

BAB V

KESIMPULAN DAN SARAN

V.1. Kesimpulan

Kesimpulan yang dapat diperoleh dari penelitian ini adalah metode ekstraksi menentukan jumlah total senyawa fenolik terekstrak yang berpengaruh terhadap reduksi ion Ag^+ menjadi nanopartikel perak dan kemampuan antijamur masing-masing nanopartikel, yang dimana:

1. Teknik ekstraksi kulit jeruk purut mempengaruhi yield dari nanopartikel perak. Teknik yang memberikan yield paling besar adalah ekstraksi perebusan selama 10 menit dengan yield produk sebesar 1,87 %.
2. Teknik ekstraksi kulit jeruk purut mempengaruhi kemampuan antijamur dari nanopartikel perak. Teknik yang memberikan nanopartikel perak dengan kemampuan antijamur terbaik adalah ekstraksi dengan perebusan selama 10 menit dengan luas zona hambat sebesar 8,5 mm.
3. Dari penelitian ini, dapat ditentukan bahwa teknik yang menghasilkan nanopartikel perak dengan kemampuan antijamur terbesar adalah ekstraksi dengan perebusan selama 10 menit.

V.2. Saran

Dari hasil penelitian ini, ada saran yang dapat diberikan untuk penelitian selanjutnya :

1. Pentingnya dilakukan studi lebih lanjut mengenai optimasi kondisi dari berbagai metode ekstraksi untuk memperoleh nilai senyawa fenolik total optimum dari ekstraksi kulit jeruk purut.

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