

BAB 5

KESIMPULAN DAN SARAN

5.1 Kesimpulan

Berdasarkan penelitian simulasi dinamika molekul bentuk apo protein *macrophage infectivity potentiator* dari *Legionella pneumophila*, telah diperoleh hasil data sehingga dapat ditarik kesimpulan. Kesimpulan tersebut dipaparkan sebagai berikut :

1. Simulasi dinamika molekul selama 200 ns menghasilkan perhitungan RMSD yang cukup stabil dengan rata-rata RMSD untuk semua atom protein sebesar 0,28 nm dan untuk atom penyusun tulang belakang sebesar 0,20 nm.
2. Residu yang bersifat paling fleksibel berdasarkan perhitungan rata-rata RMSF dan dilihat oleh perubahan dPCA adalah P117.
3. Analisa dPCA dari 20000 konformasi menghasilkan tujuh struktur dan tujuh konformasi protein Mip mengalami perubahan posisi yang signifikan.

5.2 Saran

Penelitian ini dapat dilanjutkan dengan :

Simulasi dinamika molekul protein Mip dengan ligan lain

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