

ABSTRAK

Demam merupakan keadaan saat suhu tubuh lebih tinggi dari biasanya, serta merupakan gejala suatu penyakit. Pengobatan demam biasanya dilakukan dengan beberapa cara seperti pengobatan farmakologi dan non farmakologi. Pengobatan farmakologi dengan cara pemberian obat dan non farmakologi dengan pemberian kompres demam atau menggunakan tanaman obat tradisional seperti daun gedi. Daun gedi sendiri mempunyai kandungan flavonoid. Flavonoid sendiri dapat memberikan efektivitas antipiretik dan antiinflamasi karena bekerja sebagai inhibitor cyclooxygenase (COX). Ekstrak daun gedi di ekstraksi dengan metode maserasi menggunakan pelarut etanol 96%. Ekstrak yang diperoleh kemudian dibuat sediaan Patch dengan konsentrasi ekstrak 0,5 g, 1 g dan 1,5 g. Patch diuji sifat fisik (Organoleptik, pH, Ketebalan Patch, Keseragaman bobot). Dari data uji sifat fisik kemudian dianalisis secara deskriptif. Hasil penelitian ini disimpulkan patch yang mengandung ekstrak daun gedi 1 g merupakan formula terbaik dan memenuhi standar syarat mutu dari pengujian.

Kata Kunci : *Patch, Kompres, Abelmoschus Manihot (L.) Medik , Demam*

ABSTRACT

Fever is a condition when the body temperature is higher than usual, and is a symptom of an illness. Fever treatment is usually carried out in several ways, such as pharmacological and non-pharmacological treatment. Pharmacological treatment is by giving drugs and non-pharmacological by giving fever compresses or using traditional medicinal plants such as gedi leaves. Gedi leaves themselves contain flavonoids. Flavonoids themselves can provide antipyretic and anti-inflammatory effectiveness because they work as cyclooxygenase (COX) inhibitors. Gedi leaf extract was extracted by maceration method using 96% ethanol as solvent. The extract obtained was then made into a patch preparation with an extract concentration of 0.5 g, 1 g and 1.5 g. Patches were tested for physical properties (organoleptic, pH, patch thickness, weight uniformity). From the physical test data then analyzed descriptively. The results of this study concluded that the patch containing 1 g of gedi leaf extract was the best formula and met the quality standards of the test.

Keywords: Patch, Compress, *Abelmoschus Manihot* (L.) Medical, Fever



KARAWANG