



STAC Newsletter JAN & FEB 2020

Happy and Prosperous New Year 2020

Intakes for January:

- 1) Biofloc Technology Vannamei and Tilapia Farming
- 2) Fresh Water Prawn and Australia Fresh Water Prawn Farming and Breeding cum Indoor RAS

Intakes for February:

- 1) Fresh Water Fish (Marble Goby, Jade Perch, Empurau, Tilapia) Hatchery and Farming cum Indoor RAS Aquaponic.
- 2) Biofloc Technology Vannamei and Tilapia Farming.
- 3) Marine Fish (Grouper, Snapper, Seabass) Hatchery and Indoor RAS Grouper Farming.
- 4) Mangrove Crab Hatchery and Indoor RAS Vertical Racked Farming.



Hands on practical works for the participants

Visited Jetty Nelayan of Sepang River and Sepang Marine Fish Floating Cage Farm for practical works



Sepang River Marine Fish Floating Cage was started in the Year 2000. It is a good site for farm visits for the participants attending the STAC aquaculture courses.



Hands on practical work for the participants attending the Biofloc Technology Vannamei and Tilapia Farming



After attended the classroom lectures about what is” Biofloc Technology “and the participants were arranged to do hands on practical works for BFT water parameter monitoring with the application of simple test kits. Microscope study of the microorganism found in the Biofloc Technology tanks.



What is Biofloc Technology?

It is the use of beneficial microorganisms as a “floc” in “culture systems” to control water quality and to achieve production goals



Autotrophic bacteria convert organic wastes such as feces and un-eaten feed into Ammonia Nitrite and Nitrate and the heterotrophic bacteria convert the nitrate with the addition of carbohydrates such tapioca, rice, sugar or molasses into the biomass of the bacteria in which a group of beneficial micro organisms



Hands on practical work for Live Feed Culture

Live Feed Culture Hands on Practical works



Preparation and culture of Green Water with inorganic fertilizer



Live Feed Culture

Artemia Incubation: Hands on practical works for the participants



Testing the pH and salinity of the Artemia incubator at the STAC Live Feed Culture Room.



Hands on practical work for Counting and Packing of Hybrid Grouper for sale.



The participants helped to count and pack the hybrid grouper fish fries in plastic bag for delivery. Cold water (22-24 °C) and oxygen were used in the inflated plastic bag.



***Fresh Water Prawn All Male pLs from local hatchery supplier.
February 6th 2020 stocked with all-male pLs in Aquaponic tanks.***

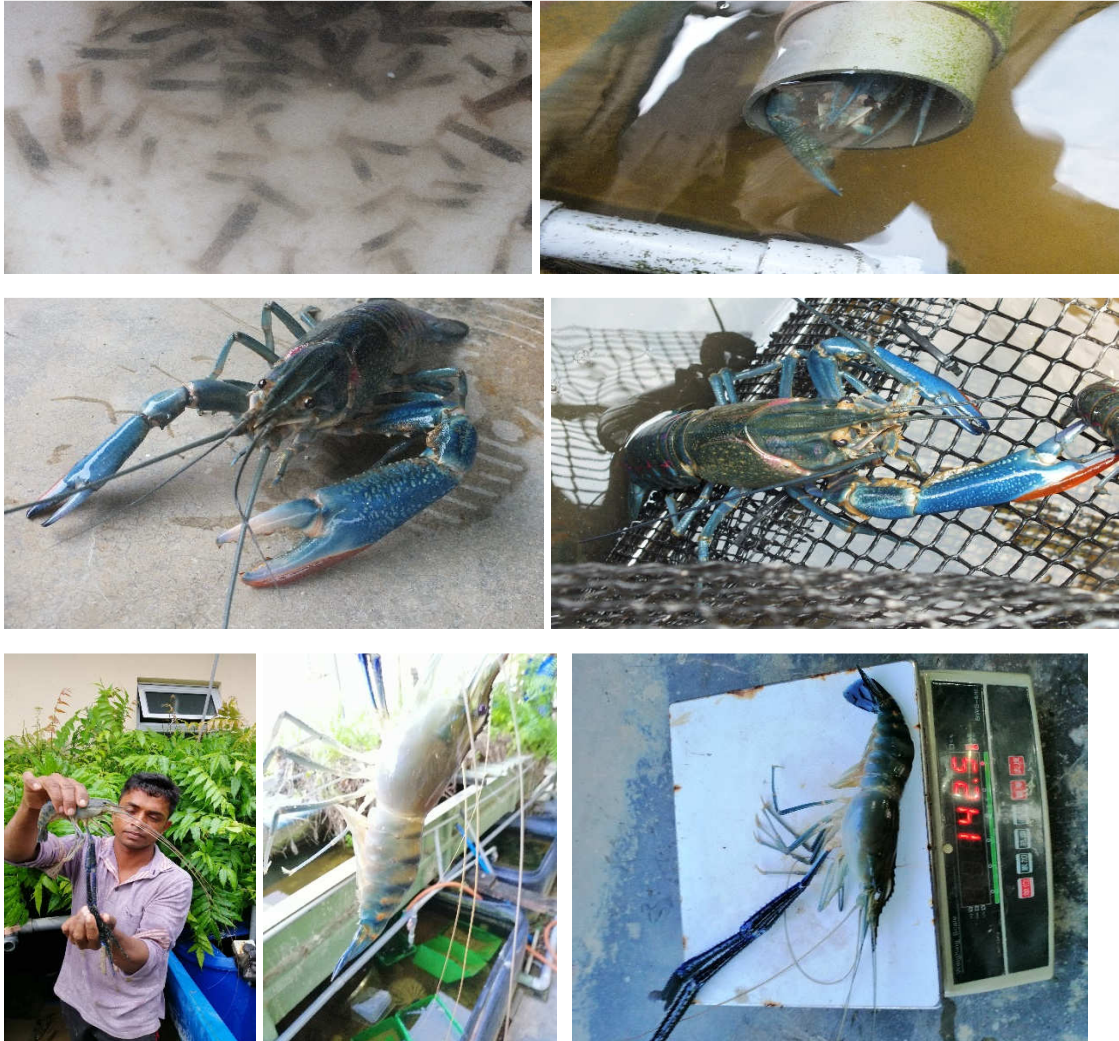


Orchid netting was used as a substrate for the all-male Udang Galah pLs produced by local Udang Galah Hatchery operator





***Macrobrachium rosenbergii* is known as Udang Galah (Fresh Water Prawn) in Malaysia and the *Cherax quadricarinatus* is known as Udang Kara (Australia Fresh Water Lobster or Crayfish) in Malaysia. The two species are inclusive in one aquaculture training course**



Both of the two are now common commercially viable fresh water species for investors in many parts of the world.



Course completion for the different intakes of February and January



Three participants from India attended the BFT Technical Transfer Course



Chrison Davis from India



A participant from India attended two aquaculture courses.





***A Yummy lunch with the products from the STAC Indoor RAS
Aquaponic and Biofloc Technology(Hybrid Grouper,GIFT,Jade
Perch,Vannamei ,Udang Galah,Crayfish and Tiger Prawn)***





Visitors from Singapore LSO Chairman (Left photo)



Visitors from Xiamen University Malaysia Campus (Right Photo)



Visitors from Nanyang University Selangor Alumni 40 members as one-day tour





For inquiry:

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