

**STUDI KOMPARATIF KONSENTRASI *CROSPVIDONE* TERHADAP
WAKTU HANCUR TABLET KITOSAN DENGAN METODE
GRANULASI KERING**

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ABSTRAK

Telah dilakukan penelitian untuk menganalisis perbedaan waktu hancur tablet kitosan yang menggunakan *crospovidone* konsentrasi 1%, 2% dan 5% sebagai disintegran dengan metode granulasi kering. Evaluasi tablet dilakukan pada formula 1, formula 2 dan formula 3 yang meliputi keseragaman bobot, keseragaman ukuran, kekerasan, waktu hancur dan friabilitas tablet. Evaluasi waktu hancur tablet dari ketiga formula dianalisis secara statistik dengan metode *One-Way Anova*. Terdapat perbedaan yang signifikan pada hasil uji waktu hancur ketiga formula. Hasil yang didapat adalah konsentrasi *crospovidone* 5 % menghasilkan waktu hancur paling cepat.

Kata kunci : *crospovidone*, kitosan, disintegran, tablet, granulasi kering.

**COMPARATIVE STUDY OF *CROSPVIDONE* CONCETRATION ON
DISINTEGRATION OF CHITOSAN TABLET USING DRY
GRANULATION**

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ABSTRACT

Studies have been conducted to analyze the disintegration time of chitosan tablets differences using *crospovidone* with concentration 1%, 2% and 5% as disintegrant with dry granulation method. Evaluation of tablets made on the formula 1, formula 2, formula 3 which includes uniformity of weight and size, hardness, disintegration time and tablet friability. Disintegration time of tablet evaluation of all formulas were statistically analyzed by the method of One – Way Anova. There is a significant difference from three formula test result. The obtained result is *crospovidone* with 5% concentration produced the most rapid disintegration time.

Key words : *crospovidone*, chitosan, disintegran, tablet, dry granulation.