

ABSTRAK

Bria, Nancy Priscilla. 2016. Pengaruh Pemberian Ekstrak Daun Waru (*Hibiscus tiliaceus L.*) Terhadap Derajat Erosi Pada Gambaran Histopatologi Mukosa Lambung Tikus *Rattus norvegicus* Jantan Yang Diinduksi Dengan Indometasin. Tugas Akhir, Program Studi Pendidikan Dokter Fakultas Kedokteran Universitas Brawijaya. Pembimbing: (1) dr. Elly Mayangsari, M.Biomed. (2) dr. Kenty Wantri Anita, M.Kes, Sp.PA.

Penelitian ini menggunakan ekstrak daun waru (*Hibiscus tiliaceus L.*) dengan kandungannya flavonoid dapat menurunkan erosi pada mukosa lambung. Metode yang digunakan adalah *true experimental post test control group design* pada 25 ekor tikus wistar yang dibagi menjadi 5 kelompok perlakuan yaitu Kontrol Negatif (tanpa perlakuan), Kontrol Positif (induksi indometasin), P1 (induksi indometasin + 100 mg/KgBB ekstrak waru), P2 (induksi indometasin + 200 mg/KgBB ekstrak waru), P3 (induksi indometasin + 400 mg/KgBB ekstrak waru). Pada dosis 100 mg/kgBB sudah dapat menurunkan erosi pada lambung walaupun belum dalam bentuk lambung yang normal. Dalam tes non parametrik terdapat perbedaan yang bermakna antara variasi dosis pemberian ekstrak daun waru dengan $p < 0,002$. Pada tes korelasi menunjukkan semakin meningkat dosis ekstrak daun waru maka akan diikuti penurunan derajat erosi mukosa. Jadi pemberian ekstrak daun waru (*Hibiscus tiliaceus L.*) dapat menurunkan derajat erosi pada mukosa lambung tikus yang diinduksi indometasin.

Kata kunci: *Hibiscus tiliaceus L.*, derajat erosi, gastritis

ABSTRACT

Bria, Nancy Priscilla. 2016. The Effects of Giving *Hibiscus tiliaceus L.* on The Erosion Level at The Hispatolgy Mucosa of Gaster of Male *Rattus norvegicus* Which Was Inducted With Indometasin. Final Assignment, Faculty of Medicine, Brawijaya University. Supervisors: (1) dr. Elly Mayangsari, M.Biomed. (2) dr. Kenty Wantri Anita, M.Kes, Sp.PA

This research used *Hibiscus tiliaceus L.* extracts which include flavonoid content that reduced the erosion in mucosa of gaster. This research was a true experimental post test control group design, which was carried out with 25 male *Rattus norvegicus* and divided into 5 groups of treatment, i.e Negative control, Positive control (only indomethacin), P1 (indomethacin + 100 mg/kgBB *Hibiscus tiliaceus L.* extracts.), P2 (indomethacin + 200 mg/KgBB *Hibiscus tiliaceus L.* extracts), P3 (indomethacin + 400 mg/KgBB *Hibiscus tiliaceus L.* extracts). From this research, it was found that 100 mg/kgBB dosage could reduce the erosion in gaster even though not to the point of normal form. The data obtained were analysed by using non-parametric test and there is significant differences of administration of *Hibiscus tiliaceus L.* extracts among various dosages with p value 0,002. During the corelation test, it was found that as administration of *Hibiscus tiliaceus L.* extracts increases, the level of erosion of mucosa decreases would be followed by the reduction of the level of erosion of mucosa. Therefore, treatment of *Hibiscus tiliaceus L.* extract can reduce the erosion in mucosa of gaster of rats which were inducted by indomethacin.

Keyword : *Hibiscus tiliaceus L.*, erosion level, gastritis