

SIMPULAN DAN SARAN

Simpulan

Spektrum serapan Na-benzoat dan K-sorbat mempunyai serapan maksimum pada panjang gelombang masing-masing 224 dan 254.4 nm. Kisaran konsentrasi linear Na-benzoat pada 2-14 mg/L dan K-sorbat pada 1-4 mg/L. Adanya Na-benzoat atau K-sorbat menurunkan sensitivitas pengukuran kedua senyawa tersebut.

Kalium sorbat dipilih sebagai analit dan natrium benzoat sebagai pengganggu karena didapatkan akurasi yang lebih baik. Penentuan simultan konsentrasi natrium benzoat dan kalium sorbat dengan HPSAM menghasilkan pasangan panjang gelombang terpilih pada 212.2 dan 233.4 nm. Natrium benzoat dan kalium sorbat pada beberapa campuran sintetik ditentukan secara simultan pada kisaran masing-masing sebesar 4 mg/L dan 1-1.5 mg/L, dengan presisi dan akurasi yang baik. Uji coba metode ini menghasilkan presisi dan akurasi yang baik untuk penentuan Na-benzoat pada sampel minuman isotonik.

Saran

Penentuan simultan Na-benzoat dan K-sorbat dengan HPSAM perlu dilakukan pada berbagai sampel yang beredar di pasaran untuk memastikan ketangguhan metode ini. Selain itu, metode ini perlu dibandingkan dengan metode referensi.

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