

## **BAB 5**

### **KESIMPULAN DAN SARAN**

#### **5.1. Kesimpulan**

Berdasarkan hasil penelitian yang telah dilakukan dan pengolahan data secara statistik maka dapat diambil kesimpulan sebagai berikut:

1. Kandungan metabolit sekunder ekstrak daun afrika (*Vernonia amygdalina* Del.) yaitu alkaloid, steroid, saponin, triterpenoid, minyak atsiri dan flavonoid dengan konsentrasi dosis 100, 200, 400 mg/kgBB secara oral memberikan aktivitas sebagai antibakteri *Staphylococcus aureus* pada hewan coba.
2. Pemberian ekstrak etanol daun afrika mampu menghambat pertumbuhan bakteri *Staphylococcus aureus* dengan menurunkan suhu tubuh, jumlah neutrofil dan jumlah makrofag pada tikus wistar jantan yang diinokulasi *Staphylococcus aureus* bila dibandingkan dengan kelompok negatif.

#### **5.2. Saran**

Berdasarkan hasil penelitian yang telah diperoleh, maka penelitian selanjutnya disarankan melakukan penambahan waktu inkubasi dan penambahan konsentrasi bakteri *Staphylococcus aureus* untuk mengamati efek daun afrika sebagai antipiretik. Serta dilakukan uji aktivitas sel neutrofil dan sel makrofag dengan pembacaan jumlah sel melalui alat *Haemositometer*.

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