

**PENGARUH DISINTEGRAN
SODIUM STARCH GLYCOLATE DENGAN
CROSPVIDONE TERHADAP KARAKTERISTIK
ORALLY DISINTEGRATING TABLET PIROKSIKAM**

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ABSTRAK

Telah diteliti formulasi *orally disintegrating tablet* (ODT) piroksikam secara cetak langsung. Penelitian ini bertujuan untuk melakukan analisis pemenuhan karakteristik ODT dan pengaruh disintegan *sodium starch glycolate* dan *crospovidone* terhadap karakteristik ODT. Didapatkan hasil bahwa ODT piroksikam dengan *crospovidone* memenuhi persyaratan karakteristik keseragaman ukuran, kekerasan, friabilitas, waktu hancur, dan waktu pembasahan, sedangkan ODT piroksikam dengan *sodium starch glycolate* tidak memenuhi persyaratan kekerasan dan friabilitas. Terdapat perbedaan bermakna ($\alpha = 0,05$) antara karakteristik ODT yang menggunakan *sodium starch glycolate* dengan ODT yang menggunakan *crospovidone* dalam keseragaman ukuran, waktu hancur, kekerasan, friabilitas, dan waktu pembasahan.

Kata kunci : *Orally disintegrating tablet*, piroksikam, disintegan, *sodium starch glycolate*, *crospovidone*

INFLUENCE OF DISINTEGRANT SODIUM STARCH GLYCOLATE AND CROSPROVIDONE DISINTEGRANT ON THE CHARACTERISTICS OF PIROXICAM ORALLY DISINTEGRATING TABLET

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ABSTRACT

The formulation of piroxicam orally disintegrating tablet (ODT) by direct compression was studied. This study assessed the fulfillment of ODT characteristic and the influence of disintegrant sodium starch glycolate and crospovidone on the characteristics of the tablet. It could be concluded that the piroxicam ODT using crospovidone met size uniformity, crushing strength, friability, disintegration time requirement, while piroxicam ODT using sodium starch glycolate didn't meet the crushing strength and friability requirement. There were some significance differences ($\alpha = 0,05$) between piroxicam ODT that used sodium starch glycolate and piroxicam ODT that used crospovidone in size uniformity, disintegration time, crushing strength, friability and wetting time.

Keyword : Orally disintegrating tablet, piroxicam, disintegrant, sodium starch glycolate, crospovidone