

Uji antihipertensi campuran ekstrak etanol herba seledri apium graveolens L dan daun tempuyung sonchus arvensis L sebelum dan sesudah purifikasi = The antihypertension test of aethanolic extract of celery herb apium graveolens L and sonchi leaves mixture before and after purification

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Abstrak

[ABSTRAK

Tanaman seledri sudah lama dikenal sebagai obat tradisional yang dipercaya dapat menurunkan tekanan darah di masyarakat Indonesia demikian pula halnya dengan kumis kucing Penelitian ini bertujuan untuk mengetahui aktivitas antihipertensi dari kombinasi ekstrak herba seledri EHS dan ekstrak daun tempuyung EDT sebelum dan sesudah purifikasi 32 ekor tikus jantan galur Sprague Dawley dibagi menjadi 8 yaitu Kelompok 1 sebagai kontrol normal larutan CMC 0.5 kelompok 2 sebagai kontrol induksi larutan NaCl 2 kelompok 3 20 mg EHB dan 150 mg EDT kelompok 4 36 mg EHS dan 206 mg EDT kelompok 5 45 mg EHS dan 250 mg EDT kelompok 6 purifikasi kelompok 4 kelompok 7 purifikasi kelompok 5 kelompok 8 sebagai herbal pembanding 141 mg Tensigard Parameter yang diukur adalah berat badan volume urin tekanan darah sistolik arteri dan diastolik tikus Tidak ada perbedaan pengaruh antara campuran ekstrak etanol herba seledri Apium graveolens L dan daun tempuyung Sonchus arvensis L sebelum dan setelah purifikasi terhadap bobot badan dan ekskresi urin akan tetapi ada perbedaan pengaruh aktivitas antihipertensi campuran ekstrak etanol herba seledri Apium graveolens L dan daun tempuyung Sonchus arvensis L sebelum dan setelah purifikasi akan dan Kelompok 3 memiliki efek paling besar terhadap penurunan tekanan darah sistolik dan arteri dengan potensi lebih besar dibandingkan dengan Tensigard akan tetapi Kelompok 4 dan 5 memiliki pengaruh yang sama dengan Tensigard dan diperkirakan memiliki mekanisme kerja yang sama dengan Tensigard.

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ABSTRACT

Celery herbs Apium graveolens L and Sonchi folium Sonchus arvensis L were used as antihypertension herbal medicinal for long time ago Comparison of antihypertension activity from the mixture extract before and after purification has been done used eight groups of Sprague Dawley strain male rats each group containing four rats Group 1 as normal control were given 0.5 CMC solution group 2 were given 2 NaCl solution group 3 0.02 g of celery herbs extract and 0.15 g of sonchi folium extract group 4 0.036 g of celery herbs extract and 0.206 g of sonchi folium extract group 5 0.045 g of celery herbs extract and 0.25 g of sonchi folium extract group 6 group 4 after purification group 7 group 5 after purification and group 8 as the comparison 0.141 g of Tensigard The mixture of extract were given on 15th until 30th The parameter are urine excretion and the blood pressure of rats including arteri systolic and diastolic The result showed group 3 has a higher effect to decrease systolic blood pressure and artery with higher potential than Tensigard but group 4 and 5 has same effect with Tensigard and estimated that group 4 and 5 has same mechanism with Tensigard ;Celery herbs Apium graveolens L and Sonchi folium Sonchus arvensis L were used as antihypertension herbal medicinal for long time ago Comparison of antihypertension activity from the

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