BAB 5
KESIMPULAN DAN SARAN

5.1 Kesimpulan

1. Metode kromatografi dengan resin SP-Sepharose dan Sephadex G-100 adalah metode yang menghasilkan nilai aktivitas spesifik dan tingkat pemurnian tertinggi (448,590 U/mg dan 95,2 kali) dibandingkan dengan metode lainnya. Metode kromatografi sangat bagus dalam pemurnian enzim karena sangat spesifik dan terukur.
2. Aktivitas spesifik dari bagian-bagian nanas yang berbeda dipengaruhi oleh jenis varietas yang berbeda, kondisi geografis dan iklim, umur tanaman serta metode yang dipilih. Bagian nanas yang disarankan dari hasil kajian pustaka adalah kulit nanas dengan perolehan aktivitas spesifik tertinggi sebesar 11768,11 U/mg dibandingkan pada bagian nanas lainnya.

5.2 Saran

1. Bagi masyarakat: penelitian kajian pustaka ini diharapkan dapat menjadi sumber referensi bagi kalangan masyarakat agar dapat memanfaatkan sumber limbah nanas untuk menghasilkan aktivitas spesifik bromelin.
2. Bagi peneliti: diharapkan dapat mengembangkan penelitian lebih lanjut lagi terkait variabel yang belum diteliti dalam penelitian ini, menggunakan periode waktu penyimpanan lebih lama dan perbedaan pH pada enzim kasar yang digunakan.

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