

## **BAB V**

### **PENUTUP**

#### **5.1 Kesimpulan**

Berdasarkan penelitian yang telah dilakukan dapat ditarik kesimpulan sebagai berikut:

- 1 Hasil karakterisasi liposom kalsium askorbat menggunakan Spektrofotometri UV-Vis menunjukkan panjang gelombang 267 nm dan hasil karakterisasi rata rata liposom menggunakan PSA menunjukkan ukuran partikel 293,36 nm dengan nilai indeks polidispersitas 0,503.
- 2 Liposom Kalsium Askorbat pada F2 merupakan formula yang terbaik dengan konsentrasi fosfolipid 7% yang diformulasikan dengan metode pemanasan dan sonikasi menghasilkan efisiensi penjerapan sebesar 70%.
- 3 Hasil pengujian disolusi *In Vitro* pada F2 menunjukkan hasil dengan persen kumulatif masing-masing formula pada menit ke-30, 60, 90, 120, 150, 180 berturut-turut yaitu 86,95%, 77,54%, 62,70%, 45,22%, 54,80%, 52,55%.

#### **5.2 Saran**

1. Perlu memvariasikan kembali komposisi lesitin yang digunakan untuk mendapatkan hasil sediaan liposom yang optimal.
2. Perlu dilakukan penelitian lebih lanjut mengenai efektivitas nanokapsul kalsium askorbat secara *in vivo*.

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