

## **BAB 5**

### **KESIMPULAN DAN SARAN**

#### **5.1 Simpulan**

Berdasarkan hasil penelitian optimasi menunjukkan bahwa *sodium lauryl ether sulfate* untuk meningkatkan aksi pembersihan, pembentukan busa dan stabilitas busa. *Cocamidopropyl betaine* berpengaruh untuk meningkatkan aksi pembersihan, pembentukan busa dan stabilitas busa. Interaksi keduanya berpengaruh untuk meningkatkan aksi pembersihan, pembentukan busa dan stabilitas busa.

Hasil optimasi memberikan formula optimum pada sediaan sabun transparan ekstrak kering teh hijau (*Camellia sinensis* L. var. *assamica*) yang diperoleh dengan *design expert* yaitu kombinasi *sodium lauryl ether sulfate* 10,98% dan *cocamidopropyl betaine* 7,12% dengan perkiraan hasil aksi pembersihan 47,44%, pembentukan busa 6,92 cm dan stabilitas busa 56,16%

#### **5.2 Saran**

Berdasarkan hasil penelitian yang didapatkan, perlu dilakukan penelitian lebih lanjut dengan penggunaan jenis ekstrak teh hijau yang digunakan, agar sediaan sabun yang dihasilkan memiliki penampilan yang lebih transparan.

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