

## BAB. V

### KESIMPULAN DAN SARAN

#### 5.1. Kesimpulan

Berdasarkan hasil analisa dan interpretasi penemuan maka dapat disimpulkan:

1. Kelima senyawa uji (*N*-benzoil-*N'*-feniltiourea, *N*-(4-metilbenzoil)-*N'*-feniltiourea, *N*-(4-klorobenzoil)-*N'*-feniltiourea, *N*-benzoil-*N'*-(4-metilfenil)tiourea, dan *N*-(4-klorobenzoil)-*N'*-(4-metilfenil)tiourea) tidak mempunyai aktivitas antifungi, tetapi dapat mencegah pertumbuhan optimum *Aspergillus niger* dan *Candida albicans*.
2. Kelima senyawa uji (*N*-benzoil-*N'*-feniltiourea, *N*-(4-metilbenzoil)-*N'*-feniltiourea, *N*-(4-klorobenzoil)-*N'*-feniltiourea, *N*-benzoil-*N'*-(4-metilfenil)tiourea dan *N*-(4-klorobenzoil)-*N'*-(4-metilfenil)tiourea) dapat mencegah pertumbuhan optimum, sedangkan ketokonazol mempunyai aktivitas antifungi, baik terhadap *Aspergillus niger* (KHM sebesar 60,0 ppm) maupun terhadap *Candida albicans* (KHM sebesar 30,0 ppm).
2. Adanya substituen kloro maupun substituen metil dapat memperbesar pencegahan pertumbuhan optimum terhadap *Aspergillus niger* maupun terhadap *Candida albicans*. Dari kedua substituen tersebut, yang lebih besar mencegah pertumbuhan optimum fungi adalah substituen kloro.

## 5.2. Saran

Perlu dilakukan modifikasi pada substituen kloro maupun pada substituen metil pada senyawa *N*-benzoil-*N'*-feniltiourea agar diperoleh aktivitas antifungi.



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