

Pengaruh ekstrak daging aloe vera 6.25%, 12.5%, dan 25% dalam mempercepat proses penyembuhan ulserasi mukosa mulut (penelitian pada tikus model)

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Abstrak

ABSTRACT

Aloe Vera is one of plant that can be used as food and traditional treatment. In traditional treatment, this plant has effect on healing acceleration of oral mucous ulceration. In dentistry, this plant can be used as oral mucous ulceration treatment. The aim of this research is to examine the effective dose of Aloe Vera inner leaf extract on healing acceleration of oral mucous ulceration. Twelve Sprague Dawley rats were used in this research, and divided into 2 groups, 3 rats to control group and 9 rats to treatment group. Each rat received application of hydrogen peroxide 10% to create ulceration. Control group received application of NaCl 0.9% for 3,5,7 days. Treatment group received application 6.25%, 12.5%, and 25% Aloe Vera Inner Leaf Extract for 3,5,7 days. Wound healing was observed by in histological method with light microscope, and then was scored using stages of inflammation score of Schlossberg & Ferigino and Eda. S & Fukuyama methods. Statistical analysis with Mann Whitney and Kruskal Wallis methods showed that Aloe Vera inner leaf extract 25% is the most effective concentration on healing acceleration of oral mucous ulceration ($p < 0,05$).