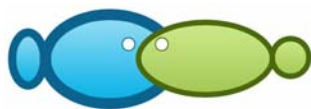


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Clemente K. J. E., Baldia S. F., Cordero Jr. P. A., 2017 The marine macroalgal flora of the Romblon Island Group (RIG), Central Philippines. AAAL Bioflux 10(5):983-1000.

Sunarma A., Carman O., Zairin Jr. M., Alimuddin, 2017 Improving biomass gain using crossbreeding of distinct farmed population of African catfish *Clarias gariepinus*. AAAL Bioflux 10(5):1001-1010.

Danalache T. M., Badilita A. M., Deak G., Holban E., Popescu I., Daescu A., Raischi M. C., Ghita G., Nicolea C. G., Diaconescu S., 2017 Assessment of Bastroe Channel possible impact on Lower Danube sturgeon migration. AAAL Bioflux 10(5):1011-1018.

Hulopi M., Tuahatu J. W., Tuhumury N. C., 2017 Seagrass potency as blue carbon source in Galala and Tanjung Tiram waters, Ambon Island, Indonesia. AAAL Bioflux 10(5):1019-1025.

Sombo H., Kamal M. M., Wardiatno Y., 2017 Abundance and size distribution of the humphead wrasse (*Cheilinus undulatus*) in Raja Ampat waters, West Papua Province, Indonesia. AAAL Bioflux 10(5):1026-1036.

Mansour O., Idris M., Noor N. M., Ruslan M. S. B., Das S. K., 2017 Effects of organic and commercial feed meals on water quality and growth of *Barbonymus schwanenfeldii* juvenile. AAAL Bioflux 10(5):1037-1048.

Shepherd B., Wandell M., Ross R., 2017 Mating, birth, larval development and settlement of Bargibant's pygmy seahorse, *Hippocampus bargibanti* (Syngnathidae), in aquaria. AAAL Bioflux 10(5):1049-1063.

Yala Z. R., Sulistiawati D., Masyahoro, Nasmia, 2017 Seaweed (*Euचेuma cottonii*) growth in polyculture application. AAAL Bioflux 10(5):1064-1073.

Udoh J. P., Ukpatu J. E., 2017 First estimates of growth, recruitment pattern and length-at-first-capture of *Nematopalaemon hastatus* (Aurivillius, 1898) in Okoro River estuary, southeast Nigeria. *AACL Bioflux* 10(5):1074-1084.

Docan A., Dediu L., Cretu M., Mogodan (Antache) A., 2017 Plasma biochemical responses of hybrid bester juveniles reared at different stocking densities. *AACL Bioflux* 10(5):1085-1090.

Rahman M., Herliwati, Prihanto A. A., 2017 Phosphor-based carrying capacity of Riam Kanan river, South Kalimantan on caged fish farming. *AACL Bioflux* 10(5):1091-1097.

Zainathan S. C., Johan C. A. C., Subramaniam N., Ahmad A. A., Halim N. I. A., Norizan N., Ariff N., 2017 Detection and molecular characterization of *Megalocytivirus* strain ISKNV in freshwater ornamental fish from Southern Malaysia. *AACL Bioflux* 10(5):1098-1109.

Olii A. H., Sahami F. M., Hamzah S. N., Pasingi N., 2017 Preliminary findings on distribution pattern of larvae of nike fish (*Awaous* sp.) in the estuary of Bone River, Gorontalo Province, Indonesia. *AACL Bioflux* 10(5):1110-1118.

Muis B. A., Murtalaksono K., Jaya I. N. S., Haridjaja O., 2017 Analysis of water demands for freshwater aquaculture ponds in Krueng Aceh watershed, Aceh Province, Indonesia. *AACL Bioflux* 10(5):1119-1126.

Mian S., Kader M. A., Abol-Munafi A. B., 2017 Effects of dietary phospholipid levels and sources on growth performance, fatty acid composition and oxidative responsiveness of juvenile Malaysian mahseer, *Tor tambroides*. *AACL Bioflux* 10(5):1127-1139.

Adhawati S. S., Baso A., Malawa A., Arief A. A., 2017 Social study of cantrang (Danish trawl) fisheries post Moratorium at Makassar Straits and Bone Gulf, South Sulawesi Province, Indonesia. *AACL Bioflux* 10(5):1140-1149.

Casaclang J. R., Gregorio A. C., Resuello R. B., Reves C. J. A., Bernardo-Fernandez J., Gonzales-Plasus M. M., 2017 Fish hydrolysate derived from fish waste increased the growth of *Kappaphycus alvarezii*. *AACL Bioflux* 10(5):1150-1156.

Cretu M., Docan A. I., Cristea V., Varlan O.-G., Dediu L., Andrei (Guriencu) R.-C., 2017 The effect of dietary supplementation with Sea-buckthorn (*Hippophae rhamnoides*) and Spirulina (*Spirulina platensis*) on the growth performance of some sturgeon hybrids. *AACL Bioflux* 10(5):1157-1163.

Manalu A. A., Haryadi S., Wardiatno Y., 2017 Microplastics abundance in coastal sediments of Jakarta Bay, Indonesia. *AACL Bioflux* 10(5):1164-1173.

Leiwakabessy J., Lewerissa S., 2017 Amino acid profile of *Strombus luhuanus* and *Lambis lambis* from Waisarisa and Suli waters, Maluku Province, Indonesia. *AACL Bioflux* 10(5):1174-1179.

Rizwan T., Nasution T. K., Dewiyanti I., Elrahimi S. A., Putra D. F., 2017 Fish diversity in the east coastal waters area of Aceh Besar District, Indonesia. *AACL Bioflux* 10(5):1180-1185.

Wahwakhi S., Kusmana C., Iswantini D., 2017 Potency of *Acanthus ilicifolius* as phytoremediation agent against copper pollution in Jagir River estuary, Wonorejo Village, Surabaya, Indonesia. *AACL Bioflux* 10(5):1186-1197.

- Jabbar M. A., Kamal M. M., Boer M., Suman A., Suyasa I. N., Nurdin E., 2017 Population dynamics of the red bigeye (*Priacanthus macracanthus* Cuvier, 1829) (Fish: Family Priacanthidae) in Palabuhanratu Bay, Indonesia. *AACL Bioflux* 10(5):1198-1209.
- Kar S., Das P., Das U., Bimola M., Kar D., Aditya G., 2017 Culture of the zooplankton as fish food: observations on three freshwater species from Assam, India. *AACL Bioflux* 10(5):1210-1220.
- Mulyono M., Nuraini A., Dewi I. J. P., Kritiani M. G. E., Syamsudin S., 2017 Biology aspects and length-weight relationship of squid *Loligo chinensis* in the waters of Lamongan Regency, East Java Province, Indonesia. *AACL Bioflux* 10(5):1221-1225.
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- Udoh J. P., Emah A. U., George I. E., Philip A. E., 2017 Growth performance and haematological response of *Clarias gariepinus* broodstock fed diets enriched with bitter leaf meal. *AACL Bioflux* 10(5):1281-1296.
- Musa N., Ramly H. R., Abdul Manaf M. T., Razzak L. A., Musa N., 2017 High water temperature impairs physiological responses in red hybrid tilapia: effects on cortisol and its regulation. *AACL Bioflux* 10(5):1297-1308.
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Safir M., Suprayudi M. A., Alimuddin, Setiawati M., Zairin Jr. M., 2017 Biochemical responses and feed digestibility in the sex reversed Nile tilapia fed different protein levels and rEIGH enriched diet. *AACL Bioflux* 10(5):1360-1370.

Limmon G. V., Khouw A. S., Loupatty S. R., Rijoly F., Pattikawa J. A., 2017 New distribution record of grouper from Maluku waters, Eastern Indonesia. *AACL Bioflux* 10(5):1371-1375.

Soetignya W. P., Suryobroto B., Kamal M. M., Boediono A., 2017 Ovarian development and spawning of Bornean endemic fish *Hampala bimaculata* (Popta, 1905). *AACL Bioflux* 10(5):1376-1385.

Nursyam H., Andayani S., Saputra A., 2017 The effect of tannin from red betel (*Piper crocatum*) leaves towards blood biochemistry and histology of North African catfish (*Clarias gariepinus*). *AACL Bioflux* 10(5):1386-1393.

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