THE INHIBITION EFFECT OF *Pluchea indica* Less. LEAF EXTRACT TO *Pasteurella multocida* (IN-VITRO) BY DIFFUSION DISK METHOD

Mirza Atikah M.H.

ABSTRACT

This research was to determine the effect of *Pluchea indica* Less. leaf extract to inhibit *Pasteurella multocida* growth by diffusion disk method. Eleven group of treatment were conducted (P1, P2, P3, P4, P5, P6, P7, P8, P9, P10, and P11) which were P1 as negative control using blank disk contain 0% of extract, and P2 until P11 were series of *Pluchea indica* leaf extract concentration from 10% concentration until 100% extract concentration .The statistical analysis were using One Way ANOVA to know the effect of treatment and continue Duncan’s Multiple Range test by *Statistical Program for Social Science (SPSS)* version 16.0 to know the difference among treatments. The appearance of inhibition zone diameter showed the effect of treatment (p<0.05). There was significance difference between treatment and control (0% extract), but the different among treatment it selves were not clear. Treatment P11 (100% extract concentration) showed significance different with P1 (control, 0% extract). Because of among treatment show the different but not clear the concentration used for effective concentration was 100 % extract concentration (P11).

**Key words**: *Pluchea indica*, disk diffusion method, inhibition effect, *Pasteurella multocida*.