

PROPOSITIONS to the THESIS

ICU-acquired Carbapenem-non-susceptible Bacilli in Indonesia

Focus on:

Acinetobacter baumannii, *Klebsiella pneumoniae* and *Pseudomonas aeruginosa*

by

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1. Use of carbapenem class antibiotics during ICU stay is the major independent risk factor for acquiring carbapenem-non-susceptible bacilli in Indonesia. *(this thesis)*
2. Patients who are referred to Indonesian ICUs should be screened for carbapenem-non-susceptible bacilli on the day of admission. *(this thesis)*
3. Carbapenem-non-susceptible strains of *Acinetobacter baumannii*, *Klebsiella pneumoniae* and *Pseudomonas aeruginosa* show endemicity of a few clones that are circulating among patients and the environment in Indonesian ICUs. *(this thesis)*
4. Inexpensive interventions aiming to prevent the acquisition of multidrug-resistant pathogens in ICUs are feasible and may be quite effective in lower-middle-income countries. *(this thesis)*
5. When constructing or renovating ICU facilities, even in low-resource settings, one should avoid creating typical environmental niches for ICU pathogens and provide structural barriers to the spread of micro-organisms in general. *(this thesis)*
6. ICU patients in Indonesia are routinely treated with broad spectrum antibiotics, especially carbapenems, without proper attempt to establish a clinical microbiological diagnosis. *(Hadi U. et al., Trop Med Int Health 2008)*
7. The evolution of clinical microbiology has reinforced the importance of clinical microbiologists' participation in antimicrobial stewardship programs, they need to have "a seat at the captain's table". *(Morency-Potvin P. et al., Clin Microbiol Rev 2016)*
8. The value of P can be increased by decreasing its threshold value for statistical significance from 0.05 to 0.005. *(Johnson VE, PNAS 2013)*
9. The wellness of physicians is vital to the delivery of high-quality health care, it should, therefore, be routinely measured. *(Wallace JE et al., Lancet 2009)*
10. Minangkabau *adat* writings are important documents, they offer a particular view of Minangkabau life that mediates between culture and the political realities of the day. *(Blackwood E, J Asian Studies 2001)*
11. Life is not about waiting for the storm to pass, it's about learning to dance in the rain. *(Vivian Greene, 2006)*