

BAB 5

KESIMPULAN DAN SARAN

5.1 Kesimpulan

1. Fungi endofit dapat diisolasi dari kulit petai (*Parkia speciosa* Hassk.). Terdapat 6 isolat fungi endofit yang diperoleh yaitu EKP 1, EKP 2, EKP 3, EKP 4, EKP 5, dan EKP 6.
2. EKP 1, EKP 2, EKP 3, EKP 4, dan EKP 6 tidak memiliki aktivitas antibakteri terhadap *Escherichia coli* ATTC 8739 dan *Staphylococcus aureus* ATTC 6538. EKP 5 hanya memiliki aktivitas antibakteri terhadap *Escherichia coli* ATTC 8739.
3. Fungi endofit yang diperoleh diduga dari genus *Mortierella* (EKP 1), genus *Myrothecium* (EKP 2), genus *Nodulisporium* (EKP 3), genus *Aureobasidium* (EKP 4), genus *Penicillium* (EKP 5), dan genus *Circinella* (EKP 6).

5.2 Saran

Berdasarkan hasil penelitian yang telah dilakukan, maka sebaiknya perlu dilakukan uji aktivitas antibakteri terhadap bakteri lain dan uji selain aktivitas antibakteri. EKP 5 sebaiknya dilakukan fermentasi untuk memperoleh kadar senyawa aktif dalam jumlah besar yang dapat digunakan untuk penelitian aktivitas antibakteri lebih lanjut.

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