ANTIBACTERIAL ACTIVITY OF MAJAPAHIT PLANT
(*Crescentia cujete* L.) ON BACTERIA *Aeromonas hydrophila*

Name : Noorkomala Sari
NRP : 1506100018
Departmen : Biologi
Supervisor : N.D Kuswytasari, S.Si., M.Si
            Awik Puji Dyah Nurhayati, S.Si., M.Si

Abstract
Study to determine the antibacterial potency of wet and dry extract of the leaves, fruit and bark of Majapahit (*Crescentia cujete* L.), on the growth of *Aeromonas hydrophila*. Solvent extraction process was done by using 96% ethanol in maceration method. Antibacterial test results using agar diffusion to decide clear zone and broth dilution to decide MIC and MBC. The results of this study showed the diameter clear zone from fresh leaf extract was 20.06 mm, extracts of fresh bark was 12.81 mm, and extract fresh fruit was of 3.22 mm. While the dried leaf extract, dried fruit and dried bark have no clear zone. MIC (Minimum Inhibitory Concentration) of Majapahit fresh leaf extract against *Aeromonas hydrophila* was 80%, and MBC (Minimum Bacterisid Concentration) was 100%.

Key words: antibacterial potency, *Crescentia cujete* L., *Aeromonas hydrophila*, agar diffusion, MIC, MBC
“Halaman ini sengaja dikosongkan”