

## COMPARATIVE STUDY OF *Aeromonas hydrophila* SENSITIVITY ON MENIRAN (*Phyllanthus niruri*, Linn) INFUSUM AND OXYTETRACYCLINE IN VITRO

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### ABSTRACT

The aim of the present study was to compare *Aeromonas hydrophila* sensitivity on Meniran (*Phyllanthus niruri*, Linn) infusum and oxytetracycline. The study used dilution of Minimum Inhibitory Concentration to observe the inhibition potency it on bacteria and Minimum Bactericidal Concentration to observe the potency in killing on bacteria, respectively. The study was consisted six treatments and each treatment has four replications. Concentrations of Meniran infusum and oxytetracycline were 20%, 18%, 16%, 14%, 12% and 10%, respectively. The most effective concentration of Meniran (*Phyllanthus niruri*, Linn) infusum in killing *Aeromonas hydrophila* was 16%, where as at least 10% of oxytetracycline already killed *Aeromonas hydrophila*. Moreover, there were no significantly differences of *Aeromonas hydrophila* sensitivity on Meniran (*Phyllanthus niruri*, Linn) infusum and oxytetracycline based probit analysis. In conclusion Meniran (*Phyllanthus niruri*, Linn) infusum was proved to have genocide potency on *Aeromonas hydrophila* even in higher dose compared with oxytetracycline.

Key words: *Aeromonas hydrophila*, Sensitivity, Meniran infusum, and Oxytetracycline