MUHAMMAD FIRMAN"Analisis KadarFosfor Dalam Pasta Gigi Anak Dengan Menggunakan Metode Spektrofometri Sinar Tampak,(dibimbing oleh**Ajeng Kurniati R**dan**Suherman B**).

Telah dilakukan penelitian tentang analisis kadar fosfor dalam Pasta gigi anak dengan menggunakan Metode Spektrofotometri Sinar Tampak. PenelitianbertujuanuntukmenentukanKadar Fosfor pada Pasta gigi anakapakah sudah memenuhi Standar Nasional Indonesia (SNI),Penelitianinimeliputipengukurankadardarisampel Pasta gigi anakkemudiandilarutkandalampelarut yang sesuai. Analisisdilakukansecarakualitatif dan kuantitatif. Dari hasilanalisiskualitatifdiperoleh3 merk sampel(A), (B), dan (C) yang positif mengandung fosforyang sesuai dengan pustaka dan 2 merk sampel yang negatif menandung fosfor yaitu (D) dan (E). SedangkandarianalisiskuantitatifdenganmenggunakanmetodeSpektrofoto metriSinar tampakdenganpanjanggelombang650nmdiperolehkadar rata-rata sampel Pasta gigi anak Merk **(A)** : 0,0892 mg/g, **(B)** : 0,0956mg/g, dan **(C)** : 0,1084mg/g, dari ke tiga hasil tersebut dapat disimpulkan bahwa sampel Pasta gigi anak yang mengandung Fosfor telah memenuhi Stanndar Nasional Indonesia (SNI) yaitu Sebesar 500-1000 mg/L dan baik untuk dipakai oleh anak-anak karena telah memenuhi Standar Nasional Indonesia (SNI).

Kata Kunci: Fosfor, Spektrofotometri Sinar Tampak, Pasta Gigi Anak.



ABSTRACT

MUHAMMAD FIRMAN "Analysis of Phosphorus Levels In Kids Toothpaste Brands Using Various spectrophotometric method Sinar Looks, (supervised by **Ajeng Kurniati R** and **Suherman B**).

A research on the analysis of phosphorus levels in children's toothpaste using spectrophotometry method Sinar Looks. The study aims to determine the levels of phosphorus in Toothpaste child is to meet the Indonesian National Standard (SNI), this study include measurements of levels of child Toothpaste samples are then dissolved in a suitable solvent. The analysis was conducted qualitatively and quantitatively. Qualitative analysis of the results obtained 3 brand samples (A), (B) and (C) a positive containing phosphorus according to the library and two brands of negative samples that contain the phosphorus that is (D) and (E). While the quantitative analysis using spectrophotometry methods rays appear with a wavelength of 650 nm is obtained an average grade of samples Toothpaste Brands child **(A):** 0.0892mg/g, **(B):** 0.0956mg/g, and **(C):** 0.1084mg/g, the results of all three can be concluded that the samples of toothpaste containing phosphorus child has met Stanndar Nasional Indonesia **(SNI)** is a sum of 500-1000 mg / L and good for use by children because it has met the Indonesian National Standard **(SNI).**

Keywords: Phosphorus, Spectro Sinar Looks, Children's Toothpaste.



DAFTAR ISI

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