

PENGARUH CMC-Ca TERHADAP MUTU FISIK DAN DISOLUSI *ORALLY*
DISINTEGRATING TABLET PIROKSIKAM DENGAN PENGIKAT GELATIN 2%
DAN BASIS MANITOL (Dibuat dengan Metode *Freeze Drying*)

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ABSTRACK

Orally Disintegrating Tablet (ODT), usually prepared using freeze drying method are becoming popular drug formulations for patients who have difficulties in swallowing oral dosage form. The influence of CMC-Ca on physical characteristics and dissolution Orally Disintegrating Tablet piroxicam with 2% gelatin as a binder and base manitol was investigated. Piroxicam, as the API (active pharmaceutical ingredient), was dispersed in manitol, CMC-Ca and gelatin, prior lyophilization.

Physical characteristics of the tablets, including tablet hardness, friability, disintegration time, and dissolution profile were determined. Results showed that tablet containing gelatin 2% and CMC-Ca 2,5% has better mechanical strength compared to those tablets prepared without CMC-Ca and tablet with CMC-Ca 7,5%.

Keywords : Orally Disintegrating Tablet (ODT), CMC-Ca, gelatin, piroxicam, physical characteristics, dissolution.