

ABSTRAK

Riny Angriani Antula, 811409075. “Gambaran Teknik Penyaringan Air Sederhana Melalui Metode Saringan Pasir Lambat dengan Metode Absorpsi di Desa Pentadio Barat Kecamatan Telaga Biru Kabupaten Gorontalo” Skripsi, Jurusan Kesehatan Masyarakat, Fakultas Ilmu – ilmu Kesehatan dan Keolahragaan, Universitas Negeri Gorontalo. Pembimbing I Dr. Hj. Rama P. Hiola, Dra, M.Kes dan pembimbing II Ramly Abudi, S.Psi, M.Kes.

Desa Pentadio Barat dengan jumlah sumur sebanyak 20 buah sumur. Adapun masalah yang ada di Desa Pentadio Barat yaitu air sumurnya sudah tidak memenuhi syarat kualitas fisik air baik dilihat dari warna, rasa, dan bau.

Tujuan penelitian ini adalah untuk melihat Gambaran Teknik Penyaringan Air Sederhana melalui Metode Filtrasi Saringan Pasir Lambat dengan Metode Absorpsi dilihat dari warna, rasa, bau, dan TDS.

Jenis penelitian ini adalah Deskriptif dengan Metode Observasional dimana akan diperoleh Gambaran Teknik Penyaringan Air Sederhana Melalui Metode Saringan Pasir Lambat dengan Metode Absorpsi di Desa Pentadio Barat Kecamatan Telaga Biru Kabupaten Gorontalo. Jumlah sampel 20 buah sumur Teknik pengambilan sampel yaitu Total Sampling dimana sampel diambil dari keseluruhan populasi, teknik pengumpulan data dalam penelitian ini meliputi : Data primer melalui observasi dan data sekunder.

Berdasarkan hasil penyaringan air sederhana melalui metode saringan pasir lambat dan metode absorpsi dilihat dari kedua metode tersebut yang paling bagus digunakan yaitu menggunakan metode absorpsi dimana teknik penyaringannya berhasil sedangkan dibandingkan dengan metode saringan pasir lambat setelah dilakukan penyaringan hasil penyaringannya tidak berhasil. Jadi hasil yang paling bagus digunakan yaitu metode absorpsi dilihat dari sumur ke-1 – sumur ke-20.

Saran perlu dijaga alat yang telah dibuat kepada masyarakat untuk lebih mempermudah masyarakat didalam mendapatkan sarana air bersih yang baik.

Kata kunci : Penyaringan pasir lambat, metode absorpsi

ABSTRACT

Riny Angriani Antula, 811409075. “The Description of Simple Water Filter Technique through Gentle Sand Filter Method and Absorption Method in West Pentadio Village, Telaga Biru Sub-District, Gorontalo District”. Department of Public Health, Faculty of Sports and Health sciences, Universitas Negeri Gorontalo. The principal supervisor was Dr. Hj. Rama P. Hiola, M.Kes and the co-supervisor was RamlyAbudi, S.Psi, M.Kes.

Number of well in West Pentadio village were 20 well. The problem in this location, the water in the wells did not fulfill physical water condition in terms of color, taste and smell.

The aim of study was to describe simple water filter technique through gentle sand filter method with absorption method which seen from color, taste and smell and TDS.

This was a descriptive research with observational method, where could be found the description of simple water filter technique through gentle sand filter method with absorption method in West Pentadio village, Telaga Biru Sub-district, Gorontalo District. Number of sample was 20 wells which were taken by total sampling technique. The samples were all population, technique of collecting data were primary data from observation and secondary data.

Based on the result of simple water filter through gentle sand filter method and absorption method, the best result showed on filtration used absorption method. This successfully worked compared to other method used in this research. These all could be seen in all wells used as the samples.

Society had participated in filtering water. It was suggested to keep the filter tool in good condition, thus they would have proper and clean water for their need.

Keywords: Gentle sand filter and absorption method