

ANTI MICROBIAL POTENCY OF ETANOL CURCUMA (*Curcuma domestica*) EXTRACT TO *Aeromonas hydrophila* BACTERIA BY IN VITRO METHOD

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ABSTRACT

This research was aimed to know effect of etanol curcuma (*Curcuma domestica*) extract as anti microbial to *Aeromonas hydrophila* bacteria. The isolate of *A. hydrophila* got from Laboratory of Bacteriology and Microbiology Veterinery faculty Airlangga University. Identification were done using biochemical test and were culture on specific media *Tryptone Soya Agar* (TSA). The inhibitory activity of curcuma against *A. hydrophila* was measured by the dilution method with concentration 10%, 20%, 30%, 40%, 50%, 60%, 70%, 80%, and 90% of curcuma extract. Result of *Minimal Bactericidal Concentration* (MBC) curcuma extract for this bacteria was revealed 68,90882%.

Keywords: *Curcuma domestica*, *Aeromonas hydrophila*