THE EFFECT PROTECTIVE OF BINAHONG LEAVES (Anredera cordifolia (Ten.) Steenis) EXTRACTION TO DUODENAL HISTOPATHOLOGICAL IN RATS (Rattus norvegicus) WERE INDUCED BY BORAX

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ABSTRACT

The research aimed to determine the protective effect of binahong leaves extraction due the rat duodenal histopathologic changes that induced by borax. The research used 20 male rats (Rattus norvegicus) strain Wistar aged 3 months with BW 200 g. These animals were divided into five groups (P0⁻, P0⁺, P1, P2, and P3). P0⁻ were treated with CMC Na 1%, P0⁺ were treated with CMC Na 1% and borax 157 mg/rats/day, P1 were treated with extract 50 mg/rats/day and borax 157 mg/rats/day, P2 were treated with extract 100 mg/rats/day and borax 157 mg/rats/day, and P3 were treated with extract 200 mg/rats/day and borax 157 mg/rats/day. Interval giving of binahong leaves extract with boraks was 6 hours, during two weeks. The result showed that binahong leaves extract dose of 200 mg/rats/day could provided optimal protective effect against borax that induced on cloudy swelling villi in rat duodenal histopathological (p<0,05).

Key words: extract of binahong leaves, borax, duodenal histopathology, Wistar rat.