

Original Research Report

Effect of Guava Leaf Extract on Aeromonas Hydrophila Bacteria

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Abstract: Guava leaves (*Psidium guajava* L.) contain terpenoids, alkaloids, flavonoids, saponins and tannins, which are believed to have antibacterial properties against *Aeromonas hydrophila*. *Aeromonas hydrophila* bacteria are bacteria that are pathogenic and cause systemic disease. This research was conducted to determine the effectiveness of guava leaves in inhibiting *Aeromonas hydrophil* bacteria. The method used in the antibacterial activity test was the diffusion method using the paper disc technique. The results of the One-Way ANOVA test at the 5% level and followed by the Tukey test showed that the effective inhibitory concentration was 7900 ppm with a moderate antibacterial category.

Keywords: *Aeromonas Hydrophila*, Bacteria, Guava Leaves.

