

**OPTIMIZATION FORMULA PARACETAMOL TABLETS WITH
THE DISINTEGRANT AC-DI-SOL AND BINDER PVP K-30 BY
WET GRANULATION METHOD**

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The aim of this study was to determine the effect of Ac-Di-Sol 0,5% and 5% as disintegrant and PVP K-30 0,5% and 5% as binder on the physical quality (hardness, friability, disintegration time) and dissolution of paracetamol tablets made by wet granulation. Tablets were made containing 500 mg paracetamol and compressed at 1 ton by hydraulic press. Tablets were evaluated for hardness, friability, disintegration time and dissolution. The results showed that mechanical strength of the tablet containing Ac-Di-Sol 5% and PVP K-30 5% was better. From this study it was concluded that FIV with 5% concentration of Ac-Di-Sol and 5% concentration of PVP K-30 was the formula of choice.

Keywords : Tablets, Paracetamol, Ac-Di-Sol, PVP K-30, Wet granulation.

