

BAB 5

KESIMPULAN DAN SARAN

5.1. Kesimpulan

Dari hasil dan pembahasan penelitian yang telah dilakukan dapat diambil kesimpulan sebagai berikut :

1. Penambahan amonium sulfat dapat pada konsentrasi 6,6 %, 9,9%, 13,2 %, 16,5 % dan 19,8 % menurunkan aktivitas ekstrak kasar enzim selulase dari isolat *Bacillus subtilis* Strain SF01.
2. Penambahan urea pada konsentrasi 6 %, 12 %, 18 %, 24 % dan 30 % tidak memberikan pengaruh terhadap aktivitas ekstrak kasar enzim selulase dari isolat *Bacillus subtilis* Strain SF01
3. Penambahan sodium dodesil sulfat (SDS) pada rentang konsentrasi 0,1 %, 0,5 %, 1 %, 1,5 % dan 2 % dapat meningkatkan aktivitas ekstrak kasar enzim selulase dari isolat *Bacillus subtilis* Strain SF01.

5.2. Saran

Dari hasil pembahasan penelitian yang telah dilakukan disarankan :

1. Dilakukan penelitian aktivitas enzim selulase asal *Bacillus subtilis* SF01 setelah pemurnian.
2. Dilakukan pengujian pengaruh amonium sulfat, urea dan sodium dodesil sulfat terhadap *Carboxymethyl Cellulose*

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