

INTISARI

HUTASOIT, MARIA RELIANTI., 2016, FORMULASI TABLET HISAP SARI BUAH SIRSAK (*Annona muricata* L) DENGAN VARIASI KONSENTRASI BAHAN PENGIKAT PVP, KARYA TULIS ILMIAH, FAKULTAS FARMASI, UNIVERSITAS SETIA BUDI, SURAKARTA.

Buah sirsak berkhasiat sebagai antioksidan alami dalam tubuh. Buah sirsak diyakini mampu menyembuhkan sakit jantung, mengatasi sembelit dan rematik. Sari buah sirsak didapat dengan cara melakukan penyarian dengan pelarut aquades, agar lebih efektif dalam penggunaannya maka perlu dibuat kedalam suatu bentuk sediaan yaitu tablet hisap. Penelitian ini bertujuan dapat membuat sediaan tablet hisap sari buah sirsak (*Annona muricata* L) dengan bahan pengikat PVP, mengetahui pengaruh variasi konsentrasi PVP terhadap mutu fisik tablet hisap, Dapat mengetahui formula berapakah yang dapat menghasilkan tablet hisap sari buah sirsak (*Annona muricata* L) dengan mutu fisik yang paling baik.

Tablet hisap dibuat dengan metode granulasi basah. Formula I, II, III pengikat PVP dengan konsentrasi 1%, 3% dan 5%. Ganul yang didapat dan diuji susut pengeringan, waktu alir, dan sudut diam. Tablet yang didapat diuji keseragaman bobot, kekerasan, kerapuhan, waktu larut, dan uji tanggap rasa.

Hasil penelitian bahwa sari buah sirsak dapat dibuat sediaan tablet hisap. Keseragaman bobot tablet tidak ada yang menyimpang. Pengujian kekerasan tablet memenuhi persyaratan 10-12kg formula I 10,4 kg formula II 11,5 kg dan formula III 12,9 kg. Pengujian kerapuhan formula I 0.064 formula II 0.053 formula III 0.04. pengujian waktu larut menunjukkan kurang dari 5-10 menit tablet dapat larut. Pengujian tanggap rasa lebih 50% responden dapat menerima tablet hisap sari buah sirsak.

Kata kunci : tablet hisap, buah sirsak (*Annona muricata* L), PVP

ABSTRACT

HUTASOIT, MARIA RELIANTI., 2016 SOURSOP (*Annona Muricata* L) ORAL ABSORBENT TABLET FORMULATIONS, BY VARIATION OF BINDER PVP CONCENTRATION, SCIENTIFIC WRITINGS, FACULTY OF PHARMACY, UNIVERSITY OF SETIA BUDI, SURAKARTA.

Soursop fruit is effective as a natural antioxidant in the body. Soursop believed able to cure heart disease, constipation and arthritis. Soursop fruit is often used as raw material for juicy drinks. Soursop fruit juice obtained by performing solvent melting it with distilled water. To be more effective in its use, it has to be developed into a ready-to used form, lozenges. This research aimed can make preparations tablets suction soursop juice (*Annona muricata* L) with fastener PVP, knowing the influence of variation of concentration PVP against physical quality suction tablets, can find out what formula that can produce suction tablet juice soursop (*Annona muricata* L) with the most excellent physical quality.

Lozenges made using wet granulation method. Formula I, II, III binder PVP concentration of 1%, 3% and 5%. Ganul obtained and tested drying shrinkage, flow time, and angle of repose. Tablets obtained test weight uniformity, hardness, friability, time dissolves, and test response flavor.

The results of the research that soursop fruit juice can be made into ready-to used lozenges. Weight uniformity tablet is no distorted. Tablet hardness testing meets the requirements of 10-12kg formula I formula II 10.4 kg to 11.5 kg and 12.9 kg of formula III. Testing the fragility of formula I formula II 0.064 0.053 III 00:04 formula. testing time late show less than 30 minutes tablet can be dissolved. Testing perceptive sense of over 50% of respondents could accept lozenges soursop juice.

Keywords : Lozenges, Soursop Fruit (*Annona muricata* L), PVP