



Enhancing Marine Biodiversity Research in IndOnesia

IPB ICC Meeting Room E dan F, 14-15 November 2014

Day I – Friday, 14 November 2014

- 08.30 Registration
- 09.00 EMBRIO mini workshop report by Dr. Hawis Madduppa
- 09.05 EMBRIO Activities report by Dr. Neviaty P Zamani
- 09.15 Welcome address by Prof. Dr. Anas M. Fauzi (Vice Rector for Research and Collaboration)
- 09.30 Launching of *White Paper* EMBRIO by Dean of Faculty of Fisheries and Marine Science
- 09.45 Invited Speakers (*@20 minutes*)
Chairperson: Dr. Tri Prartono (Dept Marine Science & Technology)
- Dr. Carsten Thoms (DAAD Long term lecturer in Marine Science at IPB)
Marine Biodiversity as a Treasure Trove for Biotechnological Innovation - The Importance of Higher Education Networks for Sustainable Marine Bioprospecting in Indonesia
- Mareike Huhn (University of Kiel – Germany, Bogor Agricultural University, Indonesia)
Bioinvasions within a Single Country: Crossing Biogeographic Borders in the Indonesian Archipelago
- Prof. Dr. Suharsono (Research Center for Oceanography-LIPI)
- 11.30 ISHOMA

13.30-17.00 Presentation (@paper 10 minutes)

Session I Chairperson: Dr Am Azbas Taurusman

1. Three Loci of mtDNA Revealed Cryptic Species on Indo-Malay-Philippine Archipelago Coral Blennies Fish (Genus: *Ecsenius*) | Angka Mahardini, Mark V. Erdmann, and Gerald R. Allen
2. Two species of black sea cucumber in the intertidal zone of Pombo Island, Maluku, Indonesia: Taxonomy and local distribution | Ana Setyastuti
3. Nano collagen of Gamma Holothuria as anti aging serum | Pipih Suptijah & Tati Nurhayati
4. Comparison of Crustacean Diversity in Intertidal Zone of Ela-Ela Beach, Sekotong, West Lombok in 2012 and 2014 | Bella Riskaputri, Hanung Charendra, Wulandari Puspitaningrum, Yolanda Wandasari, Dian Pertiwi Sihaloho, Novita Ella Wahyuni, Nur Faizah, Maria Ulfah, Abdullah Firaswan, Imron Riyanto, Kabrina Rian, Brigita Saras J., Lufina Fitrianti, Livy Liana, Silmi Mardianti
5. DNA analyses of Sea Turtle's samples: obtaining genetic data from dead hatchling, nesting female and raw meats | Ni Kadek Dita Cahyani, Samsul Bahri, Masriana, Yuliana Fitri Syamsuni, Made Jayaratha, Maulid Dio Suhendro
6. Salinity structure within the estuary of Bintuni Bay | I Wayan Nurjaya
7. pH and Temperature-dependent Autooxidation of Bluefin Tuna Myoglobin | Mala Nurilmala, Hideki Ushio, Shugo Watabe, and Yoshihiro Ochiai
8. DNA Barcoding of stingrays (Myliobatiformes: Dasyatidae) landed in the Indonesian fish market and their conservation and trade status | Hawis Madduppa, Rani Utari Ayuningtyas, Beginer Subhan, Dondy Arafat, Prehadi

Session II Chairperson: Dr Bisman Nababan/Dr Wayan Nurjaya

9. Effect of Biostimulation and Biostimulation-Bioaugmentation Conjunction for Oil Biodegradation in Oil Polluted Sandy Beach by Using Mesocosm Approach | Yeti Darmayati, Harpasis S. Sanusi, Tri Prartono, Dwi Andreas Santosa and Ruyitno
10. Sexual maturity and fecundity of the blue swimming crab (*Portunus pelagicus*) and the implication to its sustainability | Zairion, Yusli Wardiatno, Achmad Fahrudin, Menofatria Boer
11. Revealing Hidden Diversity in Menjangan Besar Island, Karimunjawa: Reef-Associated Decapods as a Proxy of Biodiversity Estimation | Ni Putu Dian Pertiwi, Eka Maya Kurniasih, Sukron Alfi Rintiantoto, I Gede Wahyu Dani Dharmawan, Teuku Rizza Mustari, Fitriani Basuki
12. Effect of Sediment particle size on survival of tropical benthic amphipod *Grandidierella bonnieroides* Stephenson 1948: Implications for ecotoxicological testing | Dwi Hindarti, Zainal Arifin, Tri Prartono, Ety Riani, Harpasis S. Sanusi
13. Diversity of Sponge Fauna from Seagrass Ecosystem in Pramuka Island, District of Panggang Island-Seribu Islands DKI Jakarta | Meutia Samira Ismet, Dietriech G Bengen, Ocky K Radjasa, and Mujizat Kawaroe

14. Composition of Meiobenthos as Bioindicators of Tangerang Coastal Waters | Majariana Krisanti, Lusita Meilana, and Yusli Wardiatno
15. Effect of boiling and steaming on the content of essential polyunsaturated fatty acids and cholesterol in muscle tissue of three Mollusc | Sri Purwaningsih, Sugeng Heri Suseno, E. Salamah, J. R. Mulyaningtyas, Y. P. Dewi
16. Antibacterial and antihyperglycemic activity of endophytic fungi isolated from coastal plant “sarang semut” | Kustiariyah Tarman, Rita Sahara, Nurlaila Firdani Fajri, Desniar, Iriani Setyaningsih
17. Dietary supplementation of microencapsulated synbiotic at different dosages to prevent vibriosis in *Litopenaeus vannamei* | Munti Yuhana, Anis Zubaidah and Widanarni

Day II – Saturday, 15 November 2014

- 08.30 Registration
- 09.00 Presentation (@paper 10 minutes)

Session III Chairperson: Dr Ario Damar

18. Characteristics and selulotic activities of endophytic fungi in macroalgae (*Sargassum* sp., *Gracilaria* sp., *Gelidium* sp., and *Caulerpa* sp.) from Pari Island, Thousand Islands, Jakarta | Mujizat Kawaroe , Adriani Sunuddin, Junkwan Hwangbo, Ami Shaumi
19. Sex and size range composition of whale shark (*Rhincodon typus*) and their sighting behavior in relation with fishermen lift-net within Cenderawasih Bay National Park, Indonesia | Mahardika R Himawan, Casandra Tania, Beny A Noor, Anton Wijonarno, Beginer Subhan, Hawis H Madduppa
20. Diversity of Echinoidea in Gili Genting, Sekotong, West Lombok | N. R. A. S. Amalia, Rosita D.P.S., S. C. Dimarti, C. A. Aldiansyah, Muzdalifah, W. Merizka, A. E. Primasanti, G. A. Pratama, Lathifah Z.D., Y. A. Tranggono, I. D. Utami, C. Pradhitaningrum, G. Pangesti
21. Potency of Tyrosinase Inhibitor and Antioxidant Agent from *Cylocarpus granatum* Koenig Fruit Seeds | N.P. Zamani, M. Gazali, I. Batubara
22. Population structure of big eye tuna (*Thunnus obesus*) in the Indo-Malay archipelago inferred from mitochondrial control region sequences | Ni Putu Dian Pertiwi, Andrianus Sembiring, Ni Kadek Dita Cahyani, Aji Wahyu Anggoro, Budi Nugraha, Ririk Kartika Sulistyaningsih, Irwan Jatmiko, IGNK Mahardika
23. Changes in nutritional composition of skipjack (*Katsuwonus pelamis*) due to frying process | Nurjanah, Sugeng Heri Suseno, Prisca Sari Paramudhita, and Yulia Ekawati
24. DNA barcoding and phylogenetic reconstruction of shark species landed in Muncar fisheries landing site towards shark capture in Southern Java fishing port | Prehadi, Andrianus Sembiring, Eka Maya Kurniasih, Beginer Subhan, Rahmad, Hawis H Madduppa

Session IV Chairperson: Dr Tri Prartono

25. Diversity of Asteroidea in Gili Genting Beach, Sekotong District, West Lombok | Safira C.D., Indira D.U., Nur Rofika A.S.A., Cheppy A., Gregorius A.P., Yoko A.T., Muzdalifah, Lathifa Z.D., Anastasia E.P., Widyastuti M., Chandra P., Rosita D.P.S., Galih P., Fibra N., R. Jannah, I. Wardani, Z. Wati
 26. An assessment of reef conservation management needs of Krakatau Islands, Indonesia | Singgih A Putra, Ario Damar, Agustinus M. Samosir
 27. Utilization of natural phycoerythrin from *Porphyridium cruentum* as photosensitizer for dye-sensitized solar cell | Wini Trilaksani, Akhiruddin Maddu, Iriani Setyaningsih, Bambang Riyanto, Elka Firmanda
 28. Measuring multispecies bioeconomic for sustainable of tuna fisheries in Indonesia (Case Study: Palabuhanratu, IOTC Area) | Nimmi Zulbainarni
 29. Sr/Ca and $\delta^{18}O$ Records in Coral *Porites* from Pari Island, Northwestern of Jakarta: Relationship with Sea Surface Temperature | Ali Arman, Neviaty P. Zamani, Alan Koropitan, Suharsono, Kazuto Ohmori, Atsuko Yamazaki and Tsuyoshi Watanabe.
 30. The Sand Crab of Family Hippidae (Genus *Emerita* dan *Hippa*) from Indonesia (Crustacea:Decapoda: Anomura) | Puji Utari Ardika, Achmad Farajallah, Yusli Wardiatno
 31. Potential of Recreation in Marine Conservation in Indonesia Case study: Gili Trawangan | Vladimir Cirjakovic
 32. Close genetic relatedness of Whale Sharks *Rhincodon typus* between Cenderawasih Bay, Indonesia and Indo-Pacific populations revealed by mitochondrial cytochrome oxidase C (subunit 1) DNA: implications for conservation | Abdul Hamid Toha, Hawis H. Madduppa, Nashi Widodo, Beginer Subhan, Mahardika Rizqi Himawan, Casandra Tania, Benny A. Noor, Brent Stewart
 33. Genetic Variation of *Emerita emeritus* in Two Adjacent Areas of South Coast of Java | Ali Mashar, Nurlisa A. Butet, Yusli Wardiatno, M. Mukhlis Kamal, Yuyun Qonita, Agus A. Hakim
 34. Diversity and species composition of inshore-trawled fish communities in Tangerang Regency | Mohammad Mukhlis Kamal and Yusli Wardiatno
- 12.00 Break
- 13.15 Reviewing process presentation by Dr Carsten Thoms, and Finalization of *Full Paper* and *English correction*
- 16.00 Closing remarks