ABSTRACT

The aim of this study was to investigate the antibacterial activity of the extract Pluchea indica Less leaves against plaque bacteria. The method using broth dilution test was determined Minimum Inhibitory Concentration (MIC) with a broth extract cultures into Nutrient Agar medium. And using paper disc mixed extract Pluchea indica Less for showing diameter of inhibitory zone. The tubes of concentration extract 25% was showed no visible turbidity, and then inoculated into Nutrient Agar medium. After that, the paper disc mixed extract Pluchea indica Less positioned into Nutrient Agar medium. After 24 hour incubation at 37°C. and then measure diameter of inhibitory zone. The result showed that extract Pluchea indica Less start at concentration 25% to slacken growth of plaque’s bacteria.

Keywords: plaque bacteria, extract Pluchea indica Less, inhibitory zone