

BAB 5

KESIMPULAN DAN SARAN

5.1. Kesimpulan

1. Peningkatan konsentrasi ekstrak kering sari tebu (*Saccharum officinarum*) (5%, 10%, dan 15%) dalam sediaan *foaming body wash* berpengaruh terhadap hasil uji mutu fisik (pH, viskositas, bobot jenis, stabilitas dan tinggi busa serta kemudahan pengaplikasian), efektivitas (daya pelembab dan aksi pembersihan) serta uji kesukaan (uji hedonik).
2. Berdasarkan hasil seluruh parameter uji mutu fisik, stabilitas fisik, efektivitas, keamanan, dan aseptabilitas, dapat disimpulkan formula terbaik sediaan ini adalah Formula 1 (konsentrasi ekstrak 5%) karena menghasilkan nilai efektivitas pembersihan paling tinggi serta hasil pengamatan parameter uji mutu fisik dan efektivitas pelembab yang memenuhi rentang spesifikasi.

5.2. Saran

Pada penelitian selanjutnya disarankan untuk memformulasikan sediaan dengan menggunakan ekstrak kering sari tebu dengan menggunakan metode *spray-drying* untuk dapat mengurangi penambahan *filler* serta melakukan pengujian busa sediaan menggunakan *Ross-miles foam test* agar mempermudah pengamatan dan pengukuran busa sehingga didapatkan hasil sediaan yang lebih baik.

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