

ABSTRAK

Berliana Putri Fatmawati

KONDISI SANITASI KOLAM RENANG VETERAN LUMAJANG TAHUN 2025 (Studi Kasus di Kolam Renang Veteran Lumajang)

xiii + 12 Halaman + 10 Tabel + 9 Lampiran

Sanitasi kolam renang sebagai fasilitas umum yang sangat penting dalam mencegah penularan penyakit berbasis lingkungan. Berdasarkan survei pendahuluan menunjukkan bahwa kondisi air berwarna hijau, serta keluhan pengunjung berupa bau kaporit yang menyengat mata perih dan gangguan pernafasan. Penelitian ini bertujuan untuk menganalisis kondisi sanitasi di Kolam Renang Veteran Lumajang, dengan aspek fisik fasilitas dan kualitas air, serta keterkaitannya dengan keluhan kesehatan pengunjung.

Metode penelitian yang digunakan adalah deskriptif kualitatif. Data yang diperoleh menggunakan hasil lembar observasi dan analisis laboratorium dengan parameter yang diuji meliputi bau, kekeruhan, pH, suhu, sisa chlor bebas, sisa chlor terikat, alkalinitas, serta keberadaan *Pseudomonas aeruginosa* dan HPC (Heterotrophic Plate Count).

Hasil penelitian pada kondisi sanitasi Kolam Renang Veteran Lumajang mendapatkan skor penilaian 70,97%, Hasil pemeriksaan bakteri *Pseudomonas aeruginosa* dan HPC (Heterotrophic Plate Count) sudah memenuhi persyaratan, namun kualitas air berdasarkan fisik dan kimia belum memenuhi standar kesehatan. Kesimpulan dalam penelitian kondisi sanitasi kolam renang Veteran Lumajang termasuk kedalam kategori “Baik”. Disarankan dalam penelitian ini adalah untuk melakukan beberapa perbaikan dalam fasilitas sanitasi, kontruksi bangunan, dan pengelolaan kualitas air, khususnya pada aspek fisik dan kimia.

Kata kunci : sanitasi kolam renang, kualitas air, fasilitas umum, Kolam Renang Veteran Lumajang.

ABSTRACT

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SANITATION CONDITION OF VETERAN LUMAJANG SWIMMING POOL IN 2025(Case Study at Veteran Lumajang Swimming Pool)

xiii + 12 Pages + 10 Tables + 9 Appendices

Swimming pool sanitation as a public facility is very important in preventing the transmission of environment-based diseases. Based on a preliminary survey, it was found that the water was green in color, and visitors complained of a strong chlorine smell causing eye irritation and respiratory problems. This study was conducted to analyze the sanitation conditions at Veteran Swimming Pool Lumajang, focusing on the physical aspects of the facility and water quality, as well as their correlation with visitors' health complaints.

*The research used a qualitative descriptive. The data were obtained from observation sheets and laboratory analysis with tested parameters including odor, turbidity, pH, temperature, free chlorine residual, combined chlorine residual, alkalinity, and the presence of *Pseudomonas aeruginosa* and HPC (Heterotrophic Plate Count).*

*The results showed that the sanitation condition at Veteran Swimming Pool Lumajang scored 70.97%. The bacterial examination for *Pseudomonas aeruginosa* and HPC met the required standards; however, the water quality based on physical and chemical parameters did not meet health standards.*

This study concluded that the sanitation condition at Veteran Swimming Pool in Lumajang is categorized as "Good.". It is recommended to make several improvements in sanitation facilities, building construction, and water quality management, especially concerning physical and chemical aspects.

Keywords : swimming pool sanitation, water quality, public facilities, Veteran Swimming Pool Lumajang