Geotourism Case Study: Hot Spring Water at Pancuran-7 and 3

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Abstract	The geothermal manifestations of Pancuran-3 and Pancuran-7 hot springs in Baturaden, Banyumas, Central Java, has significant potential to be developed as geotourism sites foccusing on geological education. This study aims to explore how these geothermal features can be utilized to enhance geological understanding among visitors through effective interpretative approaches. The research methods include field observations, and a review of relevant literature on geothermal processes and geological interpretation techniques. The findings reveal that Pancuran-3 and Pancuran-7 hot springs are not only aesthetically appealing but also offer a unique opportunity to study geothermal phenomena, such as the formation of hot springs, water chemistry, and the interaction between volcanic activity and hydrogeology. Interpretative approaches involving informative signage, and guided tours by geologists can enhance the educational experience for visitors. Furthermore, the potential for developing field-based educational programs at this site is highly relevant, given Baturaden's proximity to several prominent universities with geology programs, such as Jenderal Soedirman, Gadjah Mada, and Diponegoro Universities. Therefore, integrating geological information into geotourism in Baturaden not only contributes to the preservation of geoheritage but also supports the advancement of scientific knowledge serving for sustainable tourism development.
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