

#### 4.0 Postgraduate Programme

Postgraduate students at AKUATROP consisting Master of Aquaculture (structure C) which is conducted via coursework and the period of study is for eighteen months, Master Science (structure A) which is research based study and PhD.

In 2008 there are about 123 students supervised by AKUATROP Academic staffs. The total amount consisting 7 PhD students, 22 Master Science (structure A) students, 26 Master of Aquaculture (Structure C) students and 68 undergraduate students. Due to date there are 10 foreign students pursuing their Master and PhD degree in AKUATROP. Below is the list of postgraduates and undergraduates students of AKUATROP:

#### 4.1 Postgraduate Students 2008

##### 4.1.1 Local PhD Students

No	Name	Supervisor	Project title	Program	Year Registration	Grants received	Status
1	Dayang @ Salmah Sidek	Assoc. Prof Dr. Abol Munafi	Integrated Farming of Tilapia ( <i>Oreochromis</i> spp.) Cultured in Sabah	PhD	2004	Pasca Siswazah Under Universiti Malaysia Sabah 13/03/2003	On going
2	Ahmad Daud Om		Effect Of Docosahexaenoic Acid On Lipid Metabolism and Vitality in Black Sea Bream <i>Acanthopagrus schlegeli</i> And Red Sea Bream <i>Pagrus Major</i>	PhD	2005	-	On going
3	Lee Seong Wei	Assoc. Prof Dr. Najiah Musa	Molecular Characterization of <i>Edwardsiella tarda</i> Isolated from Freshwater Fishes in Terengganu	PhD	2006	NSF by MOSTI 02/07/06	On going

## 4.1.2 International PhD Students

No	Name / country	Supervisor	Project title	Program	Year Registration	Grants received	Status
1	Dinh Dac Tran (Vietnam)	Prof. Dr. Mohd Azmi Ambak	The Reproductive Biology and Population Dynamics of <i>Pseudapocryptes elongatus</i> (Gobiidae) Distributed in The Mud Flat Areas	PhD	2003	Sponsored by Vietnamese Government NO 322/Qd-Ttg Of Prime Minister 19/04/2000	Graduated 2008
2	Liem Thanh Pham (Vietnam)		Study of Genetic Characteristics of Pangasiid For Development of Catfish Culture	PhD	2003	-	Graduated 2009
3	Mithun Sukumaran (India)	Assoc. Prof Dr. Anuar Hassan	Isolation, Identification and Characterization of Probiotic Microbes to Enhance the Growth of Brown Marbled Grouper, <i>Epinephelus fuscoguttatus</i> (Forsskal 1775)	PhD	2006	SKS	On going
4	Pradeep P. J (India)		An Improved method for Triploidy induction in Red Hybrid Tilapia	PhD	2007	-	On going
5	Srijaya T.C (India)		Physiological Studies on Malaysian Horshoe Crab ( <i>Carcinoscorpius rotundicauda</i> ) (Latreille) Under simulated conditions.	PhD	2008	-	On going
6	Mubarak Eisa Abdelrahman (Sudan)	Assoc. Prof Dr. Abol Munafi	Nutritional Effectiveness of Formulated Water Hyacinth Plant on The Performance Of Nile Tilapia ( <i>Oreochromis niloticus</i> )	PhD	2007	-	On going

## 4.1.3 Local Master Degree Students

No	Name	Supervisor	Project title	Program	Year Registration	Grants received	Status
1	Sarimah Sabri	Prof. Dr. Faizah Shaharom	Morphological and Infection Study of Lernanthropidae on The Gill of Cultured Seabass	M.Sc (Structure C)	2006	-	Graduated 2008
2	Nurhidayah Mohd Razif	Assoc. Prof Dr. Anuar Hassan	Identification of Probiotics Boots The Growth of Slow Growing Groupers ( <i>Epinephelus</i> spp)	M.Sc	2007	-	On going
3	Siti Norhuda Mansor		Study On Embryonic And Larval Development of Tinfoil Barb ( <i>Barbonymus schwanenfeldii</i> )	M.Sc (Structure C)	2008	-	On going
4	Syahidah Ahmad	Assoc. Prof Dr. Anuar Hassan	Study on Induced Breeding And Eggs Incubation of Tinfoil Barb ( <i>Barbonymus schwanenfeldii</i> )	M.Sc (Structure C)	2008	-	On going
5	Zainurulazura Mohd Yasin	Assoc. Prof Dr. Ir. Ahmad Jusoh	The Utilization of Engineered Aquaponic Recirculating System in Determining Water Quality Performance for African Catfish ( <i>Clarias gariepinus</i> )	M.Sc (Structure C)	2006	SKS	Graduated 2008
6	Awang Alim Awang Kasim	Assoc. Prof Dr. Abol Munafi	The Reproductive Biology and Culture of Mantis Shrimp From Santubong Bay, Sarawak	M.Sc	2004	Sponsored by Hadiah Latihan Dalam Perkhidmatan Kerajaan Negeri Srawak 25/10/2004	Has not registered for current semester
7	Nur Shahzatusima Rami		Propagation of crossbred <i>Clarias macrocephalus</i> With <i>Clarias batrachus</i> in Capture Condition	M.Sc	2004	Sponsored detail of sponsor is not available	Has not registered for current semester
8	Shaharul Suhaila Ismail		Development of Molecular Markers Between Orange Clown Anemonfish ( <i>Amphiprion percula</i> Lacepede, 1802) And Pink Anemonefish ( <i>Amphirion perideraion</i> Bleeker, 1855) from Bidong Island	M.Sc	2004	-	Has not registered for current semester

9	Rohani Mahmud	Assoc. Prof Dr. Abol Munafi	Study on Culture Freswater Copepod ( <i>Eucylops</i> spp)	M.Sc	2005	SKS	Has not registered for current semester
10	Lokman Nor Hakim Norazmi	Assoc. Prof Dr. Abol Munafi	Study on The Effect of Hormone Treatment in Sex Determination of False Clownfish ( <i>Amphprion ocellaris</i> )	M.Sc	2006	SKS	On going
11	Muhammad Abduh Yazed		Study on The Feeding Requirement of False Clownfish ( <i>Amphiprion ocellaris</i> ) for Broodstock Production Purpose	M.Sc	2006	SKS	On going
12	Sarmiza Saperi	Assoc. Prof Dr. Abol Munafi	Sexual Dimorphism and Gonad Development Of Pink Skunk Clownfish ( <i>Amphiprion perideraion</i> )	M.Sc	2006	SKS	On going
13	Syahnnon Ahmad		Ecology and Biology of Oyster in Sea farming Area	M.Sc	2007	-	On going
14	Siti Ariza Aripin		The Characterization of Digestive Enzymet During Larval Development of Giant Grouper ( <i>Epinephelus lanceolatus</i> )	M.Sc	2007	-	On going
15	Ruhil Hayati Hamdan	Assoc. Prof Dr. Najiah Musa	Conventional and Molecular Characterization of Bacteria <i>Vibrio vulnificus</i> and <i>Vibrio parahaemolyticus</i> Isolated from Oyster	M.Sc	2005	Skim Pasca Siswazah By Kementerian Sains Teknologi Dan Inovasi (Kst)	On going
16	Wendy Wee		Molecular Characterization of <i>Citrobacter freundii</i> , <i>Edwardsiella tarda</i> and <i>Aeromonas hydrophila</i> Isolated from Red Tilapia ( <i>Oreochromis</i> sp.) Fingerlings Cultures at Terengganu and Selangor	M.Sc	2006	-	Graduated 2008

17	Abdul Latif Ibrahim	Dr. Zaleha Kassim	Ecological Study of Benthic Fauna In Mangrove Ecosystem	M.Sc	2003	-	On going
18	Norshida Ismail		Development Rates of Cultured Harpacticoid Copepod Fed with Benthic Diatom, <i>Navicula</i> sp.	M.Sc (Structure C)	2006	SKS	Graduated 2008
19	Mohd Shubli Md Saad		Mass-Production of <i>Clarias gariepinus</i> in Flow-Through System Using Pure Oxygen With Different Stocking Density	M.Sc (Structure C)	2006	SKS	Graduated 2008
20	Roshamiza Ishak		Early Growth of Macrobranchium rosenbergii fed on <i>Artemia</i> sp. And copepod, calanoid.	M.Sc (Structure C)	2006	SKS	Graduated 2008
21	Suniza Anis Mohamad Sukri		Effect On Hatching, Different Feeding and Early Growth of Horseshoe Crab, <i>Tachypleus gigas</i>	M.Sc (Structure C)	2006	-	Graduated 2008
22	Adillah Ibrahim		Growth and Survival Rate of Freshwater Prawn, <i>Macrobranchium rosenbergii</i> Larvae Fed on <i>Artemia</i> sp. and Harpacticoid Copepod	M.Sc (Structure C)	2006	SKS	Graduated 2008
23	Anis Sabirin Mohd Radzi		Determination of Fingerling Quality of Giant Seabass ( <i>Lates calcarifer</i> )	M.Sc (Structure C)	2006	SKS	Graduated 2008
24	Rosnani Nazri		Observation on Optimum Artemia Biomass Production in Tank System	M.Sc (Structure C)	2006	SKS	Graduated 2008
25	Prisyela Kaling		Water Quality Performance for Intensive Raceway System Between Oxygenation and Normal Aeration for African Catfish Production ( <i>Clarias gariepinus</i> )	M.Sc (Structure C)	2006	SKS	Graduated 2008
26	Mohd Luthfi Omar		Growth Rate and Feeding of <i>Perna viridis</i> in Muar Coastal Area and Effect of <i>Perna viridis</i> Feeding on Different Environment in Laboratory Condition	M.Sc	2007	-	On going

27	Tengku Nur Raihan Tengku Ngah	Dr. Zaleha Kassim	Life History Strategy of Different Species of Tropical Leech	M.Sc	2007	-	On going
28	Busra Ibrahim		Development of Cyst From Marine Harpacticoid Copepods	M.Sc	2007	-	On going
29	Noorul Ain Falah Ayob		SEM Study of Life Cycle of Harpacticoid Copepod	M.Sc	2007	-	On going
30	Farah Diyana Mohd Fathi		Taxonomic Study of Pytal Harpacticoid from Seagrass Beds of Sungai Pulai Estuary, Johor	M.Sc	2007	-	On going
31	Hasimah Mohamad Said		Successful Spawning of Green Mussels, <i>Perna viridis</i> Using Different Methods of Induction.	M.Sc (Structure C)	2008	-	On going
32	Nor Maisarah Rameli		Successful Spawning of Oyster, <i>Crassostrea iredalei</i> Using Different Methods Of Induction	M.Sc (Structure C)	2008	-	On going
33	Nor Nazifa Mazni		Induced Spawning of Horseshoe Crab, <i>Tachypleus gigas</i>	M.Sc (Structure C)	2008	-	On going
34	Farahiyah Ilyana Jamaludin		Growth Performance of Grouper Grow Out Feeding on <i>Acetes</i> .	M.Sc (Structure C)	2008	-	On going
35	Satminder Kaur a/p Kawan Singh	Dr. Hii Yii Siang	The Induction of Dipause in <i>Moina macrocopa</i> Influenced by Population Density and Photoperiod	M.Sc (Structure C)	2006	-	Graduated 2008
36	Ahmad Ikhwan Muftahuddin	Dr. Mhd Ikhwanuddin Abdullah	The Suitability of Free-Living Nematodes (Nematoda) As The Life Feed For The Blue Swimming Crab ( <i>Portunus pelagicus</i> )	M.Sc (Structure C)	2008	-	On going
37	Badrulnizam Basri	Dr. Mhd Ikhwanuddin Abdullah	Production of Juvenile Crab of Crucifix Crab ( <i>Charybdis feriatus</i> ) Using Probiotics	M.Sc (Structure C)	2008	-	On going

38	Mohd Adam Nashriq Bani Yamin	Dr. Mhd Ikhwanuddin Abdullah	Effect Of 17-A-Methyltestosterone Treatment to a Sex Population of <i>Portunus pelagicus</i>	M.Sc (Structure C)	2008	-	On going
39	Mohd Hilmi Husaini Omar	Dr. Mhd Ikhwanuddin Abdullah	Seed Production of Blue-Swimming Crab ( <i>Portunus pelagicus</i> ) Using Probiotics	M.Sc (Structure C)	2008	-	On going
40	Diana Abdul Wahid	Dr. Shahreza Md. Sheriff & Dr. Nur Asma Ariffin	Variation in Gene Expression in Response Towards Salinity Changes in Organic Cultured Seabass ( <i>Lates calcarifer</i> )	M.Sc (Structure C)	2006	SKS	Graduated 2008
41	Ahmad Syazni Kamarudin	Dr. Shahreza Md. Sheriff	Genetic Variation in Growth Performance of Organic Asian Seabass, <i>Lates calcarifer</i>	M.Sc (Structure C)	2006	SKS	Graduated 2008
42	Rosmawati Maludin	Dr. Nur Asma Ariffin	Genetic Variation in Four Population of Tiger Grouper Broodstock, <i>Epinephelus fuscoguttatus</i> , Using Genetic Marker	M.Sc (Structure C)	2006	SKS	Graduated 2008

## 4.1.4 International Master Degree Students

No	Name	Supervisor	Project title	Program	Year Registration	Grants Received	Status
1	Agus Putra Abdussamad (Indonesia)	Assoc. Prof Dr. Anuar Hassan	Pemanfaatan Tambak Udang Terlantar Sebagai Lahan Budidaya Kepiting Bakau	M.Sc	2006	Pendidikan Pasca Sarjana (3-2) by Provinsi Nanggroe Aceh Darussalam 01/12/2005	Graduated 2008
2	Le Son Trang		Breeding Technique and Meat Quality of Hybrid Catfish ( <i>Clarias gariepinus</i> X <i>Mystus nemurus</i> )	M.Sc	2005	2.624	On going
3	Taufik Hayimad (Thailand)	Assoc. Prof Dr. Abol Munafi	The Study on Production of Sported Babylon (Babylonia Areolata Link 1807) with Different Feeds	M.Sc	2006	SKS	On going
4	Endryeni Mulyadi (Indonesia)		Peningkatan Ketahanan Benih Ikan Garing ( <i>Tor douronensis</i> blkr) Terhadap Kondisi Stress dan Serangan Pathogen Melalui Suplimentasi Ekstrak Buah Mengkudu ( <i>Morinda citrifolia</i> linn) dalam Pakan.	M.Sc	2007	Sponsored by Kelah World, Hulu Langat	On going
5	Nguyen Phuc Thuong (Vietnam)		The Study of Adaptation Clownfish ( <i>Amphiprion ocellaris</i> ) to Aquarium Environment Aptitude	M.Sc	2007	GRA	On going



6	Adnan Saeed Mahfoudh Al-Sabban (Sudan)	Dr. Zaleha Kassim	Fish Preservation Technique: Physical and Sensory Changes of Fish Preserver in Calcium Chloride Slurry Ice	M.Sc (Structure C)	2006	-	On going
7	Sharif Hajdar Shahin (USA)		Life Feed (Medium Culture Needed)	M.Sc (Structure C)	2008	-	Graduated 2008
8	Hua Thai Nhan (Vietnam)	Dr. Hii Yii Siang	Study on the Effects of Some Environmental Factors to Spawning Performances of the Donkey - Ear Abalone <i>Haliotis asinia</i>	M.Sc	2007	GRA	On going

## 4.2 Master Sciences Aquaculture (Structure C) Educational Tours

On 20<sup>th</sup> to 22<sup>nd</sup> November 2008, student of aquaculture organized a trip to Kuala Lumpur Convention Center for an exhibition on aquaculture called Aquafair Malaysia 2008 – The 2nd Malaysian International Ornamental Aquatic Industry Exhibition. Apart from the Aquafair, they also visited three other places. Those places were Majuikan Fish Protech Sdn. Bhd. Bagan Lalang, Sepang; Aquatics International Sdn. Bhd. Kampong Baru Subang, Shah Alam; and Aquaria KLCC.

From the trips, the students had the opportunity to see high aquaculture technology that is available in Malaysia. They also learnt about a new system that achieved 1 to 1 FCR ratio. During this trip, the students managed to have a close look at ornamental fish industry that is very advance compared to a decade ago. Different techniques in aquarium fish breeding were taught well by the aquaculturist at Aquatics International Sdn. Bhd. The trip provided of opportunity for students to communicate and exchanged ideas with aquaculture people in the aquaculture industry.



AKUATROP Master Sciences Aquaculture (Structure C) Students at Aquafair Malaysia 2008 – The 2nd Malaysian International Ornamental Aquatic Industry Exhibition.



Visit sites at Aquatics International Sdn. Bhd. Kampong Baru Subang, Shah Alam