

**ANALISIS KANDUNGAN ZAT PEMANIS BUATAN ASPARTAM DALAM
BEBERAPA SERBUK MINUMAN KEMASAN YANG BEREDAR DI
PASARAN KOTA BANDUNG DENGAN MENGGUNAKAN
KROMATOGRAFI CAIR KINERJA TINGGI**

ABSTRAK

LISTYA HASANAH

E-mail : listyahasannah@gmail.com

Aspartam adalah salah satu pemanis buatan pengganti gula yang memiliki rasa dan harga relatif murah karena diproses secara kimiawi untuk menghasilkan rasa yang lebih manis. Telah dilakukan penelitian penetapan kadar Aspartam di dalam minuman kemasan yang beredar di Bandung. Penetapan kadar Aspartam pada minuman kemasan dengan metode Kromatografi Cair Kinerja Tinggi (KCKT) menggunakan detektor UV pada panjang gelombang 280 nm. Fase gerak yang digunakan asetonitril : akuabidestilata 40 : 60 , fase diam kolom C-18 dan laju alir 1 mL/menit . Hasil uji penetapan kadar aspartam adalah 68,834 mg/kg; 63,764 mg/kg; 65,432 mg/kg; 65,266 mg/k; 64,056 mg/kg; 64,424 mg/kg. Hasil penelitian kandungan aspartam yang digunakan dalam minuman kemasan ada yang melebihi batas maksimum penggunaan yang diperbolehkan.

Kata Kunci : Aspartam, Minuman Ringan, KCKT

Filename: Abstrak fix
Directory: F:\sidang
Template: C:\Users\user\AppData\Roaming\Microsoft\Templates\Normal.dotm
Title:
Subject:
Author: DELL
Keywords:
Comments:
Creation Date: 3/2/2015 10:53:00 PM
Change Number: 3
Last Saved On: 6/29/2015 10:48:00 PM
Last Saved By: DELL
Total Editing Time: 12 Minutes
Last Printed On: 7/7/2015 3:42:00 PM
As of Last Complete Printing
Number of Pages: 1
Number of Words: 169 (approx.)
Number of Characters: 967 (approx.)



**ARTIFICIAL SWEETENERS ASPARTAME ANALYSIS CONTENT IN
SOME SACHETS BEVERAGE POWDER PACKAGING WHICH
CIRCULATING IN THE MARKET TOWN OF BANDUNG WITH HIGH
PERFORMANCE LIQUID CHROMATOGRAPHY**

ABSTRACT

LISTYA HASANAH

E-mail : listyahasanaah@gmail.com

Aspartame is a sweetener that has the taster of sugar and is relatively cheap because the artificial is processed chemically. Aspartame assay research was conducted in sachets powder beverages sells in Bandung. Assay of Aspartame in sachets powder beverage by High Performance Liquid Chromatography with UV detector at a wavelength of 280 nm. The mobile phase used acetonitrile : aquabidestilata 40 : 60 and the stationary phase C-18 column with a flow rate of 1 mL/min. The test results of the assay aspartame is 68,834 mg/kg; 63,764 mg/kg; 65,432 mg/kg; 65,266 mg/k; 64,056 mg/kg; 64,424 mg/kg respectively. Some results of the research content of aspartame used in sample exceeds the maximum allowable usage.

Key word : aspartame, soft drink, HPLC

Filename: Abstract fix
Directory: F:\sidang
Template: C:\Users\user\AppData\Roaming\Microsoft\Templates\Normal.dotm
Title:
Subject:
Author: DELL
Keywords:
Comments:
Creation Date: 3/2/2015 10:59:00 PM
Change Number: 5
Last Saved On: 6/29/2015 10:47:00 PM
Last Saved By: DELL
Total Editing Time: 35 Minutes
Last Printed On: 7/7/2015 3:41:00 PM
As of Last Complete Printing
Number of Pages: 1
Number of Words: 156 (approx.)
Number of Characters: 890 (approx.)

