

BAB V SIMPULAN

5.1. Simpulan

Berdasarkan hasil penelitian aktivitas antibakteri *N*-fenil-*N'*-benzoiltiourea, *N*-fenil-*N'*-(3-klorobenzoil)tiourea, *N*-fenil-*N'*-(4-klorobenzoil)tiourea dan *N*-fenil-*N'*-(3,4-diklorobenzoil)tiourea terhadap *Bacillus subtilis* dan *Pseudomonas aeruginosa* dengan metode difusi cakram dan metode dilusi padat, maka dapat ditarik kesimpulan yaitu senyawa uji turunan *N*-fenil-*N'*-benzoiltiourea hanya mencegah pertumbuhan optimum pada bakteri, sehingga dapat disimpulkan bahwa senyawa uji turunan *N*-fenil-*N'*-benzoiltiourea tidak memiliki efek antibakteri terhadap *Pseudomonas aeruginosa* dan *Bacillus subtilis*. Penambahan substituen 3-kloro, 4-kloro, dan 3,4-dikloro pada senyawa induk hanya mempengaruhi pencegahan pertumbuhan optimum bakteri, sehingga dapat disimpulkan bahwa senyawa uji turunan *N*-fenil-*N'*-benzoiltiourea tidak memiliki efek antibakteri terhadap *Pseudomonas aeruginosa* dan *Bacillus subtilis*.

5.2. Alur Penelitian Selanjutnya

Hasil penelitian menunjukkan bahwa senyawa *N*-fenil-*N'*-benzoiltiourea, *N*-fenil-*N'*-(3-klorobenzoil)tiourea, *N*-fenil-*N'*-(4-klorobenzoil)tiourea dan *N*-fenil-*N'*-(3,4-diklorobenzoil)tiourea tidak menghasilkan efek antibakteri baik terhadap *Bacillus subtilis* maupun *Pseudomonas aeruginosa* sehingga penggunaan senyawa-senyawa ini tidak disarankan sebagai antibakteri. Penelitian selanjutnya sebaiknya difokuskan

pada uji farmakologi misalnya sebagai penekan sistem saraf pusat atau sedatif hipnotik.

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