

**LEMBAR  
HASIL PENILAIAN SEJAWAT SEBIDANG ATAU PEER REVIEW  
KARYA ILMIAH : JURNAL ILMIAH**

Judul Jurnal Ilmiah (Artikel) : Karakteristik Endapan Tsunami Berdasarkan Bukti Palinologi dan Sedimentologi di Bagian Timur Pulau Simeulue, Aceh, Indonesia

Jumlah Penulis : 7 orang (Winarni, **Anis Kurniasih\***, Septriono Hari Nugroho, Jenian Marin, Reddy Setyawan, Purna Sulastya Putra, Eko Yulianto)

Status Pengusul : penulis ke-2 (Penulis Korespondensi)

Identitas Jurnal Ilmiah :

- a. Nama Jurnal : Jurnal Kelautan Tropis
- b. Nomor ISSN : P-ISSN : 1410-8852, E-ISSN : 2528-3111
- c. Vol, No., Bln Thn : Vol 23, No 1 (2020)
- d. Penerbit : Department of Marine Science Faculty of Fisheries and Marine Sciences, Diponegoro University and INKALINDO
- e. DOI artikel (jika ada) : <https://doi.org/10.14710/jkt.v23i1.4954>
- f. Alamat web jurnal : <https://ejournal2.undip.ac.id/index.php/jkt/article/view/4954>
- g. Terindex : Sinta 2, DOAJ

Alamat Artikel : <https://ejournal2.undip.ac.id/index.php/jkt/article/view/4954/3714>

Kategori Publikasi Jurnal Ilmiah :  Jurnal Ilmiah Internasional  
(beri ✓ pada kategori yang tepat)  Jurnal Ilmiah Nasional Terakreditasi  
 Jurnal Ilmiah Nasional Tidak Terakreditasi

Hasil Penilaian *Peer Review* :

Komponen Yang Dinilai	Nilai Reviewer		Nilai Rata-rata
	Reviewer I	Reviewer II	
a. Kelengkapan unsur isi jurnal (10%)	2,3	2,4	2,35
b. Ruang lingkup dan kedalaman pembahasan (30%)	7,2	7	7,1
c. Kecukupan dan kemutakhiran data/informasi dan metodologi (30%)	7	7	7
d. Kelengkapan unsur dan kualitas terbitan/jurnal (30%)	7,25	7,3	7,28
<b>Total = (100%)</b>	<b>23,75</b>	<b>23,7</b>	<b>23,73</b>
<b>Nilai Pengusul = (40% x 23,73) = 9,49</b>			

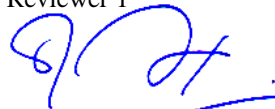
Semarang,

Reviewer 2



Rinal Khaidar Ali, ST, M.Eng.  
NIP. 198505042018031001  
Unit Kerja : Teknik Geologi FT UNDIP

Reviewer 1



Dr. Dian Agus Widiarso, ST, MT  
NIP. 197608122010121002  
Unit Kerja : Teknik Geologi FT UNDIP

**LEMBAR  
HASIL PENILAIAN SEJAWAT SEBIDANG ATAU PEER REVIEW  
KARYA ILMIAH : JURNAL ILMIAH**

Judul Jurnal Ilmiah (Artikel) : Karakteristik Endapan Tsunami Berdasarkan Bukti Palinologi dan Sedimentologi di Bagian Timur Pulau Simeulue, Aceh, Indonesia

Jumlah Penulis : 7 orang (Winarni, **Anis Kurniasih\***, Septriono Hari Nugroho, Jenian Marin, Reddy Setyawan, Purna Sulastya Putra, Eko Yulianto)

Status Pengusul : penulis ke-2 (Penulis Korespondensi)

Identitas Jurnal Ilmiah : a. Nama Jurnal : Jurnal Kelautan Tropis  
 b. Nomor ISSN : P-ISSN : 1410-8852, E-ISSN : 2528-3111  
 c. Vol, No., Bln Thn : Vol 23, No 1 (2020)  
 d. Penerbit : Department of Marine Science Faculty of Fisheries and Marine Sciences, Diponegoro University and INKALINDO  
 e. DOI artikel (jika ada) : <https://doi.org/10.14710/jkt.v23i1.4954>  
 f. Alamat web jurnal : <https://ejournal2.undip.ac.id/index.php/jkt/article/view/4954>  
 Alamat Artikel : <https://ejournal2.undip.ac.id/index.php/jkt/article/view/4954/3714>  
 g. Terindex : Sinta 2, DOAJ

Kategori Publikasi Jurnal Ilmiah :  Jurnal Ilmiah Internasional  
 (beri ✓ pada kategori yang tepat)  Jurnal Ilmiah Nasional Terakreditasi  
 Jurnal Ilmiah Nasional Tidak Terakreditasi

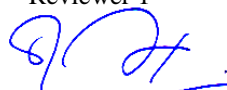
Hasil Penilaian *Peer Review* :

Komponen Yang Dinilai	Nilai Maksimal Jurnal Ilmiah			Nilai Akhir Yang Diperoleh
	Internasional <input type="checkbox"/>	Nasional Terakreditasi <input type="text" value="25"/>	Nasional Tidak Terakreditasi <input type="checkbox"/>	
a. Kelengkapan unsur isi jurnal (10%)		2,50		2,3
b. Ruang lingkup dan kedalaman pembahasan (30%)		7,50		7,2
c. Kecukupan dan kemutakhiran data/informasi dan metodologi (30%)		7,50		7
d. Kelengkapan unsur dan kualitas terbitan/jurnal (30%)		7,50		7,25
<b>Total = (100%)</b>		<b>25,00</b>		<b>23,75</b>
<b>Nilai Pengusul = (40% x 23,75) = 9,5</b>				

**Catatan Penilaian artikel oleh Reviewer :**

- Kesesuaian dan kelengkapan unsur isi jurnal:**  
Unsur kelengkapan jurnal sudah terpenuhi dan telah disusun sesuai dengan kaidah penulisan yang benar.
- Ruang lingkup dan kedalaman pembahasan:**  
Ruang lingkup dan permasalahan penelitian telah terjawab dalam interpretasi yang ditampilkan dalam pembahasan.
- Kecukupan dan kemutakhiran data/informasi dan metodologi:**  
Beberapa Pustaka yang digunakan kurang mutakhir (lebih dari 5 tahun terakhir) akan tetapi masih cukup aktual untuk digunakan sebagai referensi.
- Kelengkapan unsur dan kualitas terbitan:**  
Terbitan merupakan jurnal terakreditasi yang terbit secara berkala.

Semarang,  
Reviewer 1



Dr. Dian Agus Widiarso, ST, MT  
NIP. 197608122010121002

Unit Kerja : Teknik Geologi FT UNDIP

**LEMBAR  
HASIL PENILAIAN SEJAWAT SEBIDANG ATAU PEER REVIEW  
KARYA ILMIAH : JURNAL ILMIAH**

Judul Jurnal Ilmiah (Artikel) : Karakteristik Endapan Tsunami Berdasarkan Bukti Palinologi dan Sedimentologi di Bagian Timur Pulau Simeulue, Aceh, Indonesia

Jumlah Penulis : 7 orang (Winarni, **Anis Kurniasih\***, Septriono Hari Nugroho, Jenian Marin, Reddy Setyawan, Purna Sulastya Putra, Eko Yulianto)

Status Pengusul : penulis ke-2 (Penulis Korespondensi)

Identitas Jurnal Ilmiah :

a. Nama Jurnal : Jurnal Kelautan Tropis

b. Nomor ISSN : P-ISSN : 1410-8852, E-ISSN : 2528-3111

c. Vol, No., Bln Thn : Vol 23, No 1 (2020)

d. Penerbit : Department of Marine Science Faculty of Fisheries and Marine Sciences, Diponegoro University and INKALINDO

e. DOI artikel (jika ada) : <https://doi.org/10.14710/jkt.v23i1.4954>

f. Alamat web jurnal : <https://ejournal2.undip.ac.id/index.php/jkt/article/view/4954>

Alamat Artikel : <https://ejournal2.undip.ac.id/index.php/jkt/article/view/4954/3714>

g. Terindex : Sinta 2, DOAJ

Kategori Publikasi Jurnal Ilmiah :  Jurnal Ilmiah Internasional  
(beri ✓ pada kategori yang tepat)  Jurnal Ilmiah Nasional Terakreditasi  
 Jurnal Ilmiah Nasional Tidak Terakreditasi

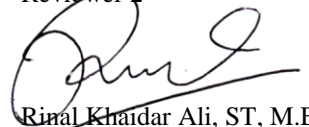
Hasil Penilaian *Peer Review* :

Komponen Yang Dinilai	Nilai Maksimal Jurnal Ilmiah			Nilai Akhir Yang Diperoleh
	Internasional <input type="checkbox"/>	Nasional Terakreditasi <input type="text" value="25"/>	Nasional Tidak Terakreditasi <input type="checkbox"/>	
a. Kelengkapan unsur isi jurnal (10%)		2,50		2,4
b. Ruang lingkup dan kedalaman pembahasan (30%)		7,50		7
c. Kecukupan dan kemutakhiran data/informasi dan metodologi (30%)		7,50		7
d. Kelengkapan unsur dan kualitas terbitan/jurnal (30%)		7,50		7,3
<b>Total = (100%)</b>		<b>25,00</b>		<b>23,7</b>
<b>Nilai Pengusul = (40% x 23,7) = 9,48</b>				

**Catatan Penilaian artikel oleh Reviewer :**

- Kesesuaian dan kelengkapan unsur isi jurnal:**  
Unsur isi jurnal lengkap dan telah sesuai dengan tata penulisan.
- Ruang lingkup dan kedalaman pembahasan:**  
Pembahasan sudah mencakup interpretasi yang mendalam dari data yang ada dan menjawab permasalahan penelitian.
- Kecukupan dan kemutakhiran data/informasi dan metodologi:**  
Pustaka yang digunakan cukup mutakhir.
- Kelengkapan unsur dan kualitas terbitan:**  
Terbitan merupakan jurnal nasional yang cukup banyak menghasilkan sitasi.

Semarang,  
Reviewer 2



Rinal Khadar Ali, ST, M.Eng.  
NIP. 198505042018031001  
Unit Kerja : Teknik Geologi FT UNDIP

# SERTIFIKAT

Direktorat Jenderal Penguatan Riset dan Pengembangan,  
Kementerian Riset, Teknologi, dan Pendidikan Tinggi



Kutipan dari Keputusan Direktur Jenderal Penguatan Riset dan Pengembangan,  
Kementerian Riset, Teknologi, dan Pendidikan Tinggi Republik Indonesia  
Nomor: 30/E/KPT/2018  
Tentang Hasil Akreditasi Jurnal Ilmiah Periode 2 Tahun 2018

Jurnal Kelautan Tropis

E-ISSN: 25283111

Penerbit: Fakultas Perikanan dan Ilmu Kelautan Universitas Diponegoro

Ditetapkan sebagai Jurnal Ilmiah

## TERAKREDITASI PERINGKAT 2

Akreditasi berlaku selama 5 (lima) tahun, yaitu  
Volume 20 Nomor 2 Tahun 2017 sampai Volume 25 Nomor 1 Tahun 2022

Jakarta, 24 Oktober 2018

Direktur Jenderal Penguatan Riset dan Pengembangan

Dr. Muhammad Dimiyati  
NIP. 195912171984021001



# JURNAL KELAUTAN TROPIS

*(Tropical Marine Journal)*



JKT

VOL. 23

No. 1

Hlm 1-144

Semarang, Maret 2020

[www.ejournal2.undip.ac.id/index.php/jkt](http://www.ejournal2.undip.ac.id/index.php/jkt)



Terakreditasi SINTA 2 berdasarkan SK Nomor 30/E/KPT/2018  
Berlaku sejak Vol 20 No 2 Tahun 2017 - Vol 25 No 1 Tahun  
2022

Departemen Ilmu Kelautan  
Fakultas Perikanan dan Ilmu Kelautan  
Universitas Diponegoro

# JURNAL KELAUTAN TROPIS

(Tropical Marine Journal)

p-ISSN : 1410-8852 e-ISSN : 2528-3111



[Home](https://ejournal2.undip.ac.id/index.php/jkt/index/) (<https://ejournal2.undip.ac.id/index.php/jkt/index/>) / [About the Journal](https://ejournal2.undip.ac.id/index.php/jkt/about/) (<https://ejournal2.undip.ac.id/index.php/jkt/about/>) / [Editorial Team](https://ejournal2.undip.ac.id/index.php/jkt/about/editorialTeam) (<https://ejournal2.undip.ac.id/index.php/jkt/about/editorialTeam>)

## Editorial Team

People > [Editorial Team](https://ejournal2.undip.ac.id/index.php/jkt/about/editorialTeam) (<https://ejournal2.undip.ac.id/index.php/jkt/about/editorialTeam>) | [Reviewer](https://ejournal2.undip.ac.id/index.php/jkt/about/displayMembership/121/0) (<https://ejournal2.undip.ac.id/index.php/jkt/about/displayMembership/121/0>)

(<https://drive.google.com/file/d/1VDW5w8XPzhrEfcJ5I5t2i9ONDByuVxJV/view?usp=sharing>)

([https://drive.google.com/open?id=1uMi\\_iHfgOBcNhoA\\_fR4GMfwu0ujF2ms3](https://drive.google.com/open?id=1uMi_iHfgOBcNhoA_fR4GMfwu0ujF2ms3))



([https://drive.google.com/file/d/1tyAbL5RGXiBx\\_lziOL\\_zvXzx078inHS/view?usp=sharing](https://drive.google.com/file/d/1tyAbL5RGXiBx_lziOL_zvXzx078inHS/view?usp=sharing))

### ABOUT THIS JOURNAL

[Editorial Team](#)  
([/index.php/jkt/about/editorialTeam](https://ejournal2.undip.ac.id/index.php/jkt/about/editorialTeam))

[Peer Reviewer List](#)  
([/index.php/jkt/about/displayMembership/121/](https://ejournal2.undip.ac.id/index.php/jkt/about/displayMembership/121/))

[Focus and Scope](#)  
([/index.php/jkt/about/editorialPolicies#focusAndScope](https://ejournal2.undip.ac.id/index.php/jkt/about/editorialPolicies#focusAndScope))

[Publication Ethics](#)  
([/index.php/jkt/about/editorialPolicies#custom0](https://ejournal2.undip.ac.id/index.php/jkt/about/editorialPolicies#custom0))

[Article Processing Charges \(APCs\)](#)  
([/index.php/jkt/about/editorialPolicies#custom1](https://ejournal2.undip.ac.id/index.php/jkt/about/editorialPolicies#custom1))

### FOR AUTHOR

[Author Guidelines](#)  
([/index.php/jkt/about/submissions#authorGuidelines](https://ejournal2.undip.ac.id/index.php/jkt/about/submissions#authorGuidelines))

[How to Submit](#)  
([/index.php/jkt/user/register](https://ejournal2.undip.ac.id/index.php/jkt/user/register))

### COLLABORATION WITH



(<http://inkalindo.or.id/>)

### INDEXING



([https://doaj.org/toc/2528-3111?source=%7B%22query%22%3A%7B%22filtered%22%3A%7B%22filter%22%3A%7B%22bool%22%3A%7B%22must%22%3A%5B%7B%22terms%22%3A%7B%22index.issn.exact%22%3A%5B%221410-8852%22%2C%222528-3111%22%5D%7D%7D%2C%7B%22term%22%3A%7B%22\\_type%22%3A%22article%22%7D%7D%5D%7D%7D%2C%22query%22%3A%7B%22match\\_all%22%3A%7B%7D%7D%7D%2C%22from%22%3A%0%2C%22](https://doaj.org/toc/2528-3111?source=%7B%22query%22%3A%7B%22filtered%22%3A%7B%22filter%22%3A%7B%22bool%22%3A%7B%22must%22%3A%5B%7B%22terms%22%3A%7B%22index.issn.exact%22%3A%5B%221410-8852%22%2C%222528-3111%22%5D%7D%7D%2C%7B%22term%22%3A%7B%22_type%22%3A%22article%22%7D%7D%5D%7D%7D%2C%22query%22%3A%7B%22match_all%22%3A%7B%7D%7D%7D%2C%22from%22%3A%0%2C%22))

[https://doaj.org/toc/2528-3111?source=%7B%22query%22%3A%7B%22filtered%22%3A%7B%22filter%22%3A%7B%22bool%22%3A%7B%22must%22%3A%5B%7B%22terms%22%3A%7B%22index.issn.exact%22%3A%5B%221410-8852%22%2C%222528-3111%22%5D%7D%7D%2C%7B%22term%22%3A%7B%22\\_type%22%3A%22article%22%7D%7D%5D%7D%7D%2C%22query%22%3A%7B%22match\\_all%22%3A%7B%7D%7D%7D%2C%22from%22%3A%0%2C%22](https://doaj.org/toc/2528-3111?source=%7B%22query%22%3A%7B%22filtered%22%3A%7B%22filter%22%3A%7B%22bool%22%3A%7B%22must%22%3A%5B%7B%22terms%22%3A%7B%22index.issn.exact%22%3A%5B%221410-8852%22%2C%222528-3111%22%5D%7D%7D%2C%7B%22term%22%3A%7B%22_type%22%3A%22article%22%7D%7D%5D%7D%7D%2C%22query%22%3A%7B%22match_all%22%3A%7B%7D%7D%7D%2C%22from%22%3A%0%2C%22)



(<http://scholar.google.co.id/citations?user=QoCq7tQAAAAJ&hl=en>)



(<http://road.issn.org/issn/2528-3111-jurnal-kelautan-tropis#.WzWWavkzblU>)



(<http://sinta2.ristekdikti.go.id/journals/detail?id=3666>)



(<https://www.crossref.org/>)

**Editor in Chief**  
Dr. Ir. Chrisna Adhi Suryono, M.Phil (ScopusID: [57195836868](http://www.scopus.com/authorid/detail.uri?authorid=57195836868)) (<https://orcid.org/0000-0001-5954-2021>). Department of Marine Sciences, Faculty of Fisheries and Marine Sciences, Universitas Diponegoro, Indonesia

## Editorial Board

**Prof. Rabia Alghazeer** (ScopusID: [23466181900](http://www.scopus.com/authorid/detail.uri?authorid=23466181900)) (<http://www.scopus.com/authorid/detail.uri?authorid=23466181900>), Department of Chemistry, Faculty of Sciences, University of Tripoli, Libya

**Prof Ocky Karna Radjasa** (ScopusID: [15824260100](http://www.scopus.com/authorid/detail.uri?authorid=15824260100)) (<https://orcid.org/0000-0003-2495-0791>). Earth Sciences, Indonesian Institute of Sciences, Indonesia

**Prof. Dr. Niette Vuca Huliselan, MSc** (ScopusID: [6506064721](http://www.scopus.com/authorid/detail.uri?authorid=6506064721)) (<http://www.scopus.com/authorid/detail.uri?authorid=6506064721>), Department of Aquatic Resources Management, Faculty of Fisheries and Marine Sciences, Pattimura University, Indonesia

**Dr. Ir. Neviaty Putri Zamani, M.Sc** (ScopusID: [55991633900](http://www.scopus.com/authorid/detail.uri?authorid=55991633900)) (<http://www.scopus.com/authorid/detail.uri?authorid=55991633900>), Department of Marine Sciences, Faculty of Fisheries and Marine Sciences, IPB University, Indonesia

**Prof. Dr. Ir. Agus Sabdono, M.Sc** (ScopusID: [16234515500](http://www.scopus.com/authorid/detail.uri?authorid=16234515500)) (<https://orcid.org/0000-0003-0185-8378>). Department of Marine Sciences, Faculty of Fisheries and Marine Sciences, Universitas Diponegoro, Indonesia

**Ir. Indah Rachmatiah Siti Salami, M.Sc., Ph.D** (ScopusID: [25628844800](http://www.scopus.com/authorid/detail.uri?authorid=25628844800)) (<http://www.scopus.com/authorid/detail.uri?authorid=25628844800>)

**id.** (<http://orcid.org/0000-0003-4108-1110>) **P.** (<https://publons.com/researcher/https://publons.com/researcher/3383583>) Environmental Management Technology, Faculty of Civil and Environmental Engineering, Institut Teknologi Bandung, Indonesia

**Dr. Ir. Sofyan Husien Siregar, M.Sc** (ScopusID: [57204570517](http://www.scopus.com/authorid/detail.uri?authorid=57204570517)) (<http://www.scopus.com/authorid/detail.uri?authorid=57204570517>), Department of Marine Science, Riau University, Indonesia

**Oktiyas Muzaky Luthfi, ST, M.Sc** (ScopusID: [57200040860](http://www.scopus.com/authorid/detail.uri?authorid=57200040860)) (<https://orcid.org/0000-0002-9550-9381>) **P.** (<https://publons.com/researcher/https://publons.com/researcher/3070444>) Department of Marine Science, Faculty of Fisheries and Marine Science, Universitas Brawijaya, Indonesia

**Teuku Zia Ulqodry, S.T., M.Si., PhD** (ScopusID: [55553975000](http://www.scopus.com/authorid/detail.uri?authorid=55553975000)) (<http://orcid.org/0000-0002-0038-0811>). Department of Marine Science, Sriwijaya University, Indonesia

**Dr. Poerna Sri Oetari, S.Si, M.Si.Ling** (ScopusID: [57209579617](http://www.scopus.com/authorid/detail.uri?authorid=57209579617)) (<https://orcid.org/0000-0001-8515-8920>). Organisasi Profesi Pengkaji Lingkungan, Indonesia

**Dr. Iis Sugeng Widada, M.Si** (ScopusID: [57193738584](http://www.scopus.com/authorid/detail.uri?authorid=57193738584)) (<http://www.scopus.com/authorid/detail.uri?authorid=57193738584>), Department of Oceanography, Faculty of Fisheries and Marine Sciences, Universitas Diponegoro, Indonesia

## Associate Editor

**Dr. Ir. Retno Hartati, M.Sc** (ScopusID: [57193736954](http://www.scopus.com/authorid/detail.uri?authorid=57193736954)) (<http://www.scopus.com/authorid/detail.uri?authorid=57193736954>), Department of Marine Sciences, Faculty of Fisheries and Marine Sciences, Universitas Diponegoro, Indonesia

**Dr. Ir. Baskoro Rochaddi, M.T.** (ScopusID: [26667081100](http://www.scopus.com/authorid/detail.uri?authorid=26667081100)) (<http://www.scopus.com/authorid/detail.uri?authorid=26667081100>), Department of Oceanography, Faculty of Fisheries and Marine Sciences, Universitas Diponegoro, Indonesia

## Editorial Office

**Robertus Triaji Mahendrajaya, S.KeL., M.Si** (ScopusID: [57201186750](http://www.scopus.com/authorid/detail.uri?authorid=57201186750)) (<http://www.scopus.com/authorid/detail.uri?authorid=57201186750>), Department of Marine Sciences, Faculty of Fisheries and Marine Sciences, Universitas Diponegoro, Indonesia

# JURNAL KELAUTAN TROPIS

(Tropical Marine Journal)

p-ISSN : 1410-8852 e-ISSN : 2528-3111

## General information (#issueInfo)

Published: 13-02-2020  
Total Articles: 13  
(including Editorial)  
Total Authors: 52

## Total authors' affiliations (10) (#issueAffiliations)

## Issues list

### > Vol 25, No 3 (2022):

#### Accepted

(<https://ejournal2.undip.ac.id/index.php/jkt/issue/view/360>)

### > Vol 25, No 2 (2022):

#### JURNAL KELAUTAN TROPIS

(<https://ejournal2.undip.ac.id/index.php/jkt/issue/view/927>)

### > Vol 25, No 1 (2022):

#### JURNAL KELAUTAN TROPIS

(<https://ejournal2.undip.ac.id/index.php/jkt/issue/view/908>)

### > Vol 24, No 3 (2021):

#### JURNAL KELAUTAN TROPIS

(<https://ejournal2.undip.ac.id/index.php/jkt/issue/view/827>)

### > Vol 24, No 2 (2021):

#### JURNAL KELAUTAN TROPIS

(<https://ejournal2.undip.ac.id/index.php/jkt/issue/view/792>)

### > Vol 24, No 1 (2021):

#### JURNAL KELAUTAN TROPIS

(<https://ejournal2.undip.ac.id/index.php/jkt/issue/view/675>)

### > Vol 23, No 3 (2020):

#### JURNAL KELAUTAN TROPIS

(<https://ejournal2.undip.ac.id/index.php/jkt/issue/view/647>)

### > Vol 23, No 2 (2020):

#### JURNAL KELAUTAN TROPIS

(<https://ejournal2.undip.ac.id/index.php/jkt/issue/view/567>)

### > Vol 23, No 1 (2020):

#### JURNAL KELAUTAN TROPIS

(<https://ejournal2.undip.ac.id/index.php/jkt/issue/view/528>)

### > Complete issues

(<https://ejournal2.undip.ac.id/index.php/jkt/issue/archive>)

## Most cited articles

### > Distribution of Depth and Clay-Silt to Sand Ratio of Land Subsidence in Coastal Semarang City by Resistivity Methods

(<https://ejournal2.undip.ac.id/index.php/jkt/article/view/5383>)

### > Skring Dan Seleksi Bakteri Symbion Spons Penghasil Enzim Ekstraseluler Sebagai Agen Bioremediasi Bahan Organik Dan Biokontrol Vibriosis Pada Budidaya Udang

(<https://ejournal2.undip.ac.id/index.php/jkt/article/view/595>)

### > Kualitas Perairan di Daerah

Fishing Ground Nelayan Kerang di Pesisir Timur Kota

[Home \(https://ejournal2.undip.ac.id/index.php/jkt/index\)](https://ejournal2.undip.ac.id/index.php/jkt/index) / [Archives \(https://ejournal2.undip.ac.id/index.php/jkt/issue/archive\)](https://ejournal2.undip.ac.id/index.php/jkt/issue/archive) / [Vol 23, No 1 \(2020\) \(https://ejournal2.undip.ac.id/index.php/jkt/issue/view/528\)](https://ejournal2.undip.ac.id/index.php/jkt/issue/view/528)

## Vol 23, No 1 (2020): JURNAL KELAUTAN TROPIS

ISSN 1410-8852  
EISSN 2528-3111  
Volume 23 No 1 Maret 2020  
JURNAL KELAUTAN TROPIS  
(Tropical Marine Journal)



www.ejournal2.undip.ac.id/index.php/jkt  
Indonesian Society for Tropical Marine Research  
Departemen Ilmu Kelautan  
Fakultas Perikanan dan Ilmu Kelautan  
Universitas Diponegoro

(<https://ejournal2.undip.ac.id/index.php/jkt/issue/view/528/showToc>)

## Table of Contents

### Articles

**Pengaruh Karakteristik Sedimen terhadap Distribusi dan Akumulasi Logam Berat Pb dan Zn di Perairan Sungai, Estuaria, dan Pantai**

(<https://ejournal2.undip.ac.id/index.php/jkt/article/view/5315>)

(<https://ejournal2.undip.ac.id/index.php/jkt/article/view/5315>)

© Najamuddin, Najamuddin, Irmalita Tahir, Rustam E. Paembonan, Inayah Inayah

Citations 0  
(<https://badge.dimensions.ai/details/doi/10.14710/jkt.v23i1.5315?domain=https://ejournal2.undip.ac.id>)

| Language: ID (#) | DOI: [10.14710/jkt.v23i1.5315](https://doi.org/10.14710/jkt.v23i1.5315)

(<https://doi.org/10.14710/jkt.v23i1.5315>)

© Published: 13 Feb 2020.

**Biodiversitas Zooplankton di Perairan Pesisir Pulau Keffing pada Musim Peralihan II, Kabupaten Seram Bagian Timur**

(<https://ejournal2.undip.ac.id/index.php/jkt/article/view/4956>)

(<https://ejournal2.undip.ac.id/index.php/jkt/article/view/4956>)

© Hanung Agus Mulyadi, Johanis Lekalette

Citations 1  
(<https://badge.dimensions.ai/details/doi/10.14710/jkt.v23i1.4956?domain=https://ejournal2.undip.ac.id>)

| Language: ID (#) | DOI: [10.14710/jkt.v23i1.4956](https://doi.org/10.14710/jkt.v23i1.4956)

(<https://doi.org/10.14710/jkt.v23i1.4956>)

© Published: 13 Feb 2020.

**Laju Pertumbuhan dan Pertumbuhan Mutlak Karang Lunak Cladiella sp. pada Substrat yang Berbeda**

(<https://ejournal2.undip.ac.id/index.php/jkt/article/view/5383>)

(<https://ejournal2.undip.ac.id/index.php/jkt/article/view/5383>)

















© Diah Putri Fitriani, Muhammad Zainuri, Wahyu Andy Nugraha

Citations 1  
(<https://badge.dimensions.ai/details/doi/10.14710/jkt.v23i1.5383?domain=https://ejournal2.undip.ac.id>)

| Language: ID (#) | DOI: [10.14710/jkt.v23i1.5383](https://doi.org/10.14710/jkt.v23i1.5383)

(<https://doi.org/10.14710/jkt.v23i1.5383>)

© Published: 13 Feb 2020.

- Semarang**  
(<https://ejournal2.undip.ac.id/index.php/jkt/article/view/1353>)
- > **Konsentrasi Klorofil-a dan Keterkaitannya dengan Nutrient N, P di Perairan Jepara : Studi Perbandingan Perairan Muara Sungai Wiso dan Serang**  
(<https://ejournal2.undip.ac.id/index.php/jkt/article/view/11697>)
- > **Bioakumulasi Arsen (As) dan Merkuri (Hg) pada Bivalvia dari Pesisir Sekitar Demak dan Surabaya Indonesia**  
(<https://ejournal2.undip.ac.id/index.php/jkt/article/view/3384>)
-  **More cited articles**  
(<https://ejournal2.undip.ac.id/index.php/jkt/article/view/3384>)
- Penilaian Keselamatan Wisata Berdasarkan Parameter Gelombang di Pantai Parigi, Kabupaten Pangandaran Jawa Barat**  
(<https://ejournal2.undip.ac.id/index.php/jkt/article/view/5559>)
-  Aniq Taofiqurohman, Mochamad Rudyansyah Ismail
-  Citations 2  
(<https://badge.dimensions.ai/details/doi/10.14710/jkt.v23i1.5559?domain=https://ejournal2.undip.ac.id>)
- | Language: **ID (#)** | DOI: [10.14710/jkt.v23i1.5559](https://doi.org/10.14710/jkt.v23i1.5559)  
(<https://doi.org/10.14710/jkt.v23i1.5559>)
-  Published: 13 Feb 2020.
- Biodiversitas Echinodermata pada Ekosistem Lamun di Perairan Pulau Karimunjawa, Jepara**  
(<https://ejournal2.undip.ac.id/index.php/jkt/article/view/3384>)
-  Reni Ria Yunita, Suryanti Suryanti, Nurul Latifah
-  Citations 2  
(<https://badge.dimensions.ai/details/doi/10.14710/jkt.v23i1.3384?domain=https://ejournal2.undip.ac.id>)
- | Language: **ID (#)** | DOI: [10.14710/jkt.v23i1.3384](https://doi.org/10.14710/jkt.v23i1.3384)  
(<https://doi.org/10.14710/jkt.v23i1.3384>)
-  Published: 13 Feb 2020.
- Fluktuasi Kondisi Megabentos di Perairan Ternate, Maluku Utara**  
(<https://ejournal2.undip.ac.id/index.php/jkt/article/view/5491>)
-  Ucu Yanu Arbi, Agustinus Harahap, Hendriks Alexander William Cappenberg
-  Citations 1  
(<https://badge.dimensions.ai/details/doi/10.14710/jkt.v23i1.5491?domain=https://ejournal2.undip.ac.id>)
- | Language: **ID (#)** | DOI: [10.14710/jkt.v23i1.5491](https://doi.org/10.14710/jkt.v23i1.5491)  
(<https://doi.org/10.14710/jkt.v23i1.5491>)
-  Published: 13 Feb 2020.
- Karakteristik Endapan Tsunami Berdasarkan Bukti Palinologi dan Sedimentologi di Bagian Timur Pulau Simeulue, Aceh, Indonesia**  
(<https://ejournal2.undip.ac.id/index.php/jkt/article/view/4954>)
-  Winarni Winarni, Anis Kurniasih, Septriono Hari Nugroho, Jenian Marin, Reddy Setyawan, Purna Sulastya Putra, Eko Yulianto
-  Citations 0  
(<https://badge.dimensions.ai/details/doi/10.14710/jkt.v23i1.4954?domain=https://ejournal2.undip.ac.id>)
- | Language: **ID (#)** | DOI: [10.14710/jkt.v23i1.4954](https://doi.org/10.14710/jkt.v23i1.4954)  
(<https://doi.org/10.14710/jkt.v23i1.4954>)
-  Published: 13 Feb 2020.
- Karakteristik Morfologi Lamun Thalassodendron ciliatum (Forsskal) Hartog 1970 (Kelas: Magnoliopsida, Famili : Cymodoceaceae) Berdasarkan Tipe Substrat di Perairan Pantai Timur Kabupaten Bulukumba**  
(<https://ejournal2.undip.ac.id/index.php/jkt/article/view/6090>)
-  Chair Rani, Muhammad Basri, Devi Yulianti Bahar, Meggy Yolanda
-  Citations 0  
(<https://badge.dimensions.ai/details/doi/10.14710/jkt.v23i1.6090?domain=https://ejournal2.undip.ac.id>)
- | Language: **ID (#)** | DOI: [10.14710/jkt.v23i1.6090](https://doi.org/10.14710/jkt.v23i1.6090)  
(<https://doi.org/10.14710/jkt.v23i1.6090>)
-  Published: 13 Feb 2020.



## Karakteristik Endapan Tsunami Berdasarkan Bukti Palinologi dan Sedimentologi di Bagian Timur Pulau Simeulue, Aceh, Indonesia

Winarni<sup>1</sup>, Anis Kurniasih<sup>1\*</sup>, Septriono Hari Nugroho<sup>2</sup>, Jenian Marin<sup>1</sup>, Reddy Setyawan<sup>1</sup>, Purna Sulastya Putra<sup>3</sup> dan Eko Yulianto<sup>3</sup>

<sup>1</sup>Departemen Teknik Geologi, Fakultas Teknik, Universitas Diponegoro  
Jl. Prof. H. Soedharto, Tembalang, Semarang, 50275

<sup>2</sup>Pusat Penelitian Laut Dalam, Lembaga Ilmu Pengetahuan Indonesia  
Jl. Y. Syaranamual, Guru-Guru, Poka, Ambon, 97233

<sup>3</sup>Pusat Penelitian Geoteknologi, Lembaga Ilmu Pengetahuan Indonesia  
Kompleks LIPI, Jalan Sangkuriang, Bandung, 40135  
Email: aniskurniasihgeo@gmail.com

### Abstract

#### **Characteristic of Tsunami Deposit Based on Palynology and Sedimentology Records from Eastern Part of Simeulue Island, Aceh, Indonesia**

Simeulue Island was located in an active tectonic zone that causes earthquakes followed by tsunamis. This research was conducted to get a detail explanation of tsunami deposits found in eastern Simeulue Island. The methods used in this study include granulometry analysis, Loss on Ignition (LOI), X-ray Fluorescence (XRF), and palynology. Based on analyzed, it was known that tsunami deposits in the studied area have non-uniform grain size characteristics and are dominated by gravel to boulder. The results of the LOI analysis show that the concentration of organic and carbonate material was very high, which is thought to be caused by a mixture of marine and terrestrial materials due to a tsunami. XRF analysis showed high content of Ca and Sr which indicated the influence of seawater on sediments. The palynological analysis showed that taxa from the lowlands and mangroves palynofacies dominate the presence of pollen, indicating that the possibility of depositional environments is the area around the mangrove coast. The presence of high lowland taxa is thought to originate from the tsunami backwash that brought material from the lowlands to the surrounding coast.

**Keywords :** Tsunami; sediment; palynology; Simeulue Island

### Abstrak

Pulau Simeulue terletak pada zona tektonik aktif yang menyebabkan terjadinya banyak gempa yang diikuti tsunami. Penelitian ini bertujuan untuk mengetahui karakteristik detail endapan tsunami yang terdapat di Pulau Simeulue bagian timur. Metode yang digunakan dalam penelitian ini meliputi analisis palinologi, granulometri, Loss on Ignition (LOI), dan XRay Fluorescence (XRF). Berdasarkan analisis tersebut diketahui bahwa endapan tsunami di daerah penelitian memiliki karakteristik ukuran butir yang tidak seragam dan didominasi oleh ukuran butir kerikil hingga bongkah. Hasil analisis LOI menunjukkan konsentrasi material organik dan karbonat sangat tinggi, yang diduga disebabkan oleh pencampuran material asal laut dan darat karena tsunami. Analisis XRF menunjukkan tingginya kandungan unsur Ca dan Sr yang mengindikasikan adanya pengaruh air laut pada endapan. Analisis palinologi menunjukkan taksa dari palinofasies dataran rendah dan mangrove mendominasi kehadiran polen. Hal ini mengindikasikan bahwa kemungkinan lingkungan pengendapan adalah area sekitar pantai mangrove. Kehadiran taksa dataran rendah yang tinggi diduga berasal dari gelombang balik tsunami yang membawa material dari dataran rendah ke sekitar pantai tersebut.

**Kata kunci :** Tsunami; sedimen; palinologi; Simeuleu

## Pengaruh Karakteristik Sedimen terhadap Distribusi dan Akumulasi Logam Berat Pb dan Zn di Perairan Sungai, Estuaria, dan Pantai

Najamuddin<sup>1\*</sup>, Irmalita Tahir<sup>1</sup>, Rustam E. Paembonan<sup>1</sup> dan Inayah<sup>2</sup>

<sup>1</sup>Program Studi Ilmu Kelautan, Fakultas Perikanan dan Kelautan, Universitas Khairun

<sup>2</sup>Program Studi Manajemen Sumberdaya Perairan, Fakultas Perikanan dan Kelautan,

Universitas Khairun

Jl. Raya Pertamina, Ternate, 97719

Email : najamuddin313@gmail.com

### Abstrack

#### **Sediment Characteristics Influence on the Distribution and Accumulation of Heavy Metals Pb and Zn in the River, Estuary, and Coastal Waters**

The purpose of the study was to analyze the effect of surface sediment characteristics including texture, organic carbon content, and redox potential of sediments on the distribution and accumulation of heavy metals Pb and Zn in three different water zones of each river, estuary and coast. Sediment texture was determined by pipette method, organic carbon content in sediments using Walkley and Black method, redox potential of sediments measured by Eh Meter, and concentrations of heavy metals Pb and Zn in sediments with Atomic Absorption Spectrophotometer with graphite furnace system. The results showed that the distribution and accumulation pattern of heavy metals Pb was similar to Zn where the highest concentration was in the coastal waters zone and the lowest was in the estuary waters zone. Sediment texture in the three zones of the dominant was sand. The percentage of organic carbon content in sediments ranges from 1.63-3.25% and the sediment redox potential was classified as reduction and transition zones. The parameters of texture, organic carbon content, and sediment redox potential have a significant influence on the distribution and accumulation of heavy metals Pb and Zn in sediments in all three water zones.

**Keywords:** heavy metal; texture; organic carbon; redox potential

### Abstrak

Tujuan penelitian adalah menganalisis pengaruh karakteristik sedimen permukaan meliputi tekstur, kandungan karbon organik, dan potensial redoks sedimen terhadap distribusi dan akumulasi logam berat Pb dan Zn di tiga zona perairan berbeda masing-masing sungai, estuaria, dan pantai. Tekstur sedimen ditentukan dengan metode pipet, kandungan karbon organik dalam sedimen dengan metode *Walkley and Black*, potensial redoks sedimen diukur dengan Eh Meter, dan konsentrasi logam berat Pb dan Zn dalam sedimen dengan Spektrofotometer Serapan Atom dengan sistem *graphite furnace*. Hasil penelitian menunjukkan pola distribusi dan akumulasi logam berat Pb serupa dengan Zn dimana konsentrasi tertinggi di zona perairan pantai dan terendah zona perairan estuaria. Tekstur sedimen pada tiga zona perairan dominan berupa fraksi pasir (*sand*). Persentase kandungan karbon organik dalam sedimen berkisar antara 1,63-3,25 % dan nilai potensial redoks sedimen termasuk kategori zona reduksi dan transisi. Parameter tekstur, kandungan karbon organik, dan potensial redoks sedimen memberikan pengaruh nyata terhadap distribusi dan akumulasi logam berat Pb dan Zn dalam sedimen pada ketiga zona perairan.

**Kata kunci:** logam berat; tekstur; karbon organik; potensial redoks

## Biodiversitas Zooplankton di Perairan Pesisir Pulau Keffing pada Musim Peralihan II, Kabupaten Seram Bagian Timur

Hanung Agus Mulyadi<sup>1\*</sup> dan Johanis Lekalette<sup>2</sup>

<sup>1</sup>Laboratorium Plankton, Pusat Penelitian Laut Dalam, Lembaga Ilmu Pengetahuan Indonesia

<sup>2</sup>Laboratorium Fisika Oseanografi, Pusat Penelitian Laut Dalam, Lembaga Ilmu Pengetahuan Indonesia

Jl. Y. Syaranamual, Guru-guru Poka, Ambon, Maluku 97233

Email: hanu001@lipi.go.id

### Abstract

#### **Biodiversity of Marine Zooplankton in Coastal Area of Keffing Island During Transitional Season II, East Seram Regency**

Zooplankton has an important role in thropic ecology at coastal area. According to their ecological function as the first consumer, zooplankton linked between producers (phytoplankton) and other marine organisms in the higher thropic level. The abundance of zooplankton in coastal area can be indicate as secondary productivity and as a food source for fisheries. This study aims to examine the biodiversity of zooplankton in coastal area of Keffing Island, Eastern Seram regency. Sampling was conducted in November 2017 during November (transitional season II) using NORPAC net (mesh size 300 micrometer) with vertical hauling from 10 meter of deep to the surface water. Samples were preserved with 4% formaldehyde and identify in the laboratory. The results showed that the biodiversity of zooplankton during transitional season II was 28 species, which copepods are the dominant taxa (13 species, 46.43% of total zooplankton). The total abundance of zooplankton is 351-1190 individu/m<sup>3</sup>, which *Oncaea* sp, *Eucalanus* sp and *Corycaeus* sp are abundant. Study biodiversity in coastal area of Keffing Island is important to support fisheries management programs. Avalaibility of data on the composition and abundance of zooplankton can be used as baseline data of secondary productivity and potency of natural food source in coastal area.

**Keywords:** Zooplankton; Copepods; Keffing Island; East Seram Regency

### Abstrak

Zooplankton mempunyai peranan penting dalam jejaring ekologi perairan pesisir. Posisinya sebagai konsumen pertama akan menghubungkan antara produsen dalam hal ini fitoplankton dengan biota pada tingkat tropik level di atasnya. Kelimpahan zooplankton di suatu perairan dapat menggambarkan produktivitas sekunder dan potensialitas pakan alami dari sumberdaya perikanan di suatu perairan. Penelitian ini bertujuan untuk mengkaji biodiversitas zooplankton di perairan pesisir Pulau Keffing, Seram Bagian Timur (SBT). Penelitian ini dilakukan pada bulan November 2017 (musim peralihan II). Pengambilan sampel dilakukan dengan menggunakan jaring NORPAC (mata jaring 300 mikrometer), ditarik secara vertikal dari kedalaman 10 meter menuju permukaan. Sampel dipreservasi menggunakan formalin 4%, dan diidentifikasi di laboratorium. Hasil penelitian menunjukkan bahwa biodiversitas zooplankton selama musim peralihan II sebanyak 28 jenis. Komposisi jenis copepoda mendominasi dengan 13 jenis (46,43% dari total komposisi zooplankton). Kelimpahan Total zooplankton berkisar antara 351-1190 ind/m<sup>3</sup>. zooplankton yang melimpah dari jenis *Oncaea* sp., *Eucalanus* sp. dan *Corycaeus* sp. Kajian tentang biodiversitas zooplankton di pesisir Pulau Keffing sangat penting untuk mendukung program pengelolaan sumberdaya perikanan. Ketersediaan data komposisi dan kelimpahan zooplankton dapat digunakan sebagai data dasar produktivitas sekunder dan potensi pakan alami di perairan.

**Kata Kunci:** Zooplankton; Copepoda; Pulau Keffing; Kabupaten Seram Bagian Timur