

**EFEKTIVITAS KOMBINASI REBUSAN DAUN SIRIH MERAH (*Piper crocatum* Ruiz & Pav.) DAN DAUN SALAM (*Syzygium polyanthum* (Wight) Walp) TERHADAP KADAR GLUKOSA DARAH PADA TIKUS JANTAN HIPERGLIKEMIA**

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**ABSTRAK**

Rebusan daun sirih merah dan daun salam merupakan obat herbal tradisional yang di duga berkhasiat antidiabetes. Kadar Glukosa Darah yang tinggi merupakan salah satu penyebab terjadinya Diabetes Mellitus. Telah dilakukan penelitian dengan menggunakan hewan coba tikus putih jantan hiperglikemia akibat induksi alloxan. Penelitian ini dilakukan dengan membagi hewan coba menjadi 3 kelompok, Kelompok kontrol diberi *aquadem*, kelompok uji I diberi rebusan daun sirih merah, Kelompok uji II diberi rebusan kombinasi daun sirih merah dan daun salam. Rebusan daun sirih merah tunggal maupun rebusan kombinasi daun sirih merah dan daun salam dapat menurunkan kadar glukosa darah pada tikus putih jantan, dimana kombinasi daun sirih merah dan daun salam lebih efektif menurunkan kadar glukosa darah daripada rebusan daun sirih merah tunggal.

Kata kunci: Rebusan, sirih merah, daun salam, hiperglikemik

**THE EFFECTIVITY OF COMBINATION BOILED RED BETEL VINE  
(*Piper crocatum*) AND SALAM (*Syzygium polyanthum* (wight) walp) LEAF  
TO BLOOD GLUCOSE LEVEL ON WHITE MALE MOUSE  
HIPERGLYCEMIA**

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**ABSTRACT**

Boiled red betel vine and *salam* leaf are traditional herbal medicine that assumed to have the advantage as anti-diabetes. High Blood Sugar level is one of the reasons of Diabetes Mellitus exists. A research has been done using test animal of white male mouse hyperglycemia because of alloxan anhydrate induction. This research is done with the division of test animal into 3 groups, which are controlled group is given *aquadem*, Test I group is given boiled red betel vine, Test II group is given the combination of boiled red betel vine and *salam* leaf. Both, single boiled red betel vine and the combination of boiled red betel vine and *salam* leaf can reduce glucose level to white male mouse, where the combination resulted more effective to reduce blood glucose level than single boiled red betel vine.

Key word: Boiled, Red betel vine, Boiled *salam* leaf, hyperglycemia