

Asian-Pacific Aquaculture 2016

Profitability, Sustainability, and Responsibility for the Future

26-29 April, 2016

Grand City Surabaya, Indonesia

This event includes:

- Asia Pacific Aquaculture 2016
 - IndoAqua 2016
 - FITA 2016
 - ISTA 2016



Hosted by: Ministry of Marine Affairs & Fisheries (MMAF)









ASIAN PACIFIC AQUACULTURE 2016

THE SECOND MAJOR INTERNATIONAL AQUACULTURE CONFERENCE IN **INDONESIA**

After the first successful meeting in 2005 in Bali, Asia Pacific Aquaculture 2016 will be the next chance for the international aquaculture community to visit Indonesia and see the rapidly expanding aquaculture industry in Indonesia nearly 20% increase in the last 5 years in hectares in aquaculture production and over 50% per year increase in tons produced every year for the last 10 years! Attendees will be able to see what is happening in Indonesian aquaculture to create this growth as well as aquaculture developments in the rest of Southeast Asia.

Asia Pacific Aquaculture 2016 is the place to learn about the latest in aquaculture, see the newest technology in the trade show with exhibits from around the world and enjoy the many tourist sights in Indonesia. The International Symposium on Tilapia in Aquaculture (ISTA) will be part of the program.

SPECIAL PRODUCER PROGRAM

Asia Pacific Aquaculture 2016 will have several special Industry sessions with the latest in practical knowledge for the Indonesian aquaculture producers. IndoAqua, Fita and 12th All Indonesian Young Koi Show are included in this event.

TECHNICAL PROGRAM COVERS THE LATEST RESEARCH

Sessions and workshops at Asia Pacific Aquaculture 2016 will cover all aspects of aquaculture in Indonesia as well as Southeast



PROGRAM TOPICS

Algal Aquaculture and Biology Amphibian and Reptile Aquaculture Animal Health & Welfare

Aquaponics and Integrated Aquaculture-Agriculture

Systems

Arid land Aquaculture Barramundi, Seabass &

Seabream Bio-floc Systems

Biosecurity Biotechnology

Breeding & Genetics

Cage-culture

Catfish Cobia

Coldwater Species - General Crabs & Lobsters

Crayfish & Freshwater Prawn Development, Welfare and

Poverty Alleviation (AwF)

Drugs and Chemotherapeutics Economics & Management Education, Extension,

Technology Transfer

Eels

Embryology

Emerging Issues

Emerging Species Enhancement, Stocking &

Ranching

Environment, Biodiversity and

Climate Change

Farmers Day

Finfish Broodstock Maturation

Fish Biology and Physiology Fish Health

Fish Meal and Oil

Flatfish

Food Safety, Inspections and

Freshwater Aquaculture and Environmental Impact

Freshwater Species - cold &

Genetics and Breeding of

Freshwater Fishes

Grouper & Snapper Hatchery & Larvae Management Immunology and Vaccines Information Technology in

Aquaculture

Innovation and High Techs Integrated Multi-trophic Aquaculture

Investment in Aquaculture Indonesian Aquaculture Session Marine Shimp Marketing & Trade Milk Fish Mollusc Broodstock and

Hatchery

Mollusc Cultivation Molluscan Genetics and

Genomes

Nutrition & Feed Ocean Acidification

Octopus and Cuttlefish

Offshore Aquaculture

Organic Aquaculture

Ornamentals

Other Marine Fish

Oyster

Pacific & Indigenous

Aquaculture

Pangasius, Clarias & Ictalurus Pearl and Queen Conch Culture

Physiology, Morphology &

Histology Plankton Culture

Policy & Regulations

Polyculture

Pond Culture

Prebiotics and Probiotics

Processing Technology

Product Quality

Raceway Systems

Recirculating Systems

Reservoir based Aquaculture

Salmonid & trout

Sea cucumbers and Urchins Seaweeds and Algae

Shellfish

Shrimp Farm Design and

Management

Shrimp Feeding and Nutrition Shrimp Genetics, Broodstock

and Hatchery Management Spatial Planning and Regulation Standards & Certification

Sustainable Development of

Aquaculture Tilapia (ISTA)

Tuna

Value Chain Development Wastage Utilisation

Water Quality and Usage Women in Aquaculture Yellowtails, Amberjacks, etc

Zebrafish

CALL FOR PAPERS – DEADLINE: December 31, 2015

ASIAN-PACIFIC AQUACULTURE 2016 encourages the submission of high quality oral and poster presentations. We strongly encourage authors to consider poster presentations because poster sessions will be an integral part of the program. Papers submitted for "oral presentation only" may not be accepted as oral presentations due to the limited number of available time slots. **All abstracts must be in English - the official language of the conference.**

Posters will have a featured and prominent place in ASIAN-PACIFIC AQUACULTURE 2016:

- Presenters that turn in the PDF or PowerPoint of their poster four weeks before the conference will have their poster reviewed at the end of the appropriate oral session.
- If turned in as stated above, the posters will also go on the conference website.
- Besides the two Happy Hours in the exhibits, there will be an additional Special Poster Viewing & Happy Hour on Friday.
- In the Program Book, special announcements will be made in the oral session lists of where relevant posters can be found.

Each oral presenter shall be entitled to no more than 15 minutes for a presentation, plus 5 minutes for questions. Authors of studies involving proprietary products or formulations should present this information in workshops or the trade show. Oral presentations should use Power Point. Overhead and slide projectors and video players will not be available or allowed.

All presenters are required to pay their own registration, accommodation and travel expenses. ASIAN-PACIFIC AQUACULTURE 2016 cannot subsidize registration fees, travel or hotel costs.

No Abstract Book will be printed - a USB will be given to registered attendees.

INSTRUCTIONS FOR PREPARATION OF ABSTRACTS

margin

E

Expanded Abstract Format - Please refer to the sample.

- TITLE OF PAPER: The paper title is printed in CAPITAL LETTERS, with the exception of scientific names which should be Upper/lower case and italicized (see sample). Scientific names should not be preceded or followed by commas or parentheses or other markings.
- 2. AUTHOR(S): The first name should be the presenting author. Use * after the presenting author. Type in upper/lower case.
- ADDRESS AND EMAIL: Type only the presenting author's institution, address and email. Type in upper/lower case.
- 4. MAXIMUM LENGTH: One Page
- PAGE SIZE: Standard A4 paper (210mm x 297mm = 8.27" x 11.69")(portrait)
- MARGINS: 1-inch margin throughout (left/right/top/bottom)
- 7. SPACING: Single spaced
- PARAGRAPHS: Paragraphs should be separated by a blank line and should not be indented.
- FONTS: Character fonts should be 12 point type.
- 10. PHOTOS, FIGURES & TABLES: Photo, figures and tables are highly recommended and they may be in color. They should be reduced to the appropriate size to fit a one page abstract and should be clearly readable at the reduced size. The reduced figures and tables should be included in the abstract.

2.5 cm margin

EVALUATION OF JUVENILE AUSTRALIAN RED CLAW CRAYFISH Cherax quadricarinatus FED PRACTICAL DIETS WITH AND WITHOUT SUPPLEMENTAL LECITHIN AND/OR CHOLESTEROL

Laura A. Muzinic*, Kenneth R. Thompson, Tracey Christian, Carl D. Webster, Lukas Manomaitis, and David B. Rouse

Aquaculture Research Center Kentucky State University Frankfort, KY 40601 lmuzinic@dcr.net

Red claw crayfish (Cherax quadricarinatus) are one of more than a hundred crayfish. However, because of its rapid growth rate, ease of spawning, widen per complete and dissolved oxygen tolerance, and lack of a larval stage, red claw may be the best candidate for turner. Whe United States. Red claw are only being investigated as an aquaculture species in this country information exists on their nutritional requirements and practical diet formulations ince many critical may be the properties of the species. The present study was conducted to detect the nutrient requirements of the species. The present study was conducted to detect the nutrient requirements of the species. The present study was conducted to detect the nutrient requirements of the species. The present study was conducted to detect the nutrient requirements of the species. The present study was conducted to detect the nutrient requirements of the species. The present study was conducted to detect the nutrient requirements of the species. The present study was conducted to detect the nutrient requirements of the species. The present study was conducted to detect the nutrient requirements of the species. The present study was conducted to detect the nutrient requirements of the species. The present study was conducted to detect the nutrient requirements of the species. The present study was conducted to detect the nutrient requirements of the species. The present study was conducted to detect the nutrient requirements of the species. The present study was conducted to detect the nutrient requirements of the species and the nutrient requirements of the species. The present study was conducted to detect the nutrient requirements of the species and the nutrient requirements of the species

An 8-week feeding trial was conducted in a recircular rch div system with newly-hatched juvenile (r van. weight of 0.2 g) red claw, each stocked plastic mesh culture units. Individu units wen an in within fiberglass tanks, each of water line. Water was recircula and mechanical filters. Water tempe at 27-29°C and light as proviological as aintained d by overhead fluorescent ceiling chts cycle. Ammonia, n alkalinity chlorida our light:dark cycle. Ammonia, n alkalinity, chlorides, and pH w xygen, temperature neasured three times dy was to examine the per week. The goal of dy was to examine the effects of growth performance of newly-hatched juvenile red claw when fed four practical diets with or without cholesterol and lecithin. Other practical diets included menhaden fish meal, soybean meal, shrimp meal, wheat flour, vitamin and mineral mix, pellet binder, cod liver oil, and corn oil (Table 1).

After 8 weeks, red claw crayfish fed a practical diet without cholesterol (Diet 3) had significantly (P < 0.05) lower final weight, percentage weight gain, and specific growth rate (SGR) compared to crayfish fed all other diets (Table 2). These results indicate that a practical diet containing 2% cod liver oil and 1% corn oil and having no lecithin appears to be sufficient and that lecithin may not be necessary for juvenile red claw diets.

TABLE 1. Formulation of experimental diets fed to red claw crayfish.

.5 cm margin 6uol wo 2'62

TABLE 2. Final weight, percentage weight gain, specific growth rate (SGR), and percentage survival of red claw crayfish fed four practical diets. Means in a column with different letters were significantly different (P < 0.05)

Diet

2.5 cm margin

21 cm wide

PLEASE SUBMIT YOUR ABSTRACT ONLINE



REGISTRATION FORM

ASIAN-PACIFIC AQUACULTURE 2016 April 26-29, 2016



SAVE TIME - REGISTER ONLINE

SAVETIME - REGISTER ONLINE

- Register Online
- Please return **both sides** of this form with payment to one of the addresses above (depending on the currency used).
- Registration can be faxed (Fax: +1-760-751-5003) if paying by credit card. (Fax both sides).
- Use one form per person. Please copy this form for additional people.
- Cancelled registrations will receive a refund minus 20% handling. Cancellations must be in writing and be received by April 10, 2016
 Refunds will be issued after the conference.

Tieranas will be issued after the conference				
PLE	ASE PRINT CLEARLY OR T	YPE ALL REQUESTED II	NFORMATION	
NAME BADGE INFORMATION: (As you wa	nt your name badge to read	d – No titles, please)		
First Name	SUI	RNAME (FAMILY NAME)		
Company or Institution				
(Limited to 40 Lett	. ,			
City	State/	Prov	Country	
MAILING INFORMATION: Email	ude email address)			
Address				
City	State / Prov	Postal Code	Count	ry
Phone	Fax		Title: (circle one)	Dr. Mr. Ms. Mrs
(Include country and city code)		country and city code)		
TYPE OF REGISTRATION FULL CONFERENCE & TRADE SHOW In order to receive the pre-Registration discount rate, thi	Register by February 20, 2016 s form and payment must be rece	Register by April 10, 2016 eived by the date above.	Register after April 10, 2016	* To qualify for Member Rate you <u>must</u> complet
ASSOCIATION MEMBER RATE*	US\$ 325	US\$ 395	US\$ 490	the Association Memberships section
STUDENT MEMBER RATE* Include copy of Student I.D.	US\$ 165	US\$ 165	US\$ 195	on the reverse side.
Non-Member Rate	US\$ 425	US\$ 495	US\$ 590	Trade Show is <u>included</u> in the Full Conference
Student Non-Member Rate Include copy of Student I.D. You can join WAS on the reverse side and use the Member Rate.	US\$ 215	US\$ 215	US\$ 255	Registration Rate.
Spouse Rate	US\$ 255	US\$ 345	US\$ 395	_ TOTAL REGISTRATION FEE
Name TRADE SHOW PASS – Good for 3 days adm				Full Conference Registration
THADE SHOW FASS - Good for 5 days autil	ission to exhibits only – April .	· · · —	TAL TRADE SHOW PASS	US\$
INDUSTRY TOURS – Information to come				
				US\$
MEMBERSHIP DUES – Enter amount from N	Membership Application on oth	er side if applicable.		US\$
Do not mail registration after March 10 After April 10, bring this form with you	, 2016 or fax after April 1	0	TOTAL AMOUNT	
REGISTRATION CONFIRM	AATION AND REG	EIPT WILL BE	EMAILED AFTER	PROCESSING.
AYMENT METHOD: All fees must be pai	d to the order of ASIAN-PACIF	IC AQUACULTURE 2016 w	ithout charges for the benefi	ciary.
Check #	☐ Visa ☐ Masterc		xpress Discover	Diners Club
Card #				
Name on Card	Date	Signatu	re	
Credit Card Billing Address				

For bank transfer details, contact us.

Return address for payments in USD:

REGISTRATION FORM - SIDE 2

Name

ASSOCIATION MEMBERSHIPS: Please check all boxes Membership in any of those associations qualifies you for association at any time before registering to qualify for the	the Member Rate on the Registration Fees. You can join an			
 □ Americas Tilapia Alliance □ American Veterinary Medical Association □ AQUABIO □ Aquaculture Association of Canada □ Aquacultural Engineering Society □ Aquaculture Without Frontiers □ Asian Fisheries Society □ Asian-Pacific Chapter WAS □ California Aquaculture Association □ Catfish Farmers of America □ China Society of Fisheries □ Egyptian Aquaculture Society □ European Aquaculture Society □ Fish Culture Section - AFS □ Global Aquaculture Alliance □ Indonesian Aquaculture Society □ International Assn of Aquaculture Economics and Mgmt □ IAFI - The Intn'l Assn of Seafood Professionals □ Korean Aquaculture Society 	 □ Korea Chapter, WAS □ Latin American & Caribbean Chapter WAS □ Malaysian Fisheries Society □ National Aquaculture Association □ National Aquaculture Council of Australia □ National Association of State Aquaculture Coordinators □ Sociedad Brasiliera de Acuicultura □ Society of Aquaculture Professionals □ Spanish Aquaculture Association □ Sociedad Brasiliera de Acuicultura □ Striped Bass Growers Association □ US Marine Shrimp Association □ US Chapter of WAS (USAS) □ US Trout Farmers Association □ World Aquaculture Society (WAS) □ World Aquatic Veterinary Medical Association □ World Oyster Society □ Zebrafish Husbandry Association 			
MEMBERSHIP APPLICATIONS IN NEW APPLICA	ATION RENEWAL			
WORLD AQUACULTURE SOCIETY (WAS) APPLICATION www.was.org For details on the different types of memberships and options, please contact the WAS home office at Tel: +1-225-578-3137 Fax: +1-225-578-3493 Email: judya@was.org MEMBERSHIP CATEGORY: (Indicate only one) Individual (Electronic JWAS) (USD 65/yr) Applies to an individual only Individual (Printed JWAS) (USD 85/yr) Applies to an individual only Student (Electronic JWAS) (USD 45/yr) (Copy of Student ID or Signature of Professor required) Www.was.org CHAPTER OPTIONS: (Must have active membership in one of the categories at left) Please mark the Chapter you choose that is included in your dues above. You can join more				

chapters by adding USD 5 per extra chapter.

□ Latin American/Carribean (USD 5)

☐ United States (USAS) (USD 5)

If you mark none, you can deduct USD 5.

■ Asian Pacific (USD 5)

☐ Korea (USD 5)

■ None

Printed publications not included. Cannot have been a regular member in the last five years.

Total Amount for WAS Membership

WSD

Fees for memberships are non-refundable.

Please enter this amount under "Membership Dues" section on opposite side of this form.

■ **Student** (Printed JWAS) (USD 65/yr) (Copy of Student ID or Signature of Professor required)

□ Corporate (Electronic JWAS) (USD 255/yr) Allows all employees of one company to attend meeting at Member Rate

□ Corporate (Printed JWAS) (USD 275/yr) Allows all employees of one company to attend meeting at Member Rate

■ **Sustaining** (Electronic JWAS) (USD 105/yr) Applies to any <u>one</u> individual from a company **Sustaining** (Printed JWAS) (USD 125/yr) Applies to any <u>one</u> individual from a company

Lifetime (Electronic JWAS only) (USD 1100/yr) Applies to an individual only

Chapter membership not included. No member discount on conferences.

■ **E membership** (USD 10/yr) Full access to the WAS website and Member's Area.



MANY OPPORTUNITIES FOR FARM TOURS

Some very special tours will be set up by the Indonesian Associations. Details to be provided later – check our website for updates.



FOR MORE INFORMATION:

ASIAN-PACIFIC AQUACULTURE 2016

Conference Manager P.O. Box 2302

Valley Center, CA 92082 USA

Ouestions:?

Tel: +1-760-751-5005

Fax: +1-760-751-5003

TENTATIVE SCHEDULE

Tuesday, April 26

Registration Open	Noon - 6:30 pm	
Exhibitor Move-in	Noon - 6:00 pm	
Exhibition open	6:00 pm - 8:30 pm	
FITA/Indoaqua	9:00 am - 5:00 pm	
Poster Set-up	1:00 pm - 5:30 pm	
WAS-APC AGM	4:00 pm - 7:30 pm	
Openingsceremony	7:30 pm - 8:00 pm	
Welcome Reception	8:00 pm - 9:00 pm	

WEDNESDAY, APRIL 27

Registration Open	7:30 am - 5:00 pm
Plenary Session	9:00 am - 10:20 am
Poster Set-up	8:00 am - 10:00 am
Refreshment Break	10:20 am - 11:00 am
Trade Show & Posters Open	10:00 am - 6:30 pm
Sessions	11:00 am - 12:20 pm
Lunch (On your own)	12:20 pm - 1:50 pm
Sessions	1:50 pm - 3:30 pm
Refreshment Break	3:30 pm - 4:00 pm
Sessions	4:00 pm - 5:20 pm
Happy Hour & Poster Session	5:20 pm - 6:30 pm
Student Forum	7:30 am - 9:00 pm

THURSDAY, APRIL 28

Registration Open	7:30 am - 5:00 pm 9:00 am - 10:20 am 10:20 am - 11:00 am
Trade Show & Posters Open	10:00 am - 5:30 pm
Sessions	11:00 am - 12:20 pm
Lunch (On your own)	12:20 pm - 1:50 pm
Refreshment Break	3:30 pm - 4:00 pm
Sessions	4:00 pm - 5:20 pm
WAS-APC Members meeting	5:30 pm - 6:30 pm
Presidents Reception	7:30 pm - 9:30 pm

FRIDAY, APRIL 29

Registration Open	7:30 am -	5:00 pm
Sessions	9:00 am - 1	11:20 am
Trade Show & Posters Open	10:00 am -	4:00 pm
Lunch (On your own)	11:20 pm -	1:30 pm
Sessions	1:30 pm -	3:30 pm
Refreshment Break	3:30 pm -	4:00 pm
Sessions	4:00 pm -	5:20 pm
Closing Happy Hour	5:20 pm -	6:30 pm

YOUR FULL CONFERENCE REGISTRATION INCLUDES:

- Only pre-registered attendees are guaranteed materials
- Admission to all sessions, seminars and the trade show.
- * Admission to the Reception.
- Conference bag, Abstract USB and Show Directory (except for spouse)
- A Refreshment Breaks and Cash Bar Happy Hour
- Students receive the full registration package plus the Student Reception. To qualify for the student rate, a copy of your student I.D. is required.