

BAB 5

KESIMPULAN DAN SARAN

5.1 Kesimpulan

1. Perbedaan dalam metode sterilisasi permukaan seperti perbedaan kombinasi agen sterilisasi serta lama perendaman dapat mempengaruhi jumlah fungi endofit yang didapatkan dari tanaman Tapak dara (*Catharanthus roseus*). Kombinasi pelarut etanol 75% dan sodium hipoklorit 4% dengan lama perendaman masing-masing 1 dan 5 menit pada bagian daun tanaman Tapak dara (*Catharanthus roseus*) dapat menghasilkan jumlah fungi endofit paling banyak yaitu sebanyak 8 jenis fungi endofit.
2. Hasil isolasi dari bagian tanaman yang berbeda bisa menghasilkan fungi endofit yang sama namun juga bisa berbeda. Fungi endofit *Alternaria alternata* dapat ditemukan hampir di setiap bagian Tapak dara (*Catharanthus roseus*). Daun merupakan bagian penghasil fungi endofit yang paling banyak dan beragam.

5.2 Saran

Pada penelitian selanjutnya dapat dilakukan studi literatur mengenai pengaruh metode isolasi selain menggunakan teknik sterilisasi permukaan terhadap isolate fungi endofit dari tanaman tapak dara (*Catharanthus roseus*).

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