

# **ANALISIS MUTU PRODUK GARAM TUNNEL DESA TLOGOPRAGOTO**

## **KECAMATAN MIRIT KABUPATEN KEBUMEN**

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### **ABSTRAK**

Negara Indonesia adalah negara dengan potensi laut yang melimpah, salah satunya garam. Desa Tlogopragoto merupakan salah satu daerah yang memproduksi garam dengan metode tunnel. Tujuan dari penelitian ini adalah mengetahui kualitas produk garam tunnel Desa Tlogopragoto Kecamatan Mirit Kabupaten Kebumen melalui pengujian organoleptik, kadar air, dan kadar NaCl, dan mengetahui kadar logam berat produk garam tunnel Desa Tlogopragoto Kecamatan Mirit Kabupaten Kebumen meliputi Timbal (Pb), Arsen (As), Raksa (Hg), dan Kadmium (Cd). Metode penelitian yang digunakan adalah penelitian eksperimental meliputi pengujian organoleptik, kadar air, kadar NaCl, dan kadar logam berat menggunakan metode ICP-MS. Hasil analisis mutu garam melalui pengujian organoleptik, kadar air, dan NaCl didapat hasil sampel garam berwarna putih, berasa asin, tekstur kristal, tidak berbau, kadar air yaitu 3,81%, dan kadar NaCl yaitu 89,32%. Hasil analisis kadar logam berat Pb, As, Hg, dan Cd menggunakan ICP-MS menunjukkan pada ketiga replikasi tidak ditemukan kandungan logam Pb, As, Hg, dan Cd pada sampel garam produk tunnel Desa Tlogopragoto Kecamatan Mirit.

Kata Kunci : Garam, Pengujian Mutu, Kadar Logam Berat

**QUALITY ANALYSIS OF TUNNEL SALT PRODUCTS IN  
TLOGOPRAGOTO VILLAGE, MIRIT DISTRICT, KEBUMEN**

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***ABSTRACT***

*Indonesia is a country with abundant marine potential, one of which is salt. Tlogopragoto Village is one of the areas that produces salt using the tunnel method. The purpose of this study was to determine the quality of tunnel salt products in Tlogopragoto Village, Mirit District, Kebumen Regency through organoleptic testing, water content, and NaCl levels, and to determine the heavy metal content of tunnel salt products in Tlogopragoto Village, Mirit District, Kebumen Regency including Lead (Pb), Arsenic (As), Mercury (Hg), and Cadmium (Cd). The research method used was experimental research including organoleptic testing, water content, NaCl content, and heavy metal content using the ICP-MS method. The results of the analysis of salt quality through organoleptic testing, water content, and NaCl obtained that the salt sample was white, salty in taste, crystalline texture, odorless, the water content was 3.81%, and the NaCl content was 89.32%. The results of the analysis of heavy metal levels of Pb, As, Hg, and Cd using ICP-MS showed that in the three replications there were no traces of Pb, As, Hg, and Cd in the tunnel salt sample from Tlogopragoto Village, Mirit District.*

*Keywords: Salt, Quality Test, Heavy Metal Content*