

BAB 5

KESIMPULAN DAN SARAN

5.1 Kesimpulan

1. Terjadi aktivitas penghambatan ekspresi siklooksigenase-2 (COX-2) pada membran korioalantois telur ayam berembrio setelah pemberian ekstrak etanol biji jintan hitam (*Nigella sativa*) 90 µg dan 110 µg.
2. Diperoleh dosis ekstrak etanol biji jintan hitam (*Nigella sativa*) yang menimbulkan aktivitas penghambatan ekspresi siklooksigenase-2 (COX-2) terbesar yaitu dosis 110 µg.

5.2 Saran

Berdasarkan penelitian yang dilakukan, saran yang dapat diberikan peneliti sebagai berikut :

1. Perlu dilakukan penelitian lebih lanjut tentang penghambatan ekspresi siklooksigenase-2 (COX-2) untuk terapi antiangiogenik dengan data yang lebih mendukung dan menggunakan perhitungan statistik.
2. Perlu dilakukan penelitian lebih lanjut mengenai khasiat timokuinon pada biji jintan hitam (*Nigella sativa*) selain khasiatnya sebagai antiangiogenesis.
3. Penerapan konsep-konsep antiangiogenesis ekstrak etanol biji jintan hitam (*Nigella sativa*) pada penelitian klinis dengan terapi antiangiogenik dalam praktek secara klinis.
4. Penelitian lebih lanjut tentang aktivitas senyawa antiangiogenesis dalam biji jintan hitam (*Nigella sativa*) dan diharapkan digunakan secara klinis sebagai salah satu alternatif obat kanker.

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