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Antipyretic effect of *Erythrina lithosperma* Miq., leaves infusion on rats (*Rattus norvegicus*)**Elisabeth N Barung, Juliet Tangka, Yos Banne, Jovie M Dumanauw and Destine Daity Lumepaa**
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Erythrina lithosperma Miq., leaves have been used as a traditional medicine to reduce fever. This study was aimed to examine the antipyretic effect of *Erythrina lithosperma* Miq., leaves infusion on rats (*Rattus norvegicus*). This was a laboratory research with pre and post-test with control group design. Rats were febrile by injecting 20% peptone solution intra-peritoneally and expressed fever if the temperature rise was 1.5 °C from the initial temperature. The test was performed on selected white rats (15) divided into 3 treatment groups: Negative control group, positive control group and *Erythrina lithosperma* Miq., leaves infusion group in which each group consisted of 5 rats. Temperature measurement was taken every 1 hour for 4 hours (t1, t2, t3 and t4) after treatment. The data of rat's body temperature was analyzed descriptively and statistically by one way Anova test. The results showed that *Erythrina lithosperma* Miq., leaves infusion had antipyretic effect on white rat (*Rattus norvegicus*) although not statistically significant.

Biography

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

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