

## Evaluation of gastroprotective effects of the ethanolic extract of *Peperomia pellucida* (L) Kunth

### ABSTRACT

This work was carried out to investigate the anti-ulcerogenic activity of *Peperomia pellucida* (L.) Kunth in necrotizing agent ie (ethanol, sodium chloride, sodium hydroxide and hydrochloric acid) and indomethacin-induced models in rats. The 70% of ethanolic extract of aerial part of *Peperomia pellucida* (PPE) was prepared. Four doses ie 10, 30, 100 and 300 mg/kg were selected for further study. Ulcer effects were determined by counting the total surface area of lesion in mm<sup>2</sup>. Results showed that PPE provided significant protection in various experimental models used. Pretreatment with the PPE at all doses (10,30,100 and 300 mg/kg) has produced significant inhibition of gastric mucosal damage induced by 80% EtOH, 25% NaCl, 0.6 M HCl, 0.2 M NaOH and 30 mg/kg indomethacin. The result suggests that PPE possesses anti-ulcer properties.

**Keyword:** *Peperomia pellucida*; Anti-ulcer; Ethanol-induced ulcer; Indomethacin-induced ulcer; Necrotizing agents