KAJIAN KUALITAS AIR LAUT DAN INDEKS PENCEMARAN BERDASARKAN PARAMETER FISIKA KIMIA DI PERAIRAN PULAU PELAPIS

SKRIPSI

INDRIYANI
NIM. 2003031007

PROGRAM STUDI ILMU KELAUTAN
FAKULTAS IPA DAN KELAUTAN
UNIVERSITAS OSO
PONTIANAK
2023

Kode warna : 4f81bd

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Tanggungjawab Yuridis Material pada:

INDRIYANI
NIM. 2003031007

Disetujui oleh

Dosen Pembimbing Utama   **Dosen Pembimbing Pendamping**

Nama Dosen   **Nama Dosen**
NIDN. 0000   **NIDN. 0000**

Disahkan oleh:

Dekan Fakultas ………………………………..

Universitas OSO

(Tanda tangan Dekan dan Cap Fakultas)

Nama Dekan
NIP/NIDN ….

Tanggal Lulus: ....

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Tugas akhir dengan judul : Kajian Kualitas Air Laut dan Indeks Pencemaran Berdasarkan Parameter Fisika Kimia di Perairan Pulau Pelapis ini diajukan oleh:

Nama	:	Indriyani
Program Studi	:	Ilmu Kelautan
Tanggal Ujian	:	

Dinyatakan telah memenuhi persyaratan dan lulus oleh Tim Penguji dalam Ujian Tugas Akhir untuk memperoleh gelar Sarjana.

TIM PENGUJI

Nama	Tim Penguji	Tgl/bln/thn	TandaTangan
Dr. Sofi Siti Shofiyah	Ketua		
Zan Zibar, S.Pi., M.Si.	Sekretaris		
	Anggota		
	Anggota		

Pontianak, …………………

Mengetahui
Ketua Program Studi Ilmu Kelautan

Adityo Raynaldo, S.Si., M.Si.
NIDN. 1107069501

PERNYATAAN BEBAS DARI PLAGIAT

Nama   : Indriyani
NIM   : 2003031007
Program Studi : Ilmu Kelautan

Menyatakan dengan sesungguhnya bahwa Tugas Akhir dengan judul **Kajian Kualitas Air Laut dan Indeks Pencemaran Berdasarkan Parameter Fisika Kimia di Perairan Pulau Pelapis**, secara keseluruhan adalah murni karya penulis sendiri dan bukan plagiat dari karya orang lain, kecuali bagian-bagian yang dirujuk sebagai sumber pustaka sesuai dengan panduan penulisan yang berlaku (lembar hasil pemeriksaan plagiat terlampir).

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PRAKATA

Puji syukur …

Ucapan terima kasih kepada….

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Peneliti

Kajian Kualitas Air Laut dan Indeks Pencemaran Berdasarkan Parameter Fisika Kimia di Perairan Pulau Pelapis

Abstrak

Merkuri klorida adalah salah satu logam berat yang berbahaya untuk lingkungan dana dapatterakumulasi dalam tubuh organisme akuatik seperti ikan Selusur *P. borneensis*. Tujuan penelitian ini untuk menganalisis nilai hematocrit dan hemoglobin serta kerusakan insang ikan sapu sapu yang terpapar merkuri klorida. Penelitian ini menggunakan 54 ikan sapu sapu jantan dengan enam perlakuan menggunakan Rancangan Acak Lengkap. Dosismerkuri klorida yang digunakan adalah kontrol (0 ppm); P1 (0.01 ppm); P2 (0.02 ppm); P3(0.04 ppm); P4 (0.08 ppm); P5 (0.16 ppm). Nilai hematologi menunjukan ada perbedaan nyata antara kontrol dan perlakuan hanya pada konsentrasi 0.16 ppm. Merkuri klorida dapat menyebabkan kerusakan hematologis ikan of *P. borneensis*.

Kata kunci: Hematokrit, Hemoglobin, Merkuri klorida, *Protomyzon borneensis (alfabetis)* (3-5 kata)

Study of Seawater Quality and Pollution Index Based on Physical and Chemical Parameters in Pelapis Island

Abstract

Mercury chloride is one of the heavy metals that are harmful to the environment and can accumulate in aquatic organisms, such as Hillstream, *Protomyzon borneensis*. The purposeof this study was to analyze the damage of the hematocrit values and hemoglobin of *P. borneensis* exposed to mercury chloride. This study used a Randomized Block Design method with 54 male fish and six treatment groups, namely Control (0 ppm); P1 (0.01 ppm); P2 (0.02 ppm); P3 (0.04 ppm); P4 (0.08 ppm); P5 (0.16 ppm). Hematological tests showed a significant difference between treatment and control, while the different hemoglobin values with controls only at a concentration of 0.16 ppm. Mercury chloride causes damage to hematological disorders in of *P. borneensis*.

Keywords: Haematocrit, Haemoglobin, Mercury chloride, *Protomyzon borneensis (sorted a to z, 3-5 words)*

DAFTAR ISI

DAFTAR TABEL

DAFTAR GAMBAR

DAFTAR LAMPIRAN

BAB I
PENDAHULUAN

1.1 Latar Belakang

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1.2 Rumusan Masalah

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1.3 Tujuan Penelitian

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1.4 Kontribusi Penelitian

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BAB II
TINJAUAN PUSTAKA

2.1 Landasan Teori

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2.2 Kajian Empiris

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2.3 Kerangka Konseptual

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2.4 Hipotesis Penelitian (Jika Ada)

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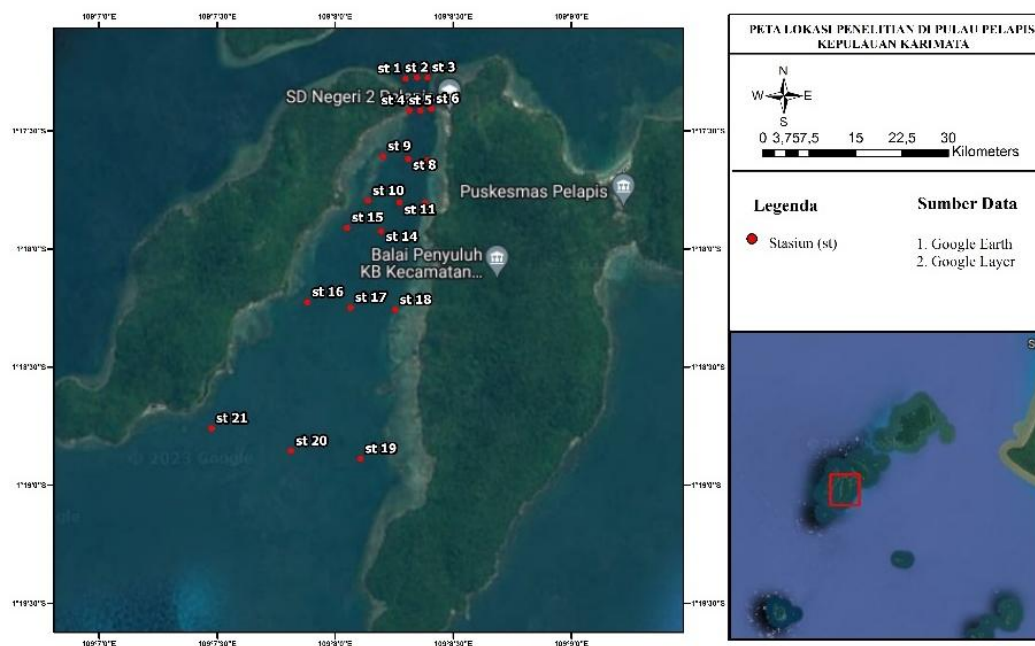
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BAB III
METODE PENELITIAN

3.1 Waktu dan Tempat

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Gambar 3.1. Peta Lokasi Penelitian

3.2 Alat dan Bahan

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3.3 Prosedur Penelitian

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Tabel 3.1
Parameter dan Metode Analisis Kualitas Air Laut

Parameter	Satuan	Tipe analisis	Spesifikasi Alat/Metode Analisis
Parameter fisika:			
Suhu	˚C	Insitu	Thermometer
Salinitas	o /oo	Insitu	Water quality cheeker
Kecerahan	Cm	Insitu	sechidisk
Parameter kimia:			
Ph	Derajat	Insitu	Water quality cheeker
Do	Mg/L	Lab	titrimetrik
Fosfat	Mg/L	Lab	ekstraksi
Nitrat	Mg/ L	Lab	ekstraksi
Amonia	Mg/L	Lab	ekstraksi

3.4 Analisis Data

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BAB IV
HASIL DAN PEMBAHASAN

4.1 Hasil Penelitian

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4.2 Pembahasan

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5.1 Kesimpulan

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5.2 Saran

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LAMPIRAN

Lampiran I. Analisis Model Cadangan Karbon

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Lampiran II. Analisis Indeks Cemaran

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Bagian Punggung Skripsi

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