

EFEK KOMBINASI EKSTRAK DAUN SIRIH MERAH (*Piper crocatum* Ruiz & Pav.) DENGAN DAUN SAMBILOTO (*Andrographis paniculata* (Burm.f.) Nees) TERHADAP TIKUS PUTIH JANTAN HIPERGLIKEMIK

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ABSTRAK

Pada penelitian ini dilakukan uji antidiabetes menggunakan kombinasi rebusan daun sirih merah (*Piper crocatum* Ruiz & Pav.) dengan daun sambiloto (*Andrographis paniculata* (Burm.f.) Nees). Hewan coba sebelum diberi perlakuan, diinduksi hiperglikemik dengan alloxan 200mg/kgBB. Hari ketiga setelah induksi, tikus dibagi menjadi 3 kelompok. Kelompok I diberi aquadem (kontrol), kelompok kedua diberi daun sirih merah (*Piper crocatum* Ruiz & Pav), kelompok ketiga diberi kombinasi sirih merah (*Piper crocatum* Ruiz & Pav) dan sambiloto (*Andrographis paniculata* (Burm.f.) Nees) selama 7 hari. Hari ke 8 setelah perlakuan, tiap kelompok diperiksa kadar glukosa darahnya. Kombinasi daun sirih merah dan daun sambiloto mempunyai efek yang lebih besar menurunkan kadar glukosa darah daripada daun sirih merah yang diberikan tunggal, meskipun kadar glukosa darah masih belum mencapai kadar normal.

Kata Kunci: Daun sambiloto (*Andrographis paniculata* (Burm.f.) Nees), Diabetes, Sirih Merah (*Piper crocatum* Ruiz & Pav.).

**EFFECT OF COMBINATION EXTRACT OF
RED BETEL VINE LEAF (*Piper crocatum* Ruiz & Pav.) AND SAMBILOTO
LEAF (*ANDROGRAPHIS PANICULATA* (BURM.F.) NEES) TOWARD
HIPERGLYCEMIC WHITE MALE MICE**

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ABSTRACT

This study is using combination of boiled red betel vine leaf (*Piper crocatum* Ruiz & Pav.) and *sambiloto* (*Andrographis paniculata* (Burm.f.) Nees). Before test animal is being treated, it is inducted with alloxan 200mg/kg body weight. The third day after induction, the mouse are divided into three group. Group I is given aquadem (control), the second group is given red betel vine leaf (*Piper crocatum* Ruiz & Pav), the third group is given combination of red *sirih* (*Piper crocatum* Ruiz & Pav) and *sambiloto* (*Andrographis paniculata* (Burm.f.) Nees) for 7 days. On the eight day after the treatment, each group has their blood glucose level checked. combination of red betel vine leaf and *sambiloto* leaves have greater effect in decreasing blood glucose level than which is only given red betel vine leaf, although the blood glucose level is judged not have yet reached the normal level.

Key Word: *Sambiloto* leaves (*Andrographis paniculata* (Burm.f.) Nees),
Diabetes, Red *Sirih* (*Piper crocatum* Ruiz & Pav.).