

THE ANTI-NOCICEPTIVE EFFECT OF *CASSIA ACUTIFOLIA* (DELIL) LEAVES EXTRACTS ON MICE

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ABSTRACT

Cassia acutifolia Delile leaves common name is senna contain anthraquinone glycoside and it is used as laxative. The activity as anti-nociceptive was studied. Water extract and glycoside extract for leaves was extracted and tested by two test writhing test and hot plate test for anti-nociceptive activity. The aglycone part extract was prepared from glycoside extract and activity was tested as analgesic and it was active constituent and their effect more than other extracts and glycoside itself. The effect was significant ($p < 0.001$) at hour 2 and 4 in hot plate test and also significant ($p < 0.001$) in the writhing test. The aglycone part was more active than glycoside extract in the two tests because their structure free from sugar.