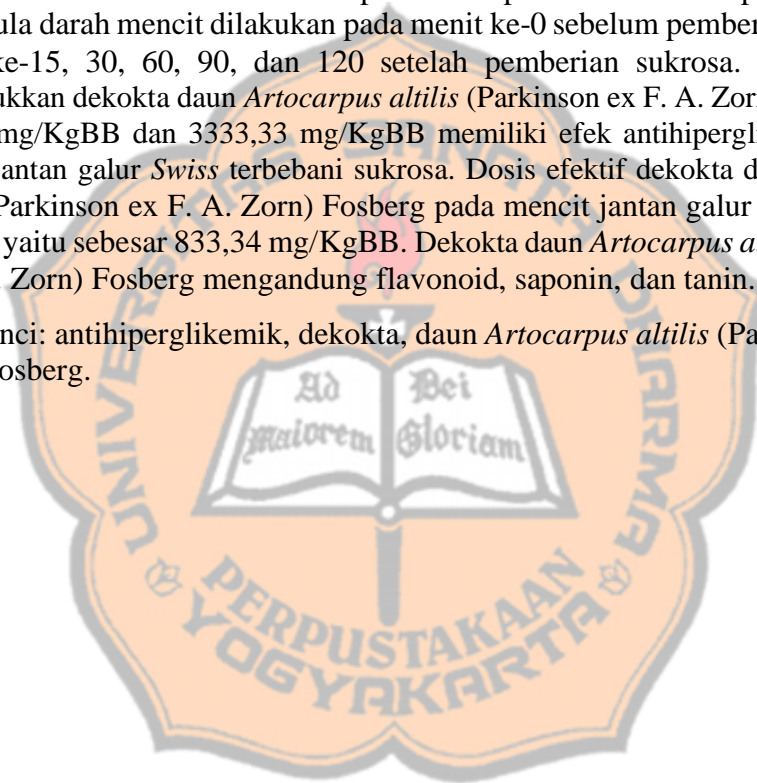


INTISARI

Penelitian ini bertujuan untuk mengetahui efek antihiperqlikemik dekokta daun *Artocarpus altilis* (Parkinson ex F. A. Zorn) Fosberg dengan menggunakan metode Uji Toleransi Gula Oral (UTGO) pada mencit jantan galur *Swiss* terbebani sukrosa. Penelitian ini merupakan penelitian eksperimental murni dengan rancangan acak lengkap pola searah. Sebanyak 25 ekor mencit dibagi secara acak ke dalam 5 kelompok, yakni kontrol sukrosa (aquadest 25 g/KgBB), kontrol akarbosa (akarbosa 80 mg/KgBB), dan 3 peringkat dosis dekokta daun *Artocarpus altilis* (Parkinson ex F. A. Zorn) Fosberg yaitu 833,34; 1666,67; dan 3333,33 mg/KgBB. Sukrosa 4 g/KgBB diberikan 30 menit setelah pemberian pada semua kelompok. Pengukuran kadar gula darah mencit dilakukan pada menit ke-0 sebelum pemberian sukrosa dan menit ke-15, 30, 60, 90, dan 120 setelah pemberian sukrosa. Hasil penelitian menunjukkan dekokta daun *Artocarpus altilis* (Parkinson ex F. A. Zorn) Fosberg dosis 833,34 mg/KgBB dan 3333,33 mg/KgBB memiliki efek antihiperqlikemik terhadap mencit jantan galur *Swiss* terbebani sukrosa. Dosis efektif dekokta daun *Artocarpus altilis* (Parkinson ex F. A. Zorn) Fosberg pada mencit jantan galur *Swiss* terbebani sukrosa yaitu sebesar 833,34 mg/KgBB. Dekokta daun *Artocarpus altilis* (Parkinson ex F. A. Zorn) Fosberg mengandung flavonoid, saponin, dan tanin.

Kata kunci: antihiperqlikemik, dekokta, daun *Artocarpus altilis* (Parkinson ex F.A. Zorn) Fosberg.



ABSTRACT

This research is aimed to investigate the antihyperglycemic effect of decoction of *Artocarpus altilis* (Parkinson ex F. A. Zorn) Fosberg leaves on sucrose-loaded male mice of Swiss strains with Oral Sugar Tolerance Test (OSTT) method. This study was pure experimental research with a one-way-complete random design. A total of 25 mice were randomly divided into 5 groups, namely sucrose control was given aquadest with a dose of 25 g/KgBW, acarbose control was given acarbose with a dose of 80 mg/KgBW, and decoction of *Artocarpus altilis* (Parkinson ex F. A. Zorn) Fosberg leaves was given at the doses of 833.34; 1666.67; and 3333.33 mg/KgBW, respectively. Sucrose with a dose of 4 g/KgBW was given 30 minutes after administration to all groups. The blood glucose levels were measured at 0 minutes before administration of sucrose and 15, 30, 60, 90, and 120 minutes after the administration of sucrose. The results showed that the decoction of *Artocarpus altilis* (Parkinson ex F. A. Zorn) Fosberg leaves at doses of 833.34 and 3333.33 mg/KgBW has antihyperglycemic effect on sucrose-loaded male mice. The effective dose of decoction of *Artocarpus altilis* (Parkinson ex F. A. Zorn) Fosberg leaves on sucrose-loaded male mice of Swiss strains is at dose of 833.34 mg/KgBW. The decoction of *Artocarpus altilis* (Parkinson ex F. A. Zorn) Fosberg leaves contains flavonoid, saponin, and tannin.

Key Word: Antihyperglycemic, decoction, *Artocarpus altilis* (Parkinson ex F.A. Zorn) Fosberg leaves.

