidemiological approaches to measure and monitor the drivers of human leptospirosis in China

M.Sc (2008 – 2010) – Environmental Science, Padjadjaran University, Indonesia

B.Sc (2000 – 2005) – Biology, Padjadjaran University, Indonesia

Professional experiences

- **Junior researcher** (December 2009 – now), Centre for Health Research & Development of Public Health Effort, National Institute of Health Research and Development, Ministry of Health of Indonesia, Jakarta, Indonesia.
- **Research Officer – One Health AMR Epidemiologist** (March – October 2019), School of Veterinary Science, University of Queensland, Australia.

Publications (last 5 years)

1. Gelaw YA, Assefa Y, Soares Magalhaes RJ, Demissie M, Tadele W, **Dhewantara PW**, Williams G. TB and HIV Epidemiology and Collaborative Service: Evidence from Ethiopia, 2011-2015. HIV AIDS (Auckl). 2020 Dec 3;12:839-847. <https://doi.org/10.2147/HIV.S284722>

2. Juhairiyah J, Andiarsa D, Indriyati L, Ridha MR, Prasodjo RS, **Dhewantara PW**. Spatial analysis of malaria in Kotabaru, South Kalimantan, Indonesia: an evaluation to guide elimination strategies. *Trans R Soc Trop Med Hyg*. 2020 Nov 9:traa125. <https://doi.org/10.1093/trstmh/traa125>
3. **Dhewantara PW**, Zhang W, Al Mamun A, et al. Spatial distribution of leptospirosis incidence in the Upper Yangtze and Pearl River Basin, China: Tools to support intervention and elimination. *Sci Total Environ*. 2020;725:138251. <https://doi.org/10.1016/j.scitotenv.2020.138251>
4. Harapan H, Michie A, Yufika A, **Dhewantara PW**, et al. Effects of El Niño Southern Oscillation and Dipole Mode Index on Chikungunya Infection in Indonesia. *Trop Med Infect Dis*. 2020;5(3):E119. Published 2020 Jul 16. <https://doi.org/10.3390/tropicalmed5030119>
5. Ipa M, Widawati M, Laksono AD, Kusriani I, **Dhewantara PW**. Variation of preventive practices and its association with malaria infection in eastern Indonesia: Findings from community-based survey. *PLoS One*. 2020;15(5):e0232909. Published 2020 May 7. <https://doi.org/10.1371/journal.pone.0232909>
6. **Dhewantara PW**, Lau CL, Allan KJ, Hu W, Zhang W, Mamun AA, and Soares Magalhães, Ricardo J. Spatial epidemiological approaches to inform leptospirosis surveillance and control: a systematic review and critical appraisal of methods.. (2018). *Zoonoses and Public Health* 66 (2) 185-206. <https://doi.org/10.1111/zph.12549>
7. **Dhewantara PW**, Mamun AA, Zhang WY, Yin WW, Ding F, Guo D, Hu W and Magalhães, Ricardo J. Soares (2018). Geographical and temporal distribution of the residual clusters of human leptospirosis in China, 2005–2016. *Scientific Reports* 8 (1) 16650. <https://doi.org/10.1038/s41598-018-35074-3>
8. **Dhewantara PW**, Mamun AA, Zhang WY, Yin WW, Ding F, Guo D, Hu W, Costa F, Ko AI, Soares Magalhães RJ. Epidemiological shift and geographical heterogeneity in the burden of leptospirosis in China. *Infect Dis Poverty*. 2018 May 18;7(1):57. <https://doi.org/10.1186/s40249-018-0435-2>
9. **Dhewantara PW**, Ruliansyah A, Fuadiyah ME, Astuti EP, Widawati M. Space-time scan statistics of 2007-2013 dengue incidence in Cimahi City, Indonesia. *Geospat Health*. 2015 Nov 27;10(2):373. <https://doi.org/10.4081/gh.2015.373>
10. Astuti EP, **Dhewantara PW**, Prasetyowati H, Ipa M, Herawati C, Hendrayana K. Paediatric dengue infection in Cirebon, Indonesia: a temporal and spatial analysis to inform surveillance. *Parasit Vectors*. 2019 Apr 29;12(1):186. <https://doi.org/10.1186/s13071-019-3446-3>
11. **Dhewantara PW**, Ipa M, Widawati M. Individual and contextual factors predicting self-reported malaria among adults in eastern Indonesia: findings from Indonesian community-based survey. *Malar J*. 2019 Apr 4;18(1):118. <https://doi.org/10.1186/s12936-019-2758-2>
12. Xu Z, Bambrick H, Yakob L, Devine G, Frentiu F, Marina R, **Dhewantara PW**, Nusa R, Sasmono RT, Hu W. Using dengue epidemics and local weather in Bali, Indonesia to predict imported dengue in Australia. *Environ Res*. 2019 Aug, 175:213-220. <https://doi.org/10.1016/j.envres.2019.05.021>

13. **Dhewantara PW**, Marina R, Puspita TJ, Ariati J, Hananto M, Hu W, Soares Magalhaes RJ. Spatial and temporal variation of dengue incidence in the island of Bali, Indonesia. *Travel Med Infect Dis*. 2019 Jul 27;101437. <https://doi.org/10.1016/j.tmaid.2019.06.008>
14. **Dhewantara PW**, Hu W, Mamun A, Zhang WY, Yin WW, Ding F, Soares Magalhaes RJ. Climate variability, satellite-derived environmental data and human leptospirosis: A retrospective ecological study in China. *Environ Res*. 2019 Sep, 176:108523. <https://doi.org/10.1016/j.envres.2019.06.004>
15. **Dhewantara PW**, Mamun AA, Zhang WY, Yin WW, Ding F, Guo D, Hu W, Magalhães RJS. Geographical and temporal distribution of the residual clusters of human leptospirosis in China, 2005-2016. *Sci Rep*. 2018 Nov 9;8(1):16650. <https://doi.org/10.1038/s41598-018-35074-3>
16. **Dhewantara PW**, Mamun AA, Zhang WY, Yin WW, Ding F, Guo D, Hu W, Costa F, Ko AI, Soares Magalhães RJ. Epidemiological shift and geographical heterogeneity in the burden of leptospirosis in China. *Infect Dis Poverty*. 2018 May 18;7(1):57. <https://doi.org/10.1186/s40249-018-0435-2>

Grants-Awards

- Royal Society of Tropical Medicine and Hygiene (RSTMH) - National Institute for Health Research (NIHR) Small-Grants (£ 5000) (2020-2021). Project title: *Prevalence of soil-transmitted helminth infections in rural school-aged children (SAC) in Garut, West Java, Indonesia*.
- National Institute of Health Research & Development – Ministry of Health of Indonesia (2020). Project title: *Geospatial analysis and Big Data utilization for COVID-19 in Indonesia*.
- Bill & Melinda Gates Young Investigator Awards – *ICID 2020, Kuala Lumpur, Malaysia*
- Australia Awards Scholarships – PhD program (2015-2019).
- Young Investigator Awards 2017 – The 66th American Society of Tropical Medicine and Hygiene (ASTMH) Annual Meeting, Baltimore, Maryland, United States of America (2017).
- Recipient of Career Development Awards, Graduate School, The University of Queensland, Australia (2017).

Peer-reviews (*for complete record please see my Publons*)

- Transboundary and Emerging Diseases
- Zoonoses and Public Health
- Transactions of the Royal Society of Tropical Medicine and Hygiene
- Malaria Journal
- BMJ Open

Professional associations

- Royal Society of Tropical Medicine and Hygiene (2019 – now)
- GnosisGIS (2020 – now)