

**STUDI KOMPARATIF KONSENTRASI *SODIUM STARCH GLYCOLATE*
TERHADAP KARAKTERISTIK FISIK TABLET KITOSAN
MENGUNAKAN *FILLER-BINDER PHARMATOSE[®] DCL 15* DENGAN
METODE CETAK LANGSUNG**

Patrecia Aristy, 2011

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ABSTRAK

Telah dilakukan penelitian untuk melakukan analisis pemenuhan spesifikasi dan perbedaan pada tablet kitosan yang mengandung mengandung *sodium starch glycolate* 2%, 4%, 8% dan *pharmatose[®] DCL 15* yang dibuat secara cetak langsung. Evaluasi tablet dilakukan pada formula I, II, dan III memenuhi spesifikasi dalam hal keseragaman bobot, friabilitas, kekerasan dan waktu hancur. Pada formula I, II dan III memenuhi spesifikasi. Analisis perbedaan antara formula I, II, dan III dilakukan secara statistik dengan metode *one-way Anova* dapat dinyatakan bahwa terdapat perbedaan yang tidak signifikan pada keseragaman bobot, sedangkan kekerasan, friabilitas dan waktu hancur berbeda signifikan ($\alpha=0,05$).

Kata kunci: *Sodium Starch Glycolate*, *Pharmatose[®] DCL 15*, Tablet Kitosan, Cetak langsung, Spesifikasi, Analisis Perbedaan.

**COMPARATIVE STUDY OF CONCENTRATION OF SODIUM STARCH
GLYCOLATE ON PHYSICAL CHARACTERISTICS CHITOSAN
TABLET WITH *PHARMATOSE[®] DCL 15* AS *FILLER-BINDER* USING
DIRECT COMPRESSION**

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ABSTRACT

A research was conducted to analyze specification compliance and the difference of Chitosan tablet formulation by direct compression that contain sodium starch glycolate 2%, 4%, 8% and *pharmatose[®] DCL 15*. The evaluation based on uniformity of weight, friability, hardness and disintegration time. The result the three formula has complained the specification of uniformity of weight, friability, hardness and disintegration time. Analysis of difference between formula I, II and III was analysis by One-Ways Anova method can be stated that the differences were not significant on the uniformity of weight, while friability, hardness and disintegration time is significant different ($\alpha=0,05$).

Key words : *Sodium Starch Glycolate*, *Pharmatose[®] DCL 15*, Chitosan Tablets, Direct compression, Specification, Analysis of difference.