

BAB 5

SIMPULAN DAN ALUR PENELITIAN SELANJUTNYA

5.1 Simpulan

Berdasarkan hasil penelitian, maka dapat disimpulkan bahwa :

1. Sediaan *patch* ekstrak etanol lada hitam (*Piper nigrum* L.) memiliki efek sebagai analgesik pada mencit yang diinduksi asam asetat 1% dan dapat menurunkan jumlah sel makrofag.
2. Isopropil miristat memiliki efektivitas yang baik dalam meningkatkan penetrasi dan mengoptimalkan efek analgesik pada sediaan *patch* ekstrak etanol lada hitam (*Piper nigrum* L.).

5.2 Saran

Berdasarkan hasil dan kesimpulan penelitian, saran peneliti untuk penelitian selanjutnya sebagai berikut :

1. Perlu dilakukan penelitian lebih lanjut mengenai senyawa lain pada tanaman lada hitam (*Piper nigrum* L.) yang memiliki efek analgesik.
2. Perlu dilakukan penelitian lebih lanjut mengenai kombimasi enhancer pada sediaan transdermal *patch* ekstrak etanol lada hitam (*Piper nigrum* L.).
3. Perlu dilakukan penelitian lebih lanjut dengan durasi yang lebih panjang untuk mengamati perbandingan *duration of action* pemberian oral dan transdermal *patch*.

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