ABSTRAK

Lisrimanti Saputri Abas. 811411024. 2015. *Status Mutu Air Dengan Menggunakan Metode Storet Di Sungai Andagile Kecamatan Atinggola Kabupaten Gorontalo Utara.* Skripsi. Program Studi S1 Kesehatan Masyarakat, Jurusan Kesehatan Masyarakat, Fakultas Ilmu-Ilmu Kesehatan dan Keolaharagaan, Universitas Negeri Gorontalo. Pembimbing I, Dr. Hj. Rama Hiola, Dra., M.Kes. dan Pembimbing II, Lia Amalia S.KM, M.Kes.

Salah satu sumber air yang banyak dimanfaatkan untuk memenuhi kebutuhan hidup manusia dan makhluk hidup lainnya yaitu sungai, dan Suatu sungai dikatakan terjadi penurunan kualitas air, jika air tersebut tidak dapat digunakan sesuai dengan status mutu air secara normal, jika air sudah tercemar maka dapat mengganggu kesehatan terutama pada masyarakat yang berada di bantaran sungai. Berdasarkan masalah tersebut, maka peneliti merumuskan masalah yaitu bagaimana status mutu air sungai Andagile di Kecamatan Atinggola Kabupaten Gorontalo Utara. Penelitian ini bertujuan untuk mengetahui kualitas air sungai dan status mutu air sungai Andagile.

Penelitian ini adalah penelitian dengan metode deskriptif untuk memperoleh gambaran status mutu air sungai andagile yang digunakan penduduk di Kecamatan Atinggola. Sampel dalam penelitian ini diambil untuk mengetahui kualitas air kemudian setelah kualitas air diketahui akan dibandingkan dengan standar baku mutu air dari PP RI No 82 tahun 2001 untuk mengetahui status mutu air dengan menggunakan metode storet.

Hasil penelitian menunjukan bahwa status mutu air sungai Andagile cemar buruk (kelas D) dengan kisaran nilai skor -50. Bagian hulu satu parameter melebihi baku mutu yaitu BOD (5 mg/l), bagian tengah empat parameter melebihi baku mutu yaitu BOD (5 mg/l), COD (33 mg/l), *Coliform* (16000 ml) , Coli tinja (16000 ml), bagian hilir 4 parameter melebihi baku mutu BOD (17 mg/l), DO (3 mg/l) *coliform* dan coli tinja (16000 ml). oleh karena itu, disarankan pada masyarakat untuk menyediakan sarana pembuangan tinja dan tidak membuang sampah ke sungai dan kepada pemerintah setempat agar memfasilitasi tempat pembuangan air besar dan tempat sampah umum.

Kata Kunci : **Status mutu air, metode *Storet*, sungai andagile.**

ABSTRACT

Lisrimanti Saputri Abas. Student ID. 811411024. 2015. Water Quality Status with Storet Method in Andagile River at Atinggola Sub-district, District of Gorontalo Utara. Skripsi. Study Program of Bachelor of Public Health, Public Health Department, Faculty of Health Sciences and Sports, State University of Gorontalo. The principal supervisor was Dr. Hj. Rama Hiola, Dra. M.Kes and Co-supervisor was Lia Amalia, S.KM., M.Kes.

River is one of the water sources used by many people and other creatures to fulfill their life needs. The water quality of a river is said to have lower quality if the water could not be used according to the normal status of the water quality, if the water is polluted, then it can cause health problems especially for the community that live near the water banks. Based on that problem, the research question formulated was how was the quality status of the Andagile river in Atinggola of Gorontalo Utara District. This research was aimed at investigating the river water quality and the quality status of the Andagile river water.

This research was a descriptive research to find out the description of the water quality status of Andagile river used by the people in Atinggola Sub-district. The sample of this research was taken to find out the status of river water quality to be compared with the standard of water quality stipulated in PP RI No 82 of 2001 by using the Storet Method.

This research showed that the water quality status of Andagile river was heavily polluted (D class) with the range of score -50. In the upstream, one of the parameter was above the tolerated standard that was the BOD (5 mg/l); in the midstream four parameters were above the tolerated standard, namely, BOD (5 mg/l), COD (33 mg/l), Coliform (16000 ml), feces coli (16000 ml); and in the downstream 4 parameters were above the tolerated standard, BOD (17mg/l), DO (3 mg/l), coliform and coli feces (16000 ml). Therefore, it is recommended to the community to provide the toilets and not to throw waste into the river and to the local government to facilitate the establishment of public toilets and public garbage bins.

Keywords: **Water Quality Status, Storet Method, Andagile River**