

# Evaluation of Feeding Program for Infants and Children (PMBA) for StuntingChildren in Lombok

*by* Lina Nurbaiti

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# Program and Abstract Book 2020 ICBB

The 3<sup>rd</sup> International Conference  
on Bioscience and Biotechnology

*"Bioscience and Biotechnology Research for Environmental Sustainability"*



Bioscience and Biotechnology Research Center  
Faculty of Mathematics and Natural Sciences  
University of Mataram  
In Collaboration With:



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**WELCOME ADDRESS  
RECTOR OF MATARAM UNIVERSITY**

*Assalumu'alaikum Wr.Wb*

Ladies and Gentleman, Good Morning



First of all, let us thank Allah, the Almighty, for blessing and guiding us into the right path, and for granting all means and opportunities together here to attend this very meaningful occasion.

On behalf of University of Mataram, we are greatly honored and pleased to welcome you all to the 3<sup>rd</sup> International Conference on Bioscience and Biotechnology (ICBB2020) with topic on "Bioscience and Biotechnology Research for Environmental Sustainability". As we know, the world today is facing many challenges especially those related to environmental issues and problems. We must address the sustainability agenda to deliver improvements to meet these challenges. Today, with the public and private sectors, non-governmental and intergovernmental organizations, scientists, engineers, medical doctors, professionals in social studies such as law, business and policy makers must work and discuss together on the application of knowledge to convert resources into products and services without compromising the ability of future generations to cope with their needs.

The current progress in the field of bioscience and biotechnology offer possibilities for research development in the scope of agriculture, animal science, health, and food. The main goal is to improve and enhance human life expectancies with their environment, as well as to conserve, evaluate, and utilize other aspects related to human benefit. Therefore, integration of disciplines into research and development is essential. To accommodate the integrative efforts, this conference is held to share the development of research innovation and application of those fundamental sciences from researchers and academics from around the world.

The conference will invite notable keynote speakers for discussing the currently selected topics from their research background and experiences. We would like to extend our gratitude especially to Prof Lim Phaik Eem from Malaya Univeristy, Malaysia; Prof dr. Akhiro Hazama from Fukushima Medical University, Japan; Prof Julian Heyes from Massey University, New Zealand; Prof Deo Florence Onda from the University of Phillipines, Phillipines; and Prof Jong Min-Lee from Nanyang Technological University, Singapore.

Continuing the successful conference last year we are hoping to facilitate a good academic atmosphere during the conference as well as inspiring the young researchers and interested observers to be involved actively in the progress of biotechnology and biological sciences.

Also, in accordance with the vision and mission of UNRAM to become a world-class research university, this international conference is one among many efforts to make this vision and mission come true. Hopefully, we all can significantly give more contributions to the nation advancement in the not-too-distance future. To all of our distinguished guests and participants, thank you for being here, welcome, and enjoy the conference!

**Prof. Dr. L. Husni, S.H., M.Hum**

Rector of Mataram University

## PREFACE

Bismillaahirrahmanirrahiim

Assalamu'alaikum warahmatullah wabarakaatuh

Peace be upon us,



All Praises to God Almighty for giving us the health, welfare, and opportunity so that we all can meet here in "The 3<sup>rd</sup> International Conference on Bioscience and Biotechnology (ICBB) 2020". The theme of this conference is "Bioscience and Biotechnology Research for Environmental Sustainability" where this conference has financial support from Ministry of Research, Technology and Higher Education". This conference will be held for three days, from 12<sup>th</sup> to 14<sup>th</sup> October 2020.

So far, we received more one hundred papers from various universities and research institutions in Indonesia and from overseas. The paper have been selected and grouped based on the similarity of the research field, which then are presented and discussed. Presentation of the papers will be held in 3 groups parallel classes and poster presentation. The selected papers will be published in International Journal index by Scopus, National accreditation Journal and the rest will be published in the Conference Proceeding index by Scopus.

At this moment, the organizing committee would like to express our gratitude to all of you for your participation on this conference, especially to the all keynote speakers, presenters who have submitted for both oral and posters presentations and also to all participants. Our special gratitude also goes to the Rector of Mataram University, Prof Lim Phaik Eem from Malaya Univeristy, Malaysia; Prof dr. Akhiro Hazama from Fukushima Medical University, Japan; Prof Julian Heyes from Massey University, New Zealand; Prof Deo Florence Onda from the University of Phillipines, Phillipines; and Prof Jong Min-Lee from Nanyang Technological University, Singapore. Critics and suggestions on the implementation of this conference will be appreciated and as much as possible we will improve the next ICBB. Last but not least, the organizing committee would like to thank to all of you who have supported this conference.

Have an enjoyable conference.

Wassalamu'alaikum warohmatullahi wabarakatuh

**Prof. Ir. H. Sunarpi, Ph.D**

Chairman of 3<sup>rd</sup> ICBB 2020



### Organizing Committee

<b>Person in Charge</b>	Prof. Dr. L. Husni, S.H., M.Hum
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	Angga Susmana Abidin
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	apt. Anggit L. Sunarwidhi., MSc, Ph.D.
	Bq Tri Khairina Ilhami, S.Si., M.Si.
<b>Social and documentation</b>	Indah Alibiah Putri Kirana
	Seli Rahmawanti
<b>Artwork</b>	Yogi Ambana
	Amrul Jihadi, S.P., M.Si.

## ICBB2020 PROGRAM OVERVIEW

Time (GMT+8; AM)		12 <sup>th</sup> October 2020		
08.00-09.00	Registration	Committee		
09.00-09.10	Opening	MC: Hilda Astriana, S. Si., M. Si		
09.10-09.15	Opening Ceremony "Indonesia Raya"	All Participant		
09.15-09.25	Dua/Praying	Khairul Umam, SH., M.H		
09.25-09.45	Opening Chairman of ICBB 2020 (Prof. Ir. H. Sunarpi, Ph.D)			
09.45-10.00	Opening Remarks (Prof. Dr. Lalu Husni, M.Hum)	Rector of Mataram University		
10.00-10.30	Keynote Speaker 1 (Prof. Julian Heyes, DPhil)	Moderator:		
10.30-11.00	Keynote Speaker 2 (Prof. Lim Phaik Eem, PhD)	Prof Sri Widyastuti, Ph.D		
11.00-11.30	QnA			
11.30-13.00	Breakout Session			
<b>Parallel Session I</b>				
13.00-15.30	<b>Host I</b>	<b>Host II</b>	<b>Host III</b>	
	<b>Moderator :</b> Prof. I Komang Damar Jaya, PhD	<b>Moderator:</b> Prof. Ir. Sulaiman Ngongu D. PhD	<b>Moderator:</b> Dr. Bambang Fajar Suryadi	
	<b>Room: Agriculture</b> Code : AG	<b>Room: Health</b> Code : HS	<b>Room: Natural Sciences</b> Code : NS	
	<b>ICBB2020-004:</b> The Comparative Analysis of Row Proportions and The Effect on Nutrient Status Maize and Soybean Intercropping in Sandy Soil of North Lombok, Indonesia <b>W Astiko, N M I Ernawati, I P Silawibawa</b> <i>University of Mataram</i>	<b>ICBB2020-047:</b> Trends in Hemoglobin Levels in Patients With Nasopharyngeal Cancer Who Received Chemotherapy in NTB <b>Ima Arum Lestari, Hamsu Kadriyan, Muhammad Alfian Sulaksana, Muhammad Sultan Ardhi, Ida Lestari Harahap, Titi Pambudi Karuniawati, Niti Wedayani</b> <i>University of Mataram</i>	<b>ICBB2020-094:</b> Application of <i>Sargassum crassifolium</i> Extract as a Natural Antimicrobial Agent for Chicken Egg Decontamination <b>Mutia Devi Ariyana, Ghalib Rifaldi Dharmita, Nazaruddin</b> <i>University of Mataram</i>	
	<b>ICBB2020-005:</b> Smart Solar Powered Hydroponics System using Internet of Things and Fuzzy Association Rule Mining <b>Wirarama Wedashwara, Andy Hidayat Jatmika, Ariyan Zubaidi</b> <i>University of Mataram</i>	<b>ICBB2020-091:</b> Lipidomics analysis of Endocannabinoid profile in inflamed skin <b>Anggit L. Sunarwidhi, Alexandra Kendall, Suzanne Pilkington, Catherine O'Neill, Anna Nicolau</b> <i>University of Manchester</i>	<b>ICBB2020-026:</b> Phytochemical Screening and Antioxidant Activity of Gyrinops Tea from Agarwood Plantation on Lombok Island, Indonesia <b>I G. A. S. Wangiyana, Supriadi, A. Nikmatullah, Sunarpi, D.S Putri</b> <i>Universitas Pendidikan Mandalika</i>	
	<b>ICBB2020-024:</b> Response Of Three Maize ( <i>Zea Mays L.</i> ) Varieties to the Phonska Rates on Inceptosols of Lombok <b>IGM. Kusnarta and W. Sudika</b> <i>University of Mataram</i>	<b>ICBB2020-023:</b> The Density Functional Theory Study of Astaxanthin-Metal Complex to Native and Glycated Human Serum Albumin <b>S. Wibowo, S.Widyarti, A.Sabarudin, DS Soeatmadji, SB Sumitro</b> <i>Brawijaya University</i>	<b>ICBB2020-011:</b> Phenol Contents, Vitamin C, and Hedonic Test Tatat Leaf Tea Like ( <i>Bauhinia Semibifida</i> ) from Different Preparation and Drying <b>Dian Fitriarni</b> <i>Politeknik Negeri Ketapang</i>	
	<b>ICBB2020-037:</b> The Growth and Production Responses of Shallot ( <i>Allium ascalonicum L.</i> ) on The K Fertilizer Application in The Peat Land <b>Suparman and Twenty Liana</b> <i>Indonesian Agency for Agricultural Research and Development, Ministry of Agriculture</i>	<b>ICBB2020-089:</b> Estrogen Receptors Status and Its Correlation with Age , Tumor Size and Histologic Grade of Invasive Ductal Type Breast Cancer in West Nusa Tenggara <b>Fathul Djannah and Novrita Padauleng</b> <i>University of Mataram</i>	<b>ICBB2020-007:</b> Laboratory Activities for Natural Product Chemistry <b>Aliefman Hakim, A. Wahab Jufri, Jamaluddin</b> <i>University of Mataram</i>	
	<b>ICBB2020-001:</b> Design of Temperature and Humidity Control of Miniature Oyster Mushrooms Using Wemos D1 Microcontroller Based on Internet of Things (IOT) <b>Diah Ajeng Setiawati, Murad, Suryansa Gunali Utomo, Guyup Mahardhian, Dwi Putra</b> <i>University of Mataram</i>	<b>ICBB2020-067:</b> The Effect of Tamsulosin and Dutasteride Combination Drug Therapy on Prostate Volume in Patients With Benign Prostatic Hyperplasia <b>Pandu Ishaq Nandana, Lalu Rizky Adipura, Haerani Rasyid</b> <i>University of Mataram</i>	<b>ICBB2020-058:</b> Genetic diversity of <i>Lithocarpus</i> sp. population at Taman Nasional Gunung Merapi based on RAPD analysis <b>Maria Setiyo Cahyani, Purnamila Sulistyawati, AYPBC Widyatmoko, Suhendra Pakpahan, Dhira Satwika</b> <i>Universitas Kristen Duta Wacana</i>	
<b>ICBB2020-092:</b> Growth and Yield of Carrot Plants Under Eco-Friendly Cultivation Method: Effects of Variety, Potting Media and Planting Density <b>Aluh Nikmatullah, M. Zaenuddin Syahril Sidiq, Riema Rimanda Putri, Rizkiani Dwi Lestari, Karwati Zawani, Khaerul Muslim, Herman Suheri</b> <i>University of Mataram</i>	<b>ICBB2020-035:</b> The Association between Duration of Daily Contact and Working Period to extended-spectrum beta-lactamase Producing <i>Escherichia coli</i> (ESBL-Ec) Colonization in Poultry Workers, Teruwai Poultry Village <b>EH Wardoyo, IW Suardana, IWS Yasa, IDM Sukrama, K Kuntaman, SAE John, E Triani</b> <i>University of Mataram</i>	<b>ICBB2020-048:</b> The Effect Propolis Concentration on Chemical, Microbiological, and Organoleptic Qualities of Yoghurt <b>M Amaro, Nazaruddin, N Rahmayani</b> <i>University of Mataram</i>		

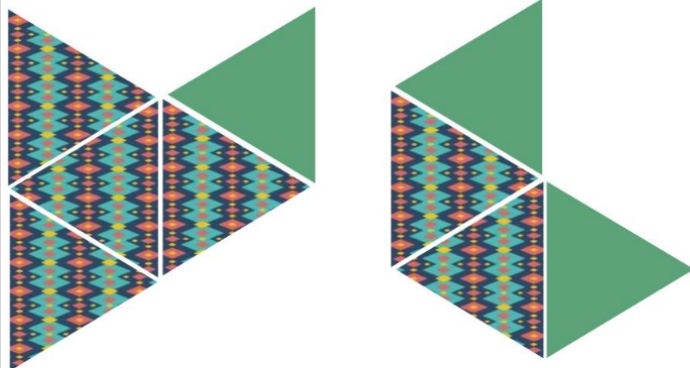
	<p><b>ICBB2020-040:</b> Improving Maize (<i>Zea mays</i> L.) Growth and Yield by the Application of Inorganic and Organic Fertilizers Plus</p> <p><b>Mulyati, Baharuddin A.B, Tejowulan R.S</b>  <i>University of Mataram</i></p>	<p><b>ICBB2020-080:</b> Anticancer Activity of <i>Curcuma xanthorrhiza</i> Active Compound in Cancer Cells via Bcl-2 Inhibition</p> <p><b>Nur Fitriana, Masruri, Muhaimin Rifa'i, Nashi Widodo</b>  <i>Brawijaya University</i></p>	<p><b>ICBB2020-003:</b> The Richness and Diversity of Dragonfly Species at Various Habitat Types in Suranadi Natural Park, West Lombok, Indonesia</p> <p><b>Mohammad Liwa Ilhamdi, Agil Al Idrus, Didik Santoso</b>  <i>University of Mataram</i></p>
15.30-15.45	Breakout Session		
	<b>Parallel Session II</b>		
	<b>Host I</b>	<b>Host II</b>	<b>Host III</b>
	<p><b>Moderator :</b>  <b>Prof. I Komang Damar Jaya, PhD</b></p>	<p><b>Moderator:</b>  <b>Prof. Sulaiman Ngongu D, Ph.D</b></p>	<p><b>Moderator:</b>  <b>Dr. Bambang Fajar Suryadi</b></p>
	<p><b>Room: Agriculture</b>  <b>Code : AG</b></p>	<p><b>Room: Health</b>  <b>Code : HS</b></p>	<p><b>Room: Natural Sciences</b>  <b>Code : NS</b></p>
15.45-17.00	<p><b>ICBB2020-033:</b> Resistance of FI Interspecific Crosses Kenaf Results to Root-Knot Nematode (<i>M. incognita</i>)</p> <p><b>Parnidi, Naufal Zaki, Lita Soetopo, Damanhuri, Marjani</b>  <i>Brawijaya University</i></p>	<p><b>ICBB2020-010:</b> Analisis Cytology Features With <i>Monocyte-Lymphocyte Ratio</i> of Limfadinitis Tuberculosis in West Nusa Tenggara</p> <p><b>Fathul Djannah, A.A Ngurah Bagus Nugraha, Catarina Budyono</b>  <i>University of Mataram</i></p>	<p><b>ICBB2020-002:</b> Comparison of Antimicrobial Activities of Ehanol Extract From Three Species of Ganoderma Original Lombok Island</p> <p><b>Faturrahman, Sukiman, Bambang Fajar Suryadi, Sarkono, Ernin Hidayati</b>  <i>University of Mataram</i></p>
	<p><b>ICBB2020-076:</b> A Comparative Study on Assessing Rodent Damage Intensity in Rice Crop Based on Two Different Methods</p> <p><b>Rachmawati, Tedi Purnawan, Nur 'Aini Herawati</b>  <i>Indonesian Center for Rice Research</i></p>	<p><b>ICBB2020-016:</b> Risk factors and characteristics of laryngeal carcinoma in the developing region of Indonesia</p> <p><b>Hamsu Kadriyan, Mochammad Alfian Sulaksana, I Gusti Ayu Trisna Aryani, Didit Yudhanto, Eka Arie Yuliani, Ida Lestari Harahap, AA Niti Wedayani</b>  <i>University of Mataram</i></p>	<p><b>ICBB2020-027:</b> Correlation Quantity of Fish Floating Cage and Water Quality With The Reduction of Endemic Fish in Maninjau Lake, West Sumatra</p> <p><b>Reni Nastuti, Tri Retnaningsih, Sudarno Utomo</b>  <i>Diponegoro University</i></p>
	<p><b>ICBB2020-093:</b> Growth and Yield of Potato Plant (<i>Solanum Tuberosum</i> L.) in the Medium Latitude Treated With Biofertilizer Extragent</p> <p><b>Nurlaili, Aluh Nikmatullah, Mansur Mas'hum</b>  <i>University of Mataram</i></p>	<p><b>ICBB2020-020:</b> Characteristic of Postmortem Swab Probable Covid-19 Victim by Rapid Molecular Testing</p> <p><b>A Syamsun, H Kadriyan, FR Andiwijaya, I Hunai, NPS Lestari, SK Sari, H Mahaputra, B Setia</b>  <i>University of Mataram</i></p>	

	<b>13<sup>th</sup> October 2020</b>		
<b>Time (GMT+8; AM)</b>			
08.00-09.00	Registration	Committee	
09.00-09.30	Opening	MC: Hilda Astriana, S. Si., M. Si	
09.30-10.00	Keynote Speaker 3 ( <b>Prof. Akihiro Hazama MD, PhD</b> )	Moderator:	
10.00-10.30	Keynote Speaker 4 ( <b>Prof. Jong-Min Lee, PhD</b> )	Prof. Ir. Sulaiman Ngongu D. Ph.D	
10.30-11.00	Keynote Speaker 5 ( <b>Eka S. Prasedya, PhD</b> )		
11.00-12.00	QnA		
12.00-13.00	Breakout Session		
	<b>Parallel Session I</b>		
	<p><b>Moderator:</b>  <b>Ir. Aluh Nikmatullah, PhD</b></p>	<p><b>Moderator:</b>  <b>Anggit L. Sunarwidhi, PhD. Apt.</b></p>	<p><b>Moderator:</b>  <b>Prof. Sri Widyastuti, PhD</b></p>
	<p><b>Room: Agriculture</b>  <b>Code : AG</b></p>	<p><b>Room: Health Sciences</b>  <b>Code : HS</b></p>	<p><b>Room: Natural Sciences</b>  <b>Code : NS</b></p>
13.00-15.30	<p><b>ICBB2020-050:</b> Morpho-Physiological Responses of Brown Seeded Soybean Genotypes Under Low Light Intensity</p> <p><b>Kisman, IGP Muliarta Aryana, Bambang Budi Santoso, Lolita Endang Suslawati</b>  <i>University of Mataram</i></p>	<p><b>ICBB2020-063:</b> The Potency and Conservation of Medicine Plants in Central Kalimantan</p> <p><b>Ronny Yuniar Galingging, Purwandari S, T. Hijrah</b>  <i>Assessment Institute for Agricultural Technology (AIAT)</i></p>	<p><b>ICBB2020-021:</b> The Use of a Very Small Bussines-Scale Oven to Enhance the Quality of "Ready-to-eat" Beef Jerky</p> <p><b>Baiq Rien Handayani, Sri Widyastuti, Kertanegara, Asri Hidayati, Wiharyani Werdiningsih, Novitasari, Anugrah R Ekaputri</b>  <i>University of Mataram</i></p>
	<p><b>ICBB2020-054:</b> Effects of Mycorrhiza Biofertilizer and Additive Intercropping with Peanut on Growth, Bulb Formation, N and P Contents of Several Varieties of Shallot</p> <p><b>Wayan Wangiyana, I Komang Damar Jaya, Sunarpi</b>  <i>University of Mataram</i></p>	<p><b>ICBB2020-065:</b> Peculiar Growth of <i>Pseudomonas</i> sp. LS3K With the Addition of Untreated Tannery Wastewater</p> <p><b>Nanung Agus Fitriyanto, Wirasti Karenia Nursyabani, Ragil Adi Prasetyo, Mohammad Zainal Abidin, Yuny Erwanto, Novita Kurniawati</b>  <i>Gadjah Mada University</i></p>	<p><b>ICBB2020-043:</b> Observation of Heavy Metal Hazard on Processing Frozen Oilfish (<i>Lepidocybium Flavobrunneum</i>) Fillets</p> <p><b>Yuliati H. Sipahutar, Widodo Sumiyanto, Rizqi Khaerudin, M R Suryanto</b>  <i>Politeknik Ahli Usaha Perikanan</i></p>
	<p><b>ICBB2020-056:</b> Application of Silicon Foliar Spray to Increase Growth and Yield of Shallot (<i>Allium Ascalonicum</i> L) Under Sprinkler and Furrow Irrigation System</p> <p><b>Lia Hadiawati, Titin Sugianti, Fitria</b></p>	<p><b>ICBB2020-084:</b> Application of Crude Natural Enzymes for Extraction of Wali Seed [<i>Brucea Javanica</i> (L) Merr]</p> <p><b>Handa Muliawati, Agus Dwi Ananto, Rizqa F. Deccati, Diva Almira, Solahuddin</b></p>	<p><b>ICBB2020-079:</b> Optimization of Mechanical Properties of Bioplastics with the Addition of ZnO and Glycerol Plasticizers</p> <p><b>Ida Ayu Widhiantari, Agriananta Fahmi Hidayat, Diah Ajeng Setiawati</b>  <i>University of Mataram</i></p>

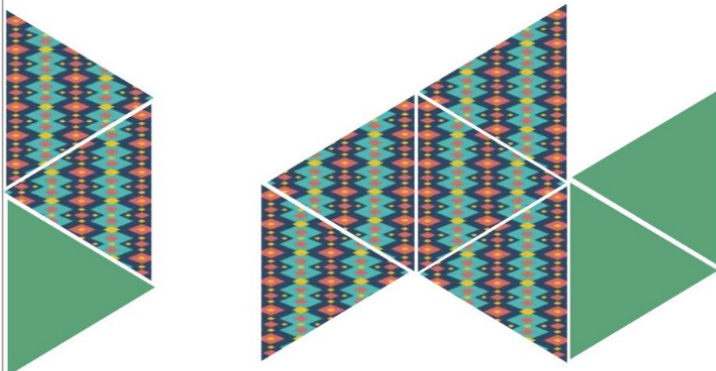
	<p><b>Zulhaedar, Ahmad Suriadi</b>                      Assessment Institute for Agricultural Technology, West Nusa Tenggara</p>	<p>University of Mataram</p>	
	<p><b>ICBB2020-034:</b> Ultrasound-assisted production of corn starch: Process design and optimization   <b>Rohmah Nur Fathimah, Ahmad Fawwaz Al Ishlahi, Muhammad Nur Cahyanto, Widiastuti Setyaningsih</b>                      Gadjah Mada University</p>	<p><b>ICBB2020-031:</b> An Aphrodisiac compound found in wild Kemangi (<i>Ocimum spp.</i>) in Bali   <b>I Gede Putu Wirawan, Ida Ayu Dianggi, Maria Maliga Vernanades Sasadara, Ida Ayu Putri Darmawati, Nyoman Wijaya</b>                      Udayana University</p>	<p><b>ICBB2020-022:</b> Good Agricultural and Postharvest Handling Practices of Cocoa Pods in Lombok to Meet Cocoa Bean Quality for Global Market   <b>Zainuri, Taslim Sjah, Nedia Prameswari, Wiharyani Werdinginsih, Tarmizi</b>                      University of Mataram</p>
	<p><b>ICBB2020-041:</b> Mungbean-Maize Rotation Improved Soil Properties and Maize Yield in a Dryland   <b>I Komang Damar Jaya, Sudirman, I Wayan Sudika</b>                      University of Mataram</p>	<p><b>ICBB2020-049:</b> Effect of Giving <i>Rhizophora Sp</i> Mangrove Leaves Extract Against Reducing of Blood Glucose Levels in Mice <i>Mus musculus in-vivo</i>   <b>A Efendi, Aini, Idham Halid, Jumari Ustiawaty</b>                      Polytechnic of Medica Farma Husada</p>	<p><b>ICBB2020-086:</b> Investigation of Causes of Neonatal Mortality in Bali Cattle on Sumbawa Island   <b>M Sriasih, P J Back, W E Pomroy, S T Morris, R E Hickson, Dahlanuddin, L A Zaenuri, R Soebari, M Kurniawan, S Qamar</b>                      University of Mataram</p>
	<p><b>ICBB2020-069:</b> Soil Nematodes of the Duku (<i>Lansium domesticum</i> Corr.) Orchard in Tabalong District, South Kalimantan   <b>Betris Fitria Marga and Abdul Gafur</b>                      Universitas Lambung Mangkurat</p>	<p><b>ICBB2020-009:</b> Profiling and Histopatology Features of Top Three Cassess of Extra Pulmonary Tuberculosis in West Nusa Tenggara   <b>Fathul Djannah</b>                      University of Mataram</p>	<p><b>ICBB2020-090:</b> Bali Cattle Breeding in an Open Core Form Based on Group House in Lombok Island West Nusa Tenggara   <b>Bulkaini and Ahmad Jupri</b>                      University of Mataram</p>
	<p><b>ICBB2020-029:</b> Developing Porang Agribusiness for Multiple Stakeholder Benefits and Supporting Sustainable Development in Dryland Areas of Lombok   <b>Taslim Sjah, Halil, I Ketut Budastra, I Gusti Lanang Parta Tanaya</b>                      University of Mataram</p>	<p><b>ICBB2020-085:</b> Comparison of Digestion Methods for Determination of Selenium In Green Tea Samples Using Fluorescent Spectrometry   <b>Siti Raudhatul Kamali, Tsai Che Hao, Chen Chang-Nan</b>                      Chaoyang University of Technology</p>	<p><b>ICBB2020-057:</b> The Effects of Fermenters and Incubation Periods on Chemical Composition of Mixtures of Rice Bran and Water Hyacinth Leaves   <b>Wahyu Karyani, Syamsuhaidi, K.G. Wiryawan</b>                      University of Mataram</p>
15.30-15.45	Breakout Session		
<b>Parallel Session II</b>			
	<p><b>Moderator:</b>                      Prof Sulaeman Ngongu D, PhD</p>	<p><b>Moderator:</b>                      Anggit L Sunarwidhi, PhD, Apt.</p>	<p><b>Moderator:</b>                      Prof.Sri Widyastuti, PhD</p>
	<p><b>Room: Health</b>                      Code : HSI</p>	<p><b>Room: Health Sciences</b>                      Code : HS2</p>	<p><b>Room: Natural Sciences</b>                      Code : NS</p>
15.45-17.00	<p><b>ICBB2020-078:</b> Improvement Ejection Fraction After 11 Days Treatment in Pediatric Dilated Cardiomyopathy : Case Report   <b>Alief Abni Bernindra and Yusra Pintaningrum</b>                      West Nusa Tenggara Province Hospital</p>	<p><b>ICBB2020-075:</b> Prevalence and Degree of Gastrointestinal Nematode Infection of Cidomo Horses in Mataram City, Indonesia   <b>Kunti Tirtasari, Candra Dwi Atma, Kholik</b>                      Universitas Pendidikan Mandalika</p>	<p><b>ICBB2020-066:</b> Quality of Rabbitfish Sauce (<i>Siganus spp.</i>) by the Addition of Pineapple Fruit Extract (<i>Ananas comosus</i>) Rich in the Enzyme Bromelain   <b>Mahrus, Agil Al Idrus, Abdul Syukur, Lulu Zulkifli</b>                      University of Mataram</p>
	<p><b>ICBB2020-059:</b> Ear Disease Determination on Computer-Assisted Outer and Middle Ear Images   <b>Hamsu Kadriyan, I Gede Pasek Suta Wijaya, Didit Yudhanto, Eka Arie Yuliani, Heru Mulyana</b>                      University of Mataram</p>	<p><b>ICBB2020-075:</b> Overview of Fractures Caused by The 2018 Lombok Earthquake in the Radiology Department of North Lombok Regency West Nusa Tenggara Regency   <b>Fauzy Ma'ruf, Bachtiar Murtala, Muhammad Ilyas, Muhammad Hatta</b>                      Unizar Mataram</p>	<p><b>ICBB2020-017:</b> Processed Milkfish Products (Milkfish Extract Thorns, Shredded Milkfish and Milkfish Meatballs) in Borimasunggu Village, Maros Regency   <b>Andi Abriana, Erni Indrawati, Rahmawati Rahman</b>                      Bosowa University Makassar</p>
	<p><b>ICBB2020-061:</b> Evaluation of Dietary Antioxidant Intake of School Age Children in ASGM Area Sekotong West Lombok   <b>Ardiana Ekawanti, Seto Priyambodo, Deasy Irawati, Rifana Cholidah</b>                      University of Mataram</p>	<p><b>ICBB2020-060:</b> Evaluation of Feeding Program for Infants and Children (PMBA) for Stunting Children in Lombok   <b>Lina Nurbaiti, Gede Wira Buanayuda, Nurpudji Astuti, Taslim, Mochammad Hatta, Agussalim Bukhari</b>                      University of Mataram</p>	<p><b>ICBB2020-038:</b>In-Vitro Anthelmintic Activities Of Shrub Plants Extracts For (<i>Haemonchus Contortus</i>) Worms   <b>Rendi Fathoni Hadi, E. Handayanta, S.D. Widyawati, A. Hanifa, W.P.S Suprayogi, Sudibya, Sudiyo</b>                      Universitas Sebelas Maret</p>
		<p><b>ICBB2020-077:</b> Sick Sinus Syndrome and Recurrent Hypoalbuminemia in Alcoholic Cardiomyopathy : a Case Study   <b>Yusra Pintaningrum and Baiq Widaning</b>                      University of Mataram</p>	

Time (GMT+8; AM)		14 <sup>th</sup> October 2020		
08.30-09.30	Registration	Committee		
09.30-10.00	Opening	MC: Hilda Astriana, S. Si., M. Si		
10.00-10.30	Keynote Speaker 6 (Prof. Den Florence L. Onda, PhD.)	Moderator:		
10.30-11.00	Keynote Speaker 7 (Prof. Ir. H. Sunarpi, PhD)	Anggit L. Sunarwidhi, PhD, Apt		
11.00-12.00	QnA			
12.00-13.00	Breakup Session			
Parallel Session I				
	Host I	Host II	Host III	
	<b>Moderator:</b> Ir. Aluh Nikmatullah, PhD <b>Room:</b> Agriculture <b>Code :</b> AG	<b>Moderator:</b> Eka S Prasedya, PhD <b>Room:</b> Marine Science <b>Code :</b> MS	<b>Moderator:</b> Prof. Ir. H. Sunarpi, PhD <b>Room:</b> Natural Sciences <b>Code :</b> NS	
13.00-15.30	<b>ICBB2020-062:</b> Can Organic Soil Ameliorant and Liquid Fertilizer Improve Maize Yield and Reduce Inorganic Fertilizer Input in a Semi-arid?  <b>I Komang Damar Jaya, Herman Suheri, Wayan Wangiyana</b> <i>University of Mataram</i>	<b>ICBB2020-071:</b> Effect of elevated temperature on the physio-biochemical responses of <i>Kappaphycus alvarezii</i> (Rhodophyta)  <b>Y.N. Kumar, S.W Poong, C.Gachon, J.Brode, A.Sade, P.E Lim</b> <i>Malaya University</i>	<b>ICBB2020-081:</b> Effect of Virgin Coconut Oil-Orange Juice Ratio on the Stability and Viscosity Properties of the Emulsion  <b>Lastri Wiyani, Andi Aladin, Rahmawati, Mustafiah</b> <i>Universitas Muslim Indonesia, Makassar</i>	
	<b>ICBB2020-072:</b> Spikelet Sterility and Yield of Aerobic Rice <b>Lia Hadiawati, J. Mitchell, S.Fukai</b> <i>Assessment Institute for Agricultural Technology, West Nusa Tenggara</i>	<b>ICBB2020-070:</b> Comparative Analysis of Transcriptional Regulation in Tropical and Polar Green Algae under Heat Stress  <b>S-W. Poong, K.K Lee, P.E Lim, C.H Yang, T.W Pai</b>  <i>Malaya University</i>	<b>ICBB2020-046:</b> The Expired Bread Substitution and Its Effect on the Blood Profile Goat PE  <b>Aqni Hanifa and Susi Dwi Widyawati</b> <i>Universitas Sebelas Maret</i>	
	<b>ICBB2020-083:</b> Changes in physical properties of puddled soil and their effect on mungbean yield  <b>L.A.A. Bakti, Sukartono, B.H Kusumo, L.E Susilowati, I. Yasin, I.G.M Kusnarta</b> <i>University of Mataram</i>	<b>ICBB2020-055:</b> The Distribution and Prevalence of Epiphytic Macroalgae on Cultivated Macroalgae in Lombok Island  <b>Mursal Ghazali, Rina Kurnianingsih, Sri Puji Astuti, Bambang Fajar Suryadi, Catur Retnaningdyah, Wahyu Widoretno, Estri Laras Arumingtyas</b> <i>University of Mataram</i>	<b>ICBB2020-052:</b> The Combination of Pumpkin and Jackfruit Seeds for Making the Tortilla  <b>Nurhayati, Syirril Ithromi, Earlina Shintia Dewi</b> <i>University of Muhammadiyah Mataram</i>	
	<b>ICBB2020-051:</b> Effect of Calcium Carbonate Addition on The Growth and Feed Consumption Rate of Gouramy ( <i>Ospornemus goramy</i> ) Seed  <b>Dewi Nur'ani Setyowati, Anita Prihatini Ilyas, Awan Dermawan, Sanca Rahmatullah</b> <i>University of Mataram</i>	<b>ICBB2020-013:</b> Enzymatic Activity of Microbe Associated with Marine Sponge from Ambon Bay  <b>Hendra Munandar</b> <i>Indonesian Institute of Sciences</i>	<b>ICBB2020-006:</b> Preliminary Study of Black Aspergilli Inhabiting <i>Piper</i> Rhizosphere from Eka Karya Botanical Garden, Bedugul Bali  <b>Muhammad Ilyas, Dian Alfian Nurchayanto, Yeni Yuliani Wibowo Mangunwardoyo, Iman Hidayat</b> <i>Indonesian Institute of Sciences</i>	
	<b>ICBB2020-045:</b> Shade Stress in Various Growth Phases and its Effect on Agronomic Characters and Chlorophyll Content of Peanut Genotypes  <b>A.F. Hemon, Sumarjan, A.R. Hanafi</b> <i>University of Mataram</i>	<b>ICBB2020-036:</b> Measurement Antioxidant Activity of Seaweed ( <i>Eucheuma Cottonii</i> ) And Coconut ( <i>Cocos Nucifera</i> ) Masks  <b>Andi Maria Ulfa and Amirul Hilmi</b> <i>Cordova University</i>	<b>ICBB2020-025:</b> An Online Pictorial Key to Orders and Families of Soil and Freshwater Nematodes  <b>Abdul Gafur</b> <i>Universitas Lambung Mangkurat</i>	
	<b>ICBB2020-087:</b> Spatial Study of Landscape Structure In Nyalindung Regency, Sukabumi, West Java And Its Linkages With Rice Productivity  <b>Sabda Adhisurya, Supriatna, Tuty Handayani</b> <i>University of Indonesia</i>	<b>ICBB2020-032:</b> Effect of extraction solvent on total phenolic content, total flavonoid content, and antioxidant activity of Bulung Sangu ( <i>Gracilaria</i> sp.) Seaweed  <b>Maria Malida Vernandes Sasadara and I Gede Putu Wirawan</b> <i>Udayana University</i>	<b>ICBB2020-044:</b> Potential of Ashitaba leaf ( <i>Angelica keiskei</i> ) as a phytobiotic source in feed on cholesterol and blood tryglyceride levels of broiler chicken  <b>Dina oktaviana, Gusti Ayu Esty Windhary, Mashur, Supriadi, Kholik</b> <i>Universitas Pendidikan Mandalika</i>	
	<b>ICBB2020-019:</b> Spatial Study of Land Use Change with Salinity and Total Suspended Solid Conditions in Ci Mandiri Estuary, West Java  <b>Faiz Maulani Ilmawan, Supriatna, Kuswantoro</b> <i>University of Indonesia</i>	<b>ICBB2020-074:</b> Seagrass Conservation Needs Base On Assessment Of Local Scale Economic Value on The Diversity of Its Associated Biota on Lombok Island, Indonesia  <b>Lalu Zulkifli, Lalu Rafftha Patech, Abdul Syukur</b> <i>University of Mataram</i>	<b>ICBB2020-096:</b> Mass spectrometry analysis revealed the production of siderophore from <i>Klebsiella oxytoca</i> strain STA01 isolated from sago palm field in Tulehu, Maluku, Indonesia  <b>A Frediansyah, S.Aziz, WA Ramadaningrum, AL Sunarwidhi</b> <i>University of Tuebingen</i>	
	<b>ICBB2020-039:</b> Bioactivity of Neem Seed Oil Mixed with Pyrolygneous Acid from Rice	<b>ICBB2020-098:</b> Assessment of Grouper and Snapper Fisheries with EAFM Approach and		

	Husks Against <i>Spodoptera litura</i> <b>Arief Heru Prianto, Didi Tarmadi, Budiawan, Yuki Yulizar, Partomuan Simanjuntak</b> <i>University of Indonesia</i>	Sustainable Strategy Management in Sumbawa-Indonesia <b>Siti Hilyana, Soraya Gigentika, Nurliah, Hernawati</b> <i>University of Mataram</i>	
15.30-15.45	Breakup Session		
<b>Parallel Session II</b>			
	<b>Host I</b>	<b>Host II</b>	<b>Host III</b>
	Moderator: <b>Ir. Aluh Nikmatullah, PhD</b> Room: Agriculture Code : AG	Moderator: <b>Eka S Prasedya, PhD</b> Room: Marine Science Code : MS	Moderator: <b>Prof.Ir. H. Sunarpi, PhD</b> Room: Natural Sciences Code : NS
15.45-17.00	<b>ICBB2020-088:</b> Vegetation Analysis in Catchment Area of Kemalik Lingsar Spring <b>Ahmad Jupri</b> <i>University of Mataram</i>	<b>ICBB2020-015:</b> The Suitability of Seagrass Ecological Function for the Survival of the Bivalvia on the East Lombok Coast, Indonesia <b>Abdul Syukur, Baiq Nunung Hidayati, Gde Mertha</b> <i>University of Mataram</i>	<b>ICBB2020-014:</b> Revegetation of <i>Rhizophora Apiculata</i> and <i>Rhizophora Stylosa</i> to Improve Mangrove Recovery in Teluk Jor, East Lombok <b>Didik Santoso, Zulhalifah, Abdul Syukur</b> <i>University of Mataram</i>
	<b>ICBB2020-082:</b> Soil Characteristics and Maize Yield Under Various Conservation Agriculture Practices in The Tropical Semi Arid of South Lombok, Indonesia <b>Sukartono, B.H Kusomo, L. Ujianto, L.E Sushilwati, I. Yasin, Kisman, L.A.A. Bakti, Fahrudin</b> <i>University of Mataram</i>	<b>ICBB2020-073:</b> The Suitability of the Marine Environment for the Development of Cuttlefish Farming Technology as a Seagrass Conservation Solution in East Lombok, Indonesia <b>A Al-Idrus, ASyukur, Lalu Muhammad Imam Husaini, M.Nasir</b> <i>University of Mataram</i>	<b>ICBB2020-028:</b> Wind vector anomaly in the maritime continent of Indonesia: it's impact on local environmental sustainability in West Nusa Tenggara <b>Mahrup, IGM Kusnartha, Soeiminaboedhy, Fahrudin, Padusung, M.Ma'shum</b> <i>University of Mataram</i>
	<b>ICBB2020-095:</b> Horticultural Crop Production Strategy in Dry Land of North Lombok <b>Nurrachman, M. Taufik Fauzi, Lukman Taufik</b> <i>University of Mataram</i>	<b>ICBB2020-097:</b> The solution for seagrass conservation through the development of cuttlefish cultivation in east lombok, indonesia <b>Agil Al Idrus, Abdul Syukur, Lalu Zulkifli, N Kumala Ratnadewi</b> <i>University of Mataram</i>	<b>ICBB2020-068:</b> Nematodes in The Rizosphere of Cempedak Plant ( <i>Artocarpus integer</i> (Thunb.)Merr.) in Banjar District, South Kalimantan <b>Winda Sari and Abdul Gafur</b> <i>Universitas Lambung Mangkurat</i>
<b>POSTERS</b>			
Posters will be available in the website <a href="http://icbb2020.unram.ac.id">icbb2020.unram.ac.id</a> from <b>12<sup>th</sup> October 2020</b>		<b>ICBB2020-039:</b> Bioactivity of neem seed oil mixed with Pyroligenous acid from rice husks against <i>Spodoptera litura</i> <b>Arief Heru Prianto, Didi Tarmadi, Budiawan, Yuki Yulizar, Partomuan Simanjuntak</b> <i>University of Indonesia</i>	
<b>ICBB2020-018:</b> The utilization of traditional biotechnology and genetic resources in Pharmaceutical Industry: Indonesia's social and legal context <b>Dwi Martini, Diman Ade Mulada, Dewi Sartika</b> <i>University of Mataram</i>		<b>ICBB2020-012:</b> Implementation of cites 1973 in Indonesia (Study on shark fishing in Tanjung Luar Fish Auction, East Lombok, West Nusa Tenggara) <b>Erlies Septiana Nurbani, J. Johny Koynja, Diva Pitaloka, Zunnuraeni</b> <i>University of Mataram</i>	



# HEALTH SCIENCES





ICBB2020-060

## Evaluation of Feeding Program for Infants and Children (PMBA) for Stunting Children in Lombok

LinaNurbaiti<sup>1,2</sup>, GedeWiraBuanayuda<sup>2</sup>, NurpudjiAstuti Taslim<sup>1</sup>, Mochammad Hatta<sup>1</sup> and Agussalim Bukhari<sup>1</sup>

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### Introduction

West Nusa Tenggara (NTB) is ranked seventh as the province with the highest prevalence of stunting under five in Indonesia (Risksedas, 2018). Feeding Program for Infants and Children (PMBA) is one of the specific nutritional interventions that can be carried out to prevent and overcome stunting (Ministry of Health, 2019).

### Methods

This study is a cross sectional study design with structured interviews using a questionnaire to see the characteristics of infant and child feeding (PMBA) in mothers / caregivers of stunting toddlers aged 6-24 months. The research respondents were 35 mothers of stunting children under five who were selected using purposive sampling technique.

### Result

Feeding age accuracy: 80% age accuracy; 11.4% given earlier than their age, and 8.6% later than their age. Feeding frequency for children under five: 77% were given 3 times a day; 17% were given two meals a day; and 6% were given one meal a day. Amount of food as measured: 26% used up and 74% remaining. Age-appropriate texture / consistency: 85.7% correct and 14.3% incorrect. Diversity of food: 91.4% non-diverse and 8.6% diverse. Feeding method; 100% fed. Hygiene: 91.4% mothers / caregivers do not wash their hands with soap and only 8.6% wash their hands with soap before feeding their children.

### Conclusions

The feeding rules for stunting toddlers are still not in accordance with PMBA guidelines

# Evaluation of Feeding Program for Infants and Children (PMBA) for Stunting Children in Lombok

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