

BAB 5

KESIMPULAN DAN SARAN

5.1. Kesimpulan

1. Kombinasi ekstrak kopi robusta dan daun mint dengan perbandingan 1:1 dapat dibuat sediaan formulasi larutan dan emulsi. Pada pengujian mutu fisik sediaan memenuhi syarat uji pH dan uji viskositas serta tidak memenuhi persyaratan uji daya penyemprotan, uji waktu penguapan, dan uji kelengketan.
2. Kombinasi ekstrak kopi robusta dan daun mint dengan perbandingan 1:1 pada konsentrasi 1% dan 5% tidak memberikan DHP terhadap isolat bakteri *Staphylococcus sp.* Kontrol positif alkohol 70% menunjukkan DHP rata-rata 7,4 mm, sedangkan pada kontrol positif tetrasiklin terbentuk DHP rata-rata 28 mm.

5.2. Saran

1. Sediaan *foot spray* yang dihasilkan tidak memenuhi pengujian mutu fisik sehingga kurang disukai saat digunakan. Selain itu warna dari sediaan berwarna hijau kehitaman, berbeda dengan sediaan *foot spray* yang beredar di pasaran yaitu bening, sehingga dianggap kurang menarik. Dibuatnya sediaan dengan konsentrasi ekstrak lebih tinggi untuk mendapatkan hasil daya hambat pertumbuhan yang lebih besar, namun ekstrak akan sulit terlarut dan menghasilkan sediaan yang kurang bagus secara visual. Dapat dikembangkan sediaan dengan bentuk bedak tabur dan *powder spray* dengan konsentrasi ekstrak yang lebih besar dari 5% sehingga diharapkan dapat membentuk sediaan dengan mutu fisik yang baik dan aktif.

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