

## **BAB 5**

### **KESIMPULAN DAN SARAN**

#### **5.1. Kesimpulan**

Konsentrasi amilum kulit pisang agung sebagai pengikat dan Ac-Di-Sol sebagai superdisintegran dalam formula ko-proses mempunyai pengaruh signifikan terhadap respon *Carr's index*, *Hausner ratio*, kekerasan, kerapuhan, waktu hancur, waktu pembasahan, dan rasio absorpsi air.

Tablet ODT domperidone yang dikempa dengan formula ko-proses optimum memenuhi syarat sebagai tablet ODT dengan karakteristik sebagai berikut: *carr's index* 20,65%, *hausner ratio* 1,26, kekerasan 2,19 kp, kerapuhan 0,49 %, waktu hancur 11,58 detik, waktu pembasahan 10,64 detik, dan rasio absorpsi air 139,86.

Formula optimum bahan ko-proses yang diperoleh dengan program optimasi *Design Expert* yaitu formula dengan konsentrasi amilum kulit pisang agung 3,95% dan konsentrasi Ac-Di-Sol 3,275%.

#### **5.2. Alur Penelitian Selanjutnya**

Diperlukan perbaikan cara pengolahan amilum kulit pisang agung yang lebih baik untuk memperbaiki warna dan hasil rendemen yang didapat.

Dapat dilakukan penelitian lebih lanjut menggunakan amilum kulit pisang agung sebagai pengikat dan menggunakan superdisintegran lain selain Ac-Di-Sol untuk membuktikan kesahihan dari hasil optimasi yang didapat.

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