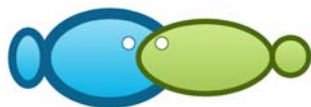


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Macale A. M. B., Nieves P. M., 2019 Stakeholders' perception on the status of blue swimming crabs *Portunus pelagicus* (Linnaeus, 1758) and performance of lying-in hatchery concept in San Miguel Bay, Philippines. AAAL Bioflux 12(2):413-416.

Supono, Wardiyanto, Harpeni E., Khotimah A. H., Ningtyas A., 2019 Identification of *Vibrio* sp. as cause of white feces diseases in white shrimp *Penaeus vannamei* and handling with herbal ingredients in East Lampung Regency, Indonesia. AAAL Bioflux 12(2):417-425.

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Musel J., Anuar A., Mohamad S., Mustapa N., Hassan M. H., Rajali H., Anuar A., 2019 Morphometric relationship and the spawning season of *Acetes intermedius* from the coast of Miri Sarawak, Northwestern Borneo. AAAL Bioflux 12(2):457-471.

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- Fuad, Baskoro M. S., Riyanto M., Mawardi W., 2019 Catch characteristics on stationary lift net using light emitting diode (LED) and kerosene lights in Pasuruan waters. *AACL Bioflux* 12(2):490-501.
- Paulangan Y. P., Fahrudin A., Sutrisno D., Bengen D. G., 2019 Distribution and condition of coral reef ecosystem in Tanah Merah Bay, Jayapura, Papua, Indonesia. *AACL Bioflux* 12(2):502-512.
- Mohamad-Zulkifli N. F. N., Yong A. S. K., Kawamura G., Lim L.-S., Senoo S., Devic E., Mustafa S., Shapawi R., 2019 Apparent digestibility coefficient of black soldier fly (*Hermetia illucens*) larvae in formulated diets for hybrid grouper (*Epinephelus fuscoguttatus* x *Epinephelus lanceolatus*). *AACL Bioflux* 12(2):513-522.
- Guntur G., Asadi M. A., Jullanda M. S. H., Luthfi O. M., Bintoro G., 2019 Ecology of bivalves in the intertidal area of Ngemboh, Gresik, East Java, Indonesia. *AACL Bioflux* 12(2):523-534.
- Serdiati N., Arfiati D., Widodo M. S., Lelono T. D., Toha A. H. A., 2019 Genetic characteristics of ricefish from Lake Poso, Central Sulawesi, Indonesia. *AACL Bioflux* 12(2):535-552.
- Goda A. M. A. S., Srour T. M., Mansour A. T., Baromh M. Z., Sallam G. R., Baromh A. Z., 2019 Assessment of stressful ambient water salinity on growth, feed utilization and hematological indices of European sea bass, *Dicentrarchus labrax*, juveniles. *AACL Bioflux* 12(2):553-563.
- Cahyadinata I., Fahrudin A., Sulistiono, Kurnia R., 2019 Household welfare of mud crab fishermen in small outermost islands. Case study: Enggano Island, Bengkulu Province, Indonesia. *AACL Bioflux* 12(2):564-574.
- Chilmawati D., Hutabarat J., Anggoro S., Suminto S., 2019 Biomolecular identification and optimization of growth performance and egg production in *Oithona* sp. under different salinity culture conditions. *AACL Bioflux* 12(2):575-585.
- Rumampuk N. D. C., Schaduw J. N. V., Lintang R. A. J., Rompas R. M., 2019 Imposex phenomenon in gastropods from Bitung waters, North Sulawesi, Indonesia. *AACL Bioflux* 12(2):586-592.
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- Krisnafi Y., Yusrizal, Halim S., Santoso H., Suharto, Waluyo A. S., Kusdinar A., Danapraja S., Pickassa F. I., Alamsah S., Fadly Z. R., 2019 CPUE analysis of crab resources in Karangantu, Serang Banten, Indonesia. *AACL Bioflux* 12(2):610-617.
- Ben Yahkoub Y., Fekhaoui M., El Qoraychy I., Yahyaoui A., 2019 Current state of knowledge on Louisiana crawfish (*Procambarus clarkii* Girard, 1852) in Morocco. *AACL Bioflux* 12(2):618-628.
- Natan Y., Pattikawa J. A., Tomia B., 2019 Biological aspects of jumping halfbeak (*Hemiramphus archipelagicus*) in the waters of Kelang Island, Western Seram, Indonesia. *AACL Bioflux* 12(2):629-635.

Khan A., Rizal A., Dewanti L. P., Apriliani I. M., Junianto, Supriyadi D., Ghiffary W., Nasution A. M., Gray T. S., Mill A. C., Polunin N. V. C., 2019 Skipjack (*Katsuwonus pelamis*) tuna pole-and-line marketing supply chains in Indonesia: case study in Pulau Bacan. *AACL Bioflux* 12(2):636-641.

Achmad D. S., Ali S. A., Sudirman, Indar Y. N., 2019 The gonad maturity development and spawning season of orange-spotted grouper (*Epinephelus coioides*) at Kwandang Bay, Gorontalo Province, Indonesia. *AACL Bioflux* 12(2):642-649.

Asriyana, Irawati N., 2019 Assessment of the trophic status in Kendari Bay, Indonesia: a case study. *AACL Bioflux* 12(2):650-663.

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Kreckhoff R. L., Ngangi E. L. A., Undap S. L., Kusen D. J., 2019 Crude extracts of *Kappaphycus alvarezii* algae cultivated in several seaweed production centers in North Sulawesi, Indonesia a immunostimulant. *AACL Bioflux* 12(2):678-686.

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