

ANALISIS KUALITAS AIR PADA SUMUR BOR DI UNIT PANCASARI PERUMDA AIR MINUM TIRTA HITTA BULELENG

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ABSTRAK

Observasi ini bermaksud guna menganalisis kualitas air yang berasal dari sumur bor pada Desa Pancasari berasaskan permenkes No. 2 Tahun 2023 untuk keperluan higiene serta sanitasi. Sedangkan proses-proses pada observasi ini mencakup peroses persiapan alat dan bahan, proses pengambilan serta penyimpanan sampel, proses analisis sampel yang terdiri dari pengukuran parameter secara insitu dan eksitu, tahap analisis data, dan tahap pelaporan. Sampel air yang dipakai yaitu air sumur bor yang berlokasi pada Desa Pancasari, Kecamatan Sukasada, Kabupaten Buleleng. Sampel diambil pada hari Senin, 11 Desember 2023 pukul 09.50 WITA. Berdasarkan hasil analisis yang sudah dilaksanakan, bisa dipahami perihal kualitas air pada sumur bor di Desa Pancasari, Kecamatan Sukasada, Kabupaten Buleleng dilihat dari parameter pH, suhu, kekeruhan, TDS, nitrat, nitrit, dan besi, memenuhi persyaratan, namun parameter mangan tidak mencukupi kriteria kualitas air bagi kebutuhan higiene dan sanitasi menurut Permenkes No. 2 Tahun 2023.

Kata-kata kunci: air sumur bor; higiene serta sanitasi; Peraturan Menteri Kesehatan Nomor 2 Tahun 2023; mangan.

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ABSTRACT

This observation aims to analyze the quality of water coming from drilled wells in Pancasari Village based on Minister of Health Regulation No. 2 of 2023 for hygiene and sanitation purposes. Meanwhile, the processes in this observation include the process of preparing tools and materials, the process of taking and storing samples, the sample analysis process which consists of measuring parameters in situ and ex situ, the data analysis stage, and the reporting stage. The water sample used was drilled well water located in Pancasari Village, Sukasada District, Buleleng Regency. Samples were taken on Monday, December 11 2023 at 09.50 WITA. Based on the results of the analysis that has been carried out, it can be understood that the quality of water in drilled wells in Pancasari Village, Sukasada District, Buleleng Regency, seen from the parameters pH, temperature, turbidity, TDS, nitrate, nitrite and iron, meets the requirements, but the manganese parameter is insufficient Water quality criteria for hygiene and sanitation needs according to Minister of Health Regulation No. 2 of 2023.

Key words: drilled well water; hygiene and sanitation; Minister of Health Regulation Number 2 of 2023; manganese