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**Antipyretic effect of Soursop leaves extract (*Annona muricata* L.) on rats****Yos Banne, Elisabeth N Barung, Juyta and Jovie M Dumanauw**  
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Soursop plant can be used as a traditional medicine. The leaves empirically used to reduce fever due to its content of flavonoids. This study aimed to examine the antipyretic effect of soursop leaves extract (*Annona muricata* L.) on rats (*Rattus norvegicus*). This was an experimental research with pre-test and post-test design with a control group. Soursop leaves are extracted by maceration method using ethanol to produce a viscous extract. White rats were divided into 3 groups; each group consists of 5 rats. The body temperature of rats was measured as the initial temperature ( $t_0$ ). Rats then induced with 10% peptone to increase body temperature and then measured ( $t_n$ ). Group-1 was treated with soursop leaves extract, the second group was given Paracetamol suspension as the positive control and the third group was given Na CMC as the negative control. The body temperature of rats measured at hours 1, 2, 3 and 4 ( $t_1$ ,  $t_2$ ,  $t_3$ , and  $t_4$ ). Data were statistically analyzed using one-way ANOVA tests with a significance level of 0.05. The result showed a significant value  $0.000 < 0.05$ , so it can be concluded that the soursop leaves extract (*Annona muricata* L.) has the antipyretic effect on rats (*Rattus norvegicus*). Further studies are required to explore such a study of the side effect and toxic effect of the soursop leaves.

**Biography**

Yos Banne has completed her Bachelor's degree in Pharmacy Department from Hasanuddin University and Master's degree in Faculty of Pharmacy at Gadjah Mada University, Indonesia. Presently, she is a Lecturer in Pharmacy Department, Health Polytechnic Manado and performing research in the fields of pharmaceuticals, especially in traditional medicine and medicinal dosage formulations.

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