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Antimicrobial resistance in Indonesia, prevalence, determinants and genetic basis

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Stellingen behorende bij het proefschrift

**Antimicrobial Resistance in Indonesia
Prevalence, determinants and genetic basis**

Juliëtte Astrid Severin

1. Trimethoprim-sulfamethoxazole should not be used as empiric treatment of urinary tract infections in Indonesia. (*This thesis*)
2. Methicillin-sensitive *Staphylococcus aureus* carrying the Panton-Valentine leukocidin genes are successful human commensals in Indonesia and belong to distinct phylogenetic subpopulations. (*This thesis*)
3. In Semarang, hospitalized patients with recent antibiotic use are at risk of becoming colonized with a multiresistant *Staphylococcus sciuri*. (*This thesis*)
4. Fluoroquinolone resistance among *Escherichia coli* in Indonesia predominantly regards the less virulent but highly adaptable strains within this species. (*This thesis*)
5. $bla_{\text{CTX-M-15}}$ is the most prevalent extended-spectrum β -lactamase (ESBL) in ESBL-producing *E. coli* strains from both fecal flora and clinical specimens in Indonesia. (*This thesis*)
6. Joint research with mutual benefits leads to long-term scientific cooperation.
7. Uit het feit dat $bla_{\text{CTX-M-15}}$ voor het eerst in 2000 in stammen uit de familie van de Enterobacteriaceae in India is aangetoond en dat $bla_{\text{CTX-M-15}}$ nu veel voorkomt in dat land en elders op de wereld, kan niet worden geconcludeerd dat de oorsprong van $bla_{\text{CTX-M-15}}$ in India ligt. (*FEMS Microbiol Letters (2001) 201:237-41, Clin Microbiol Infect (2008) 14:159-65*)
8. Antimicrobial resistance is opposite to the good things in life: it is easy to get, but hard to lose. (*Lancet Infect Dis (2009) 9:357-64*)
9. Any strategy to combat antimicrobial resistance in Indonesia should include the surveillance of antibiotic use and misuse in animal husbandry. (*World Health Organization, 2001*)
10. Een dreigende griepvloed is vooral lucratief voor producenten en leveranciers van handalcohol en persoonlijke beschermingsmiddelen.
11. Een chocolade-agarplaat is helaas iets minder smakelijk dan de naam doet vermoeden.