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Volume 162

**2018**

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**1st International Conference on Maritime Sciences and Advanced Technology "Ocean Science and Technology Toward a Global Maritime Axis" 3–5 August 2017, Denpasar, Bali, Indonesia**

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## Preface

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## Papers

### Ocean and Coastal Dynamics

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Ocean numerical model experiment on estimating the variation of volume and heat transport in Karimata strait

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I P Anwar, M R Putri and A Setiawan

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Evaluation of a global ocean general circulation model; The Lat-Lon-Cap (LLC90) configuration of the MITgcm

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The roles of mixed layer depth in affecting chemical and biological characteristics of Makassar straits, Indonesia

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012004

The study of MJO impact on wave height and wind speed in Indonesian Seas

I Hilmi, N S Ningsih, I Sofian, F Hanifah and A M Rizal

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Integrated 3D numerical modeling during La Niña and El Niño events using Regional Ocean Modeling System (ROMS) in Makassar Strait: preliminary study

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The changes of water mass characteristics using 3-dimensional Regional Ocean Modeling System (ROMS) in Balikpapan bay, Indonesia

A A Nur, I Mandang, S Mubarrok and M Riza

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Numerical modeling of wave-current interaction in Merak Port, Indonesia

S Nurfitri, N S Ningsih, A N Sentanu and R Rachmayani

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012008

Environmental assessment of Pari Island towards oil spill using Geographic Information System (GIS): a preliminary study

S Nurfitri, M Raihan, M R Putri, A Setiawan, M Gade and T Pohlmann

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012009

Image side-scan sonar segmentation for seafloor detection in Lembeh strait, Bitung, North Sulawesi

Rina Nurkhayati, Henry M Manik, Totok Hestirianoto, Susilohadi and Delyuzar Ilahude

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Temperature-Salinity stratification in the Eastern Indian Ocean using argo float

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Monochromatic interfacial wave propagating over one and two bar(s)

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R K Yasmin and S R Pudjaprasetya

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## Air-Sea Interaction and Climate Variability

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012013

Study of coastal flooding in Kupang, East Nusa Tenggara due to Tropical Cyclone Frances (case study April 27<sup>th</sup> – 30<sup>th</sup> 2017)

I G A P P Astiduari, T H A Rasyiid and I R Nugraheni

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Characteristics of diabatic heating associated with mesoscale convective systems over Indian Ocean from radiosonde and GPS radio occultation

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Semiannual variation of zonal current along the equatorial Indian Ocean

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Interannual variability of sea surface height difference between western Pacific Ocean and eastern Indian Ocean and its effect to geostrophic current in Lombok Strait

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Water temperature variation of Segara Anakan, Sempu Island, South Malang, Indonesia in relation to the climate variation

A Sartimbul, H Nakata, E Rohadi, S H J Sari, M Najib, S Alisafira, S N Ikhsani and D Listiyaningsih

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Analysis of daily wind circulation toward sea level rise in Semarang

N Fitrianti, Y D Haryanto, E V S Simamora, H F A Bintari, A Hartoko, S Anggoro and M Zainuri

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**Marine Disaster and Hazards & Marine Degredation**

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Spatial multi criteria approach for tsunami risk assessment

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Critical-phase sea dike construction of NCICD program in Jakarta as national capital city

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Nitrate and phosphate from rivers as mitigation of eutrophication in Benoa bay, Bali-Indonesia

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**Living Marine Resources (Sub-theme: Coastal Conservation, Biodiversity, Marine Pollutant, Marine Food Security and Aquaculture)**This site uses cookies. By continuing to use this site you agree to our use of cookies. To find out more, see our [Privacy and Cookies policy](#).

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Identification of *Decapterus sp.* potential fishing grounds in Java and Western Kalimantan Seas

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Microplastics in Sumba waters, East Nusa Tenggara

M R Cordova and U E Hernawan

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Measurement and analysis of acoustic backscattering strength for characteristics of seafloor sediment in Indian Ocean WPP 572-573

Fauziyah, A Priatna, W F Prakoso, T Hidayat, H Surbakti and E Nurjuliasti

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Primary productivity of coastal ecosystems in the Seribu Islands (case study on Kelapa Dua Island, Pramuka Island and Pari Island)

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Study of biophysical status and resources support marine tourism area of mangrove in Indramayu Karangsong

Donny Juliandri Prihadi, Indah Riyantini and Mochamad Rudyansyah Ismail

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Quantitative assessment of vulnerability in aquaculture: climate change impacts on whiteleg shrimp (*Litopenaeus*

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A D Puspa, T Osawa and I W Arthana

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## Developing one map of national marine resources of Indonesia

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## Aesthetic quality assessment in Santolo Beach, West Java Province, Indonesia

Ankiq Taofiqurohman, Ivonne M Radjawane and Yayat Dhahiyat

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Potential of methanol extract from the stem bark of mangrove *Rhizophora mucronata* against bacteria *Escherichia coli* and *Aeromonas hydrophilla*

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Effects of artificial and natural materials ropes as substrates for settling and metamorphosis of pediveliger pearl oyster, *Pinctada maxima* (Jameson, 1901)

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## Spatial assessment of relative resilience potential to support management of coral reef ecosystem in Doreri Bay area, Manokwari Regency, Indonesia

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T F Pattiasina, A Sartimbul, B Semedi, E Y Herawati, D D Pelasula, M Krey and Mulyadi

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### Non-living Marine Resources (Sub-theme: Marine Geology and Marine Renewable Energy)

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Depositional environmental evolution of Kalibiuk formation based on paleontological molluscan Study, Cisaat River section, Bumiayu, Central Java, Indonesia

Aswan, Elina Sufiati, Alfend Rudyawan, Desty Kistiani and Thaw Zin Oo

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Ichnofossils study of paleocene sediment source rock cores from Bintuni basin, West Papua, Eastern Indonesia

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Chlorophyll-A variability in the southern coast of Java Island, Indian Ocean: corresponding to the tropical cyclone of Ernie

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The readiness of small island community to the development of potential renewable energy: case study of Bulang Kebam Island, Riau Island province, Indonesia

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Study of ocean thermal energy resources in Parabaya, West Sulawesi

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## Satellite and Ocean Remote Sensing

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Estimation of marine gravity anomaly model from satellite altimetry data (Case Study : Kalimantan and Sulawesi Waters-Indonesia)

P Hartanto, S Huda, W Putra, E D Variandy, B Triarahmadhana, D Pangastuti, A M Pahlevi and C Hwang

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GEOBIA an (Geographic) Object-Based Image Analysis for coastal mapping in Indonesia: *A Review*

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Utilization of AIS (Automatic Identification System) sensor for mobility monitoring of fishing vessel based on PFZ (Potential Fishing Zones) distribution

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Salt pond analysis using ALOS PALSAR case study Sampang, Madura-Indonesia

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Identification of flood area in the coastal region using remote sensing in Karawang Regency, West Java



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Long term variation of sea level anomaly (September 1992-January 2017) in the Indonesian sea from multi-mission satellite altimetry data

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Oceanographic factors related to Eastern Little Tuna (*Euthynnus affinis*) catches in the west Java Sea

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Variabilities of the sea level anomalies in the upstream areas of the Kuroshio Current

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Analysis of dissemination methods for remote sensing information in maritime field to support the local government

G D Yudha and S M Purnama

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Predictor-corrector scheme for simulating wave propagation on shallow water region

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**Stress concentration factor distribution of inclined brace in multiplanar offshore tubular double kt joints**

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