

## INTISARI

Jarong merupakan salah satu tumbuhan yang berkhasiat untuk mengobati penyakit disentri, gonorrhoea. Jarong telah dibuktikan memiliki komponen aktif antara lain glikosida dan alkaloid. Penelitian mengenai pembuatan tablet ekstrak daun jarong bertujuan untuk menghasilkan tablet ekstrak daun jarong yang memenuhi syarat sifat fisik tablet.

Metode granulasi kering digunakan dalam pembuatan tablet ekstrak daun jarong. Dibuat 5 formula menggunakan Amprotab sebagai bahan penghancur dengan konsentrasi masing-masing sebesar 5%; 7,5%; 10%; 12,5%; dan 15%. Sifat fisik granul dan tablet diuji dengan menggunakan uji indeks pengetapan granul, uji keseragaman bobot tablet, uji kerapuhan tablet dan uji waktu hancur tablet. Metode KLT (Kromatografi Lapis Tipis) digunakan untuk mengamati kandungan kimia ekstrak dan tablet. Data yang diperoleh dievaluasi secara statistik dengan analisis varian satu arah, dengan taraf kepercayaan 95%.

Hasil penelitian menunjukkan, bahwa semua formula memenuhi syarat sifat fisik tablet. Diantara formula tersebut, formula 1 dengan menggunakan Amprotab dengan konsentrasi 5% diduga sebagai formula yang terbaik karena memiliki nilai kerapuhan terkecil (0,17%).

## ABSTRACT

Jarong is a kind of medical herbs which is useful to relieve dysentery illness and gonorrhoea. It was proved to have the active components such as glycosides and alkaloids. The research of formulating jarong leaves extract tablets was aimed to design the formulas of Jarong leaves extract tablet which met all the requirements of the physical characteristic of tablet.

Dry granulation method was used to produce Jarong leaves extract tablet. Five formulas were made using Amprotab as disintegrant with the concentration of 5%; 7,5%; 10%; 12,5%; 15% respectively. The physical characteristic of the granules and the tablets then were examined by the tests such as Tapping index test, weight homogeneity test, friability test and disintegration-time test. The TLC (Thin Layer Chromatography) method was used to observe the extract and tablet chemist substances. The obtained data from physical characteristic of the granules and tablets were analyzed statistically using one way Anova with the 95% confident interval.

The result showed that all formulas were met the physical characteristic requirements of tablet. Among those formulas, the formula 1 with 5% Amprotab was assumed to be the best formula because it has the smallest friability value (0,17%).