

**PENGARUH LAMA WAKTU PENGASAPAN TERHADAP
KARAKTERISTIK FISIK, KIMIA SERTA KANDUNGAN
BENZO (a)PYRENE PADA IKAN LELE (*Clarias batrachus*)
ASAP**

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Pengaruh Lama Pengasapan terhadap Karakteristik Fisik, Kimia serta Kandungan Senyawa Benzo (a)pyrene Ikan Lele (*Clarias batrachus*) Asap

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ABSTRAK

Penelitian ini bertujuan untuk mengetahui pengaruh lama waktu pengasapan terhadap karakteristik fisik, kimia serta kandungan benzo (a)pyrene ikan lele (*Clarias batrachus*) asap. Penelitian ini menggunakan Rancangan Acak Lengkap (RAL) dengan 5 perlakuan dan 3 ulangan. Analisis data dilakukan dengan *Analysis of Variance* (ANOVA) dan dilanjutkan dengan *Duncan's New Multiple Range Test* (DNMRT) pada taraf 5%. Perlakuan pada penelitian ini adalah lama waktu pengasapan 4 jam (perlakuan A); 5 jam (perlakuan B); 6 jam (perlakuan C); 7 jam (perlakuan D) dan 8 jam (perlakuan E). Hasil penelitian menunjukkan bahwa lama waktu pengasapan berpengaruh nyata terhadap kadar air, kadar abu, total polifenol, tetapi tidak berpengaruh nyata terhadap kadar lemak, protein dan pH ikan lele asap. Pada perlakuan E dilakukan analisis benzo (a)pyrene dan didapatkan hasil yang negatif pada sampel dalam penelitian ini.

Kata Kunci : Benzo (a)pyrene, Ikan Lele Asap, Karsinogen, Karakteristik, Lama

Pengasapan

The Effect of Smoking Time on The physical, Chemical Characteristics and the Content of Benzo a(pyrene) Smoked Catfish (Clarias batrachus)

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ABSTRACT

The objective of the present study was to determine the effect of smoking time on physical, chemical characterization and benzo (a)pyrene content. Completely Randomized Design (CRD) used to conduct statistical analysis. This study was designed using Completely Randomized Design (CRD) with 5 treatments (difference of smoking time : A (4 hours); B (5 hours); C (6 hours); D (7 hours); and E (8 hours) with 3 replications. Data analysis was performed with Analysis of Variance (ANOVA) and continued with Duncan's New Multiple Range Test (DNMRT) at the level of 5%. Benzo (a)pyrene content was tested on the longest smoking time treatment. The results showed that smoking time significantly affected on water content, ash content and polyphenol content, but no significant effect on fat content, protein and pH of smoked catfish. Benzo (a)pyrene test indicated negative content on the smoke catfish.

Key words : benzo (a)pyrene, carcinogenic, characteristics, catfish, smoking time.