

INTISARI

Penelitian tentang pembuatan tablet ekstrak daun dewa (*Gynura procumbens* (Lour.) Merr.) ini telah dilaksanakan dengan tujuan untuk memperoleh tablet ekstrak daun dewa yang memenuhi syarat sifat fisik tablet dan untuk mengetahui pengaruh variasi kadar Primojel[®] sebagai bahan penghancur terhadap waktu hancur tablet.

Pada penelitian ini dibuat lima formula dengan variasi kadar Primojel[®] 5 %; 7,5 %; 10 %; 12,5 % dan 15 %. Ekstrak kental hasil maserasi dikeringkan dengan Aerosil[®], dicampur dengan bahan pengisi dan bahan penghancur internal, kemudian dikempa menjadi tablet besar atau *slug*. *Slug* dihancurkan, diayak dengan pengayak no. mesh 12/20. Granul diuji sudut diam, indeks pengetapan dan kadar air, setelah itu granul dikempa menjadi tablet. Tablet diuji keseragaman bobot, kekerasan, kerapuhan, daya serap dan waktu hancurnya. Data dianalisis secara statistik dengan Anova satu arah dan untuk data yang berbeda bermakna, dilanjutkan dengan uji *Scheffe*, dengan taraf kepercayaan 95 %.

Hasil penelitian menunjukkan bahwa kelima formula menghasilkan tablet ekstrak daun dewa yang memenuhi syarat sifat fisik tablet dan dari data waktu hancur tablet menunjukkan bahwa semakin besar kadar Primojel[®] maka waktu hancur tablet semakin cepat.

Kata kunci : Tablet ekstrak daun dewa, Primojel[®]

ABSTRACT

The research of the production of *dewa* leaves (*Gynura procumbens* (Lour.) Merr) extract tablets had been done to get *dewa* leaves extract tablets which met the requirement of physical characteristics of the tablet and to observe the effects of Primojel[®] various concentration as the disintegrant on the tablet disintegrating time.

This research was conducted using five formulas with Primojel[®] concentration variation of 5%, 7.5%, 10%, 12.5%, and 15%. The extract produced by maseration was dried with Aerosil[®], then it was mixed with the filler and the internal disintegrant. Then, it was compacted into slugs. Slugs were crushed and sifted using the sieve with number mesh 12/20. Granule was tested of its reposed angle, index of tapping, and moisture content. Then, granules were compacted into the tablets. The tablets were tested for its weight uniformity, hardness, friability, water absorption, and disintegration time. The data were analyzed using one way Anova and for the significant differences, then the test was continued with Scheffe test, with 95% of reliability level.

The result showed that those five formulas produced *dewa* leaves extract tablets which met the requirement of the physical characteristic and the tablet desintegrating time of data showed the higher the concentration of Primojel[®], the faster of tablet disintegration time would be.

Key words : *Dewa* leaves extract tablets, Primojel[®]