

## INTISARI

**HARIYATI, 2018 UJI EFEK TONIKUM SEDUHAN SERBUK BUAH LADA HITAM (*Piper nigrum* L.) TERHADAP MENCIT SWISS WEBSTER, SKRIPSI, FAKULTAS FARMASI, UNIVERSITAS SETIA BUDI, SURAKARTA.**

Buah lada hitam (*Piper nigrum* L.) merupakan tanaman yang memiliki kandungan senyawa flavonoid, alkaloid, saponin dan minyak atsiri. Penelitian ini bertujuan untuk mengetahui pengaruh efek tonikum dan untuk mengetahui perbedaan efek tonikum seduhan serbuk buah lada hitam yang disaring dan tidak disaring.

Penelitian ini dilakukan dengan mengelompokkan hewan uji menjadi 6 kelompok dan tiap kelompok terdiri dari 6 ekor mencit *Swiss Webster* yaitu : kontrol negatif (aquadest), kontrol positif (kafein), seduhan serbuk buah lada hitam 2 mg/20g BB mencit yang direndam selama 5 menit kemudian disaring dan direndam selama 10 menit kemudian disaring, seduhan serbuk buah lada hitam 2mg/20g BB mencit yang direndam selama 15 menit kemudian disaring dan direndam selama 15 menit tanpa disaring. Efek tonikunya diuji dengan metode *Natatory Exhaustion*

Hasil penelitian disimpulkan bahwa seduhan serbuk buah lada hitam mempunyai aktivitas tonikum terhadap mencit galur *Swiss Webster*. Semakin lama waktu perendaman efek tonikum semakin meningkat. Efek tonikum yang paling kuat ditunjukkan oleh perlakuan seduhan serbuk lada hitam dengan perendaman 15 menit yang tidak disaring, mempunyai rata-rata penambahan waktu lelah 7,05 menit atau 94,4%, karena penambahan waktu lelahnya paling tinggi diantara semua kelompok perlakuan lain.

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Kata kunci : Tonikum, Seduhan, Lada Hitam (*Piper Nigrum* L.)

## ABSTRACT

**HARIYATI, 2018 TEST OF EFFECTS OF BLACK PEPPER (*Piper nigrum* L.) FRUIT POWDER STEEPING TONIC AGAINST SWISS WEBSTER MICE, THESIS, FACULTY OF PHARMACY, UNIVERSITY OF SETIA BUDI, SURAKARTA.**

Black pepper (*Piper nigrum* L.) is a plant that contains flavonoid compounds, alkaloids, saponins and essential oils. This study aims to know the influence of tonic effect and to know tonic effects of powdered black pepper fruits filtered and unfiltered.

This study was conducted by grouping the test animals into 6 groups and each group consisted of 6 Swiss Webster mice: negative control (aquadest), positive control (caffeine), steeping of black pepper 2 mg / 20g BB mice soaked for 5 minutes then filtered and soaked for 10 minutes then filtered, steeping black pepper powder 2mg / 20g BB mice soaked for 15 minutes then filtered and submerged for 15 minutes without filtering. The effect of tonicum was tested by the method of *Natatory Exhaustion*

The result of this research concluded that the steeping of black pepper powder has the activity of tonic to Swiss Webster mice. The longer the soaking time of the effects of tonic increases. The strongest tonic effect was demonstrated by the treatment of soaking black pepper powder with unfiltered 15 min immersion, having an average fatigue boost of 7.05 minutes or 94.4%, due to the highest fatigue time increase among all other treatment groups. Uncreened black pepper fruit powder has a larger tonic effect.

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Key words : Tonic, Steeping, Black Pepper (*Piper Nigrum* L.)