

BAB 5

KESIMPULAN DAN SARAN

5.1. Kesimpulan

Berdasarkan hasil penelitian yang telah dilakukan dapat disimpulkan bahwa :

1. Ekstrak etanol daun pacar kuku (*Lawsonia inermis* Linn.) mempunyai daya hambat terhadap aktivitas enzim xantin oksidase. Kesimpulan ini diambil berdasarkan kemampuan ekstrak etanol daun pacar kuku yang mampu menghambat aktivitas enzim pada semua rentang konsentrasi. Dengan peningkatan konsentrasi terjadi peningkatan daya hambat ekstrak terhadap aktivitas enzim xantin oksidase.
2. Dari hasil pengujian diketahui nilai IC_{50} ekstrak etanol daun pacar kuku terhadap enzim xantin oksidase sebesar $24,424 \pm 5,10 \mu\text{g/mL}$.

5.2. Saran

Berdasarkan hasil penelitian yang diperoleh, maka perlu dilakukan penelitian lanjutan yaitu pengujian toksisitas akut untuk mengetahui keamanan dari ekstrak etanol daun pacar kuku (*Lawsonia inermis* Linn.) yang berpotensi sebagai inhibitor enzim xantin oksidase dan juga uji isolasi senyawa murni yang berpotensi sebagai inhibitor xantin oksidase.

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