

**PENETAPAN KADAR TIMBAL (Pb) DALAM IKAN BANDENG
DENGAN METODE SPEKTROFOTOMETRI
SERAPAN ATOM**

**(DETERMINATION OF LEAD LEVEL IN MILKFISH BY ATOMIC
ABSORPTION SPECTROFOTOMETRY METHOD)**

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Intisari

Kadar logam berat yang tinggi dan melebihi batas normal pada tubuh ikan dapat sebagai indikator terjadinya suatu pencemaran dalam lingkungan. Keberadaan logam-logam berat di lingkungan seperti timbal merupakan masalah lingkungan yang perlu mendapatkan perhatian, tindakan dan pencegahan khusus. Tingginya tingkat konsumsi masyarakat pada ikan bandeng dan bahaya logam timbal terhadap kesehatan, maka perlu adanya pemeriksaan untuk mengetahui kadar logam berat pada ikan bandeng yang dijual di pasar tradisional.

Sampel ikan bandeng diambil secara acak di 3 pasar tradisional daerah Surakarta yang diberi kode sampel Pasar A, Pasar B dan Pasar C. Penentuan kadar Pb dilakukan dengan metode Spektrofotometri serapan atom (SSA).

Hasil penelitian adanya logam timbal dan kadar timbal pada ikan bandeng di pasar tradisional daerah Surakarta positif mengandung logam timbal dengan kadar timbal di Pasar A 0,2047 mg/kg, Pasar B 1,3252 mg/kg, dan Pasar C 0,5899 mg/kg. Menurut Badan Pengawasan Obat dan Makanan Republik Indonesia (BPOM RI) ambang batas kandungan Pb yaitu 0,3 mg/kg.

Kata kunci: Ikan bandeng, Timbal, Spektrofotometri Serapan Atom (SSA)

Abstract

High levels of heavy metals and exceed the normal limits on the fish body can be an indicator of the occurrence of pollution in the environment. The presence of heavy metals in an environment such as lead is an environment problem that needs special attention, action and prevention. The high level of community consumption in milkfish and the danger of lead metal to health, it is necessary to check the level of heavy metals in milkfish sold in traditional market.

Samples of milkfish were taken randomly in 3 traditional markets of Surakarta region which were coded sample of market A, market B, and market C. Pb concentration was determined by atomic absorption spectrophotometry method (AAS).

The results of the study of lead and lead metals in milkfish in traditional markets Surakarta region, positive containing lead metal with lead level in market A 0,2047 mg/kg, market B 1,3252 mg/kg, and market C 0,5899 mg/kg. According to Badan Pengawasan Obat dan Makanan Republik Indonesia (BPOM RI) threshold Pb content of 0,3 mg/kg.

Keywords: Milkfish, Lead, atomic absorption spectrophotometry method (AAS).
