

ABSTRACT

The Protective Effect of Binahong (*Anredera cordifolia* (Ten.) Steenis) Leaves to Histopathologic Appearance of Gastric in White Rats Variants Sprague Dawley Induced by Ethanol

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Ethanol contains free radicals that cause oxidative stress in cell. Binahong contains flavonoids which are antioxidants that act as protection against a chain reaction of free radicals.

The aim of this research was to know the protective effect of ethanol extract of binahong leaves to histopathologic appearance of gastric in white rats variants *Sprague dawley* induced by ethanol.

A total of 25 rats were divided into five groups. Negative control group with standard diet, positive control group were induced by ethanol, and handling groups were induced by ethanol + binahong leaf pericarp extract at dosages of 50 mg/kgBB/day; 100 mg/kgBB/day; and 200 mg/kgBB/day.

Post Hoc LSD Test showed that extract *Anredera cordifolia* leaves have effect to histopathologic appearance of gastric significantly starting at 50 mg/kgBB ($p < 0,05$) and the best result at 200 mg/kgBB that nearly to value of negative/ normal control ($p > 0,05$).

Key word: *Anredera cordifolia*, histopathologic appearance of gastric, ethanol