



Research article

Relaxation effect of ethanolic extract of *Picria fel-terrae* (Pugon tanoh) leaves on contraction of isolated rat's ileum contracted by serotonin

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Key words: *Picria fel-terrae*, pugon tanoh, ethanolic extract, serotonin, ondansetron, ileum, rat, relaxation, in vitro.

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Abstract

Objective: This study was aimed to observe relaxation effect of ethanolic extract of *Picria fel-terrae* leaves (EEPFL) on contraction of isolated rat's ileum contracted by serotonin (5-HT). **Methods:** This research was conducted using *in vitro*, the parameter measured is the contraction or relaxation of isolated rat's ileum smooth muscle. The relaxation effect test is done after the rat's ileum is contracted with serotonin, then each of the ileum is given EEPFL and ondansetron cumulative concentrate. **Results:** EEPFL at 0.5 - 4 mg/ml concentration has relaxation effect, EEPFL 3.5 mg/ml has no difference in terms of ability as ondansetron 3×10^{-2} M on the ileum smooth muscle contraction induced by serotonin 1.08×10^{-6} M. **Conclusion:** EEPFL has relaxation effect on the ileum smooth muscle contraction induced by serotonin.