



Analgesic and Anti-inflammatory Activities of Saponified Fraction from *Annona reticulata* L. Bark

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SUMMARY. The saponified petroleum ether extract (SPE) of the *Annona reticulata* L. bark were studied for fatty acid composition by GC-MS analysis. Six fatty acids amounting 86.68% of the total contents were identified. The composition of saturated and unsaturated fatty acid was 22.10 % and 64.58 %, respectively. SPE at the doses of 12.5, 25 and 50 mg/kg body weight showed significant central as well as peripheral analgesic, along with anti-inflammatory activity.

KEY WORDS: Analgesic, *Annona reticulata* L., Anti-inflammatory activity, Fatty acids, Saponified petroleum ether extract.

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