

ANTIINFLAMMATORY EFFECT OF BETA-BETA (Lunasia amara) in WISTAR RATS

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INTRODUCTION

Inflammation is a condition characterized by swelling, heat, redness, pain, and dysfunction. In general, the inflammatory reaction is common in patients with rheumatoid arthritis and osteoarthritis. There has been no systematic research on the prevalence, spectrum, and patterns of chronic joint disease, but are common causes the onset of disability in adults in developing countries (1). One attempt to cure this disease is to reduce inflammation by using anti-inflammatory (2; 3).

Beta-beta wood has potential as an anti-inflammatory drug. In South Sulawesi, beta-beta wood or sanrego, especially in Bone regency, Sanrego, or beta-beta wood (*Lunasia amara*) known as a tonic in men (aphrodisia) (4). The study of the pharmacological activity of beta-beta wood plants is lacking. Still, the pharmacological activity, in particular as anti-inflammatory variety of plant species, has been widely studied family Rutaceae.

METHODS :

Anti-inflammatory effects of beta-beta were observed at the foot of Wistar rats induced Complete Freund's Adjuvant (CFA). Rats divided into ² 3 groups consisting of 6 rats each group: the treatment group given extract beta-beta at a dose of 5 mg/kg body weight (BW) and 10 mg/kg BW, two other groups given a fraction of beta-beta with same dose, normal control and negative control. Using a pletismometer the anti-inflammatory effect of beta-beta was observed.

CONCLUSION:

Beta-beta wood (*Lunasia amara*) has anti-inflammatory effects in Wistar rats. The percentage anti-inflammatory effect of beta-beta wood /sanrego (*Lunasia amara*) increased with increasing concentrations.

Keyword : Anti-inflammatory, beta-beta (*Lunasia amara*), Wistar rats, Complete Freund's adjuvant (CFA), pletismometer

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