

## ABSTRAK

**Nisfa Mohamad. 2015. Analisis Kualitas Tanah Tempat Buangan Limbah Ampas Kelapa di Pabrik Tepung Kelapa PT.Tri Jaya Tangguh Kelurahan Isimu Kecamatan Tibawa Kabupaten Gorontalo. Skripsi, Jurusan Kesehatan Masyarakat, Fakultas Ilmu-Ilmu Kesehatan dan Keolahragaan, Universitas Negeri Gorontalo. Pembimbing I Dian Saraswati, S.Pd., M.Kes dan Pembimbing II Sirajuddien Bialangi, S.KM., M.Kes**

Industri kelapa merupakan salah satu industri yang menghasilkan limbah yang dapat mempengaruhi kualitas tanah. Limbah ampas kelapa yang dihasilkan memiliki kandungan organik yang cukup tinggi yang dapat berdampak pada perubahan kualitas tanah khususnya kualitas kimia tanah. Penelitian ini bertujuan untuk mengetahui kualitas tanah tempat buangan limbah ampas kelapa di pabrik tepung kelapa PT. Tri Jaya Tangguh Kelurahan Isimu Kecamatan Tibawa Kabupaten Gorontalo.

Penelitian ini merupakan jenis penelitian deskriptif kuantitatif. Dimana sampel yang diteliti dibagi menjadi 3 titik yakni 1) tanah kering, 2) sedikit basah dan 3) sangat basah. Teknik pengambilan sampel menggunakan *metode zig zag* dimana tanah yang diuji merupakan contoh tanah komposit yaitu contoh tanah campuran dari contoh-contoh tanah individu.

Berdasarkan hasil analisis data diketahui dari 3 titik pengambilan sampel untuk status pH tanah, seluruh sampel mengalami pemasaman tanah dan tidak memenuhi syarat kriteria kadar pH tanah netral, untuk status nitrogen, fosfor dan kalium tanah hanya sampel titik 1 yang memenuhi syarat kadar unsur hara netral dalam tanah. Untuk itu diharapkan kepada pihak industri pabrik untuk melakukan pengelolaan limbah ampas kelapa sebagai rekomendasi pembuatan pupuk.

**Kata Kunci : Kualitas Tanah, Limbah, Ampas Kelapa**

## ABSTRACT

Nisfa Mohamad, 2015. *Analysis of the Soil Quality in the Landfill of The Coconut Pulp Tri Jaya Tangguh Inc. Coconut Flower Factory of Isimu Village of Tibawa Sub-district, District of Gorontalo.* Skripsi. Department of Public Health, Faculty of Health Science and Sports, State University of Gorontalo. Principal Supervisor was Dian Saraswati, S.Pd., M.KEs and Co-supervisor was Sirajuddin Bialangi, S.KM, M.Kes

Coconut industry is one of the industries that produce sewage that could influence the quality of the soil. The coconut pulp sewage contains high organic materials that could influence the quality of the soil especially the chemical composition of the soil. This research was designed to find out the quality of the soil in the area of the coconut pulp landfill of the coconut flower factory, Tri Jaya Tangguh Inc. in Isimu village of Tibawa Sub-district, District of Gorontalo.

This research was a quantitative descriptive study, in which the studied samples were taken from three different spots namely, (1) dry landfill, 2) semi wet landfill, and 3) very wet landfill. The samples were taken through zigzag method, in which the tested soil was combination of the samples of the individual soil.

Based on the research findings, it was found that from three samples spot of the soil acidity (pH), all the soil samples experienced soil acidity and did not have neutral pH. Based on the status of the nitrogen and phosphor and calcium in the samples soil, only sample in the first spot matched with the neutral criteria of the soil nutrient. It was suggested that the factory treat the coconut pulp sewage as one of the materials to produce fertilizers.

**Keywords:** Soil Quality, Coconut Pulp Sewage

