ABSTRACT

Occupational Safety and Health Implementation and Water Quality Assessment at Goa Kreo Tourism Destination

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Background : Tourism plays a strategic role in regional economic growth and requires attention to safety, health, security, comfort, and environmental quality. Occupational Safety and Health (OSH) implementation and environmental monitoring are essential for sustainable tourism management.

Objective : This study aimed to identify OSH implementation and assess water quality at Goa Kreo Tourism Destination, Semarang City.

Research Methods/ Implementation Methods : Conducted in October 2026, the study employed observation, interviews, and water quality testing. Data were collected from seven informants representing management personnel, workers, and tourists, along with four water samples obtained from different sources within the tourism area. Descriptive analysis was used to evaluate OSH implementation, while water quality assessment involved measuring pH and Total Dissolved Solids (TDS).

Results : The findings indicated that OSH practices had been implemented to support the operational safety of employees and tourists. These practices included trained tour guides, risk control measures, safety procedures, and the use of personal protective equipment (PPE). Water quality testing revealed an average pH of 7.6 and a TDS concentration of 137 ppm, indicating near-neutral water conditions and a relatively low concentration of dissolved substances.

Conclusion/Lesson Learned :These findings highlight the importance of integrating OSH practices and environmental quality monitoring into tourism management. Strengthening an OSH culture and maintaining appropriate water quality conditions can improve tourist comfort and confidence while supporting the sustainable management of a healthy and safe tourism destination.

Keyword : Tourism, Occupational Safety and Health, Goa Kreo, Water Quality