

## **BAB 5**

### **SIMPULAN**

#### **5.1. Simpulan**

Berdasarkan hasil analisis data dapat disimpulkan bahwa dispersi solida ibuprofen-PEG 6000 dengan perbandingan berat 1:1, dibuat dengan metode pelelehan-pelarutan, menghasilkan kelarutan ibuprofen dalam air yang lebih tinggi.

Pelepasan obat dari tablet dispersi solida ibuprofen dengan PEG 6000 sebagai pembawa memiliki persen pelepasan yang lebih kecil dari tablet ibuprofen konvensional pada 10 menit pertama dan lebih besar pada menit-menit berikutnya. Pelepasan ini sangat dipengaruhi oleh konsentrasi Avicel PH 102 yang digunakan.

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

Dibuat formula tablet dispersi solida ibuprofen dengan memperhatikan macam-macam konsentrasi bahan pengisi yang digunakan supaya dapat menghasilkan persen pelepasan obat yang jauh lebih baik dari tablet ibuprofen konvensional.

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