ABSTRAK

Telah dilakukan penelitian yaitu pembuatan dan karakterisasi ekstrak kental daun srikaya (*Annona squamosa* Linn.). Pembuatan ekstrak kental dilakukan dengan maserasi terhadap serbuk simplisia daun srikaya dengan pelarut etanol 95 %. Diperoleh rendemen sebesar 11.901 % dengan ekstrak kental berwarna hijau kecoklatan dengan bau yang khas. Karakterisasi terhadap ekstrak kental meliputi penetapan kadar air, susut pengeringan, kadar abu total, kadar abu tidak larut asam, organoleptis, identitas, kadar sari larut air, kadar sari larut etanol, dan uji penetapan kadar total minyak atsiri. Kadar air pada ekstrak kental daun srikaya (*Annona squamosa* Linn.) yaitu 16.5866 % ± 17.24 %, susut pengeringan 19.47 % ± 6.58 %, kadar abu total 3.307 % ± 0.447 %, kadar abu tidak larut asam 1.207 % ± 40.24 %, kadar sari larut air 39.36 % ± 2.775 %, dan kadar sari larut etanol 68.77 % ± 2.037 %. Pada ekstrak kental etanol daun srikaya (*Annona squamosa* Linn.) diperoleh hasil positif pada pemeriksaan alkaloid, flavonoid, fenolik, saponin, terpenoid, dan steroid. Dan pada fraksi n-heksan diperoleh hasil positif terhadap terpenoid, steroid, dan minyak atsiri, serta negatif terhadap alkaloid, flavonoid, tannin dan antrakuinon. Pada penetapan kadar total kandungan kimia yaitu kadar total minyak atsiri pada ekstrak kental etanol daun srikaya (*Annona squamosa* Linn.) dilakukan dengan metoda penyulingan dengan alat traping dan diperoleh kadar total minyak atsiri yaitu 16 % v/b.

ABSTRACT

Extraction and characterization of Srikaya(*Annona squamosa* Linn.) leaves had been carried out. The thick extract was produced through maceration towards simplicia powder of srikaya leaf using ethanol 95 %. A number of 11.901 % of thick extract was obtained with the color of green brownish and a specific odor. Characterization of thick extract included determination of water content, exsicatte during drying, total ash values, acid insoluble ash values, organoleptic examination, identity, water soluble compound contents, ethanol soluble compound contents, and total concentration of essential oils. The water content of the thick extract of srikaya leaves (*Annona squamosa* Linn.) was 16.5866 % ± 2.86, exsiccate during drying was 19.47 % ± 1.28 total ash values was 3.307 % ± 0.01, acid insoluble ash values was 1.207 % ± 0.48, water soluble compound content was 39.36 % ± 1.09, and the ethanol soluble compound content was 68.77 % ± 1.40. The positive results on the examination of alkaloids, flavonoids, phenolics, saponins, terpenoids, and steroids ware obtained from the srikaya leaf thick extract (*Annona squamosa* Linn.). The positive results for terpenoids, steroids, and essential oils, and negative for the alkaloids, flavonoids, tannins and anthraquinone were obtained from the srikaya leaf thick extract (*Annona squamosa* Linn.). Determination of the total concentration of chemical constituents total volatile oil in the thick ethanol extract of leaves of srikaya (*Annona squamosa* Linn.) was performed by the distillation method with traping tools and was obtained as16 % v/b of essential oils from thick ethanol extract of leaves of srikaya (*Annona squamosa* Linn.).