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Hubungan Kondisi Bangunan dengan Kualitas Bakteriologis Air Bersih Sumur Bor di Desa Waringin Jaya Kecamatan Bandar Sribhawono Kabupaten Lampung Timur Tahun 2024

XVIII + 71 Halaman, 11 Tabel, 5 Gambar, dan 11 Lampiran

ABSTRAK

Air bersih yang tercemar dapat memicu berkembangnya bakteri serta menyebabkan penularan penyakit yang akan menurunkan derajat kesehatan masyarakat. Penelitian ini bertujuan untuk mengetahui bagaimana hubungan kondisi bangunan dengan kualitas bakteriologis air bersih sumur bor di Desa Waringin Jaya. Jenis penelitian ini yang digunakan adalah observasional analitik dengan rancangan cross sectional. Penelitian ini dlilakukan pada bulan April 2024. Variabel independen yaitu jarak sumber pencemar dari sumur, lantai sumur, casing sumur, dan pagar sekeliling sumur. sedangkan variabel dependen yaitu kualitas angka kuman pada peralatan makan.

Hasil Penelitian ini menunjukkan bahwa variabel jarak sumber pencemar dari sumur dengan kualitas bakteriologis air bersih (p value = 0,018; OR= 13,571), lantai sumur dengan kualitas bakteriologis air bersih (p value = 0,076; OR = 8,000), casing sumur dengan kualitas bakteriologis air bersih (p value = 0,064; OR = 9,444), pagar sekeliling sumur dengan kualitas bakteriologis air bersih (p value = 0,003; OR = 27,500)

Kesimpulan ada hubungan antara jarak sumber pencemar dari sumur dan pagar sekeliling sumur dengan kualitas bakteriologis air bersih sumur bor di di Desa Waringin Jaya Kabupaten Lampung Timur Tahun 2024. Saran diharapkan untuk melakukan penyuluhan secara berkala tentang sanitasi lingkungan dan sarana air bersih khususnya air sumur bor, dan melakukan pemeriksaan kualitas air sumur secara berkala, serta melakukan pemantauan dan pengawasan terhadap kualitas air sumur yang dipergunakan masyarakat.

Kata kunci : Bakteriologis Air Bersih, Fisik Sumur
Daftar Bacaan : 62 (1986-2023)

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The Relationship of Building Conditions with the Bacteriological Quality of Clean Drill Water in Waringin Jaya Village, Bandar Sribhawono District, East Lampung District Year 2024

XVIII + 71 Pages, 11 Tables, 5 Figures, and 11 Appendices

ABSTRACT

Polluted clean water can trigger the development of bacteria and cause disease transmission that will reduce the degree of public health. This study aims to determine how the relationship between building conditions and bacteriological quality of clean water boreholes in Waringin Jaya Village. This type of research used is observational analytic with a cross sectional design. The study will be conducted in April 2024. Independent variables are the distance of the pollutant source from the well, the well floor, the casing of the well, and the fence around the well. While the dependent variable is the quality of the germ number on tableware.

The results of this study showed that the variable distance of pollutant sources from wells with bacteriological quality of clean water (p value = 0.018; OR= 13.571), well floor with bacteriological quality of clean water (p value = 0.076; OR = 8,000), well casing with bacteriological quality of clean water (p value = 0.064; OR = 9.444), fence around the well with bacteriological quality of clean water (p value = 0.003; OR = 27,500)

The conclusion is that there is a relationship between the distance of the pollutant source from the well and the fence around the well with the bacteriological quality of clean water of the borehole in Waringin Jaya Village, East Lampung Regency in 2024. Suggestions are expected to conduct periodic counseling on environmental sanitation and clean water facilities, especially borehole water, and conduct periodic well water quality checks, as well as monitor and supervise the quality of well water used by the community.

Keywords : Bacteriological Clean Water, Physical Well
Reading List : 62 (1986-2023)