

LAPORAN PERJALANAN DINAS

**The 2nd IPB International Conference on Nutrition and Food
2022**

(ICNF 2022)

Nutrition and Food Innovation for Better Life

17-18 November 2022 – Bogor – Indonesia



Oleh :

Harna, S.Gz, M.Si

FAKULTAS ILMU-ILMU KESEHATAN

PROGRAM STUDI ILMU GIZI

UNIVERSITAS ESA UNGGUL

2022

KATA PENGANTAR

Dengan Rahmat Allah SWT saya dapat menyelesaikan perjalanan dinas dalam rangka meningkatkan kualitas dan mutu sumber daya manusia di bidang gizi dan pangan, pada acara “*The 2nd IPB International Conference on Nutrition and Food (ICNF 2022)*” pada tanggal 17-18 November 2022 di Bogor. Konferensi ini merupakan acara yang dihadiri oleh berbagai kalangan dari seluruh dunia, baik dari akademisi, industri pangan, maupun praktisi gizi dan pangan.

Dalam konferensi ini, saya sebagai peserta memiliki kesempatan untuk memperluas wawasan, memperkaya pengetahuan, dan membangun relasi dengan para pakar dan ahli di bidang gizi dan pangan. Selain itu, saya juga dapat memperoleh informasi mengenai isu-isu terkini dan strategi penyelesaian dalam bidang gizi dan pangan yang sedang berkembang. Acara ini sendiri terdiri dari berbagai sesi presentasi, diskusi, dan workshop yang membahas berbagai topik terkait gizi dan pangan seperti pengembangan produk pangan fungsional, aspek gizi dalam pengobatan, manajemen risiko pangan, keamanan pangan, dan isu-isu terkait gizi di dalam masyarakat.

Saya merasa sangat terbantu dengan kegiatan ini dan mendapatkan pengalaman yang sangat berharga dalam bidang gizi dan pangan. Selain itu, kami juga dapat berinteraksi dengan para peserta lainnya dari seluruh dunia dan bertukar pikiran mengenai ide-ide baru yang dapat diterapkan pada lingkungan kerja kami. Melalui laporan ini, saya ingin menyampaikan hasil perjalanan dinas ke konferensi ICNF 2022 sebagai salah satu upaya untuk mengembangkan dan meningkatkan kemampuan dan keterampilan kami di bidang gizi dan pangan. Saya berharap laporan ini dapat memberikan manfaat dan informasi yang berguna bagi pengembangan ilmu pengetahuan dan teknologi di bidang gizi dan pangan.

Saya berterima kasih kepada Bapak/Ibu Pimpinan yang telah memberikan kesempatan dan dukungan dalam mengikuti konferensi ini. Saya berharap kerjasama ini dapat berlanjut untuk mengembangkan ilmu pengetahuan dan teknologi di bidang gizi dan pangan demi kemajuan Indonesia.

Terimakasih

Harna, S.Gz, M.Si

BAB 1

LATAR BELAKANG PERJALANAN DINAS

Konferensi ICNF 2022 merupakan salah satu acara akademik yang sangat penting bagi para ahli dan peneliti dalam bidang gizi dan makanan di seluruh dunia. Acara ini diadakan oleh Institut Pertanian Bogor (IPB) yang merupakan salah satu perguruan tinggi terkemuka di Indonesia, dengan tujuan untuk mempromosikan penelitian dan perkembangan terbaru dalam bidang gizi dan makanan.

Konferensi ICNF 2022 dilaksanakan secara virtual pada tanggal 17-18 November 2022. Acara ini dihadiri oleh lebih dari 300 peserta dari seluruh dunia, termasuk akademisi, peneliti, praktisi, dan pelaku industri. Dalam konferensi ini, para peserta berkesempatan untuk berbagi pengetahuan, pengalaman, dan hasil penelitian terbaru dalam bidang gizi dan makanan.

Salah satu tujuan utama dari konferensi ICNF 2022 adalah untuk membahas isu-isu kunci terkait dengan gizi dan makanan, termasuk masalah gizi buruk, keamanan pangan, dan isu-isu lingkungan yang terkait dengan produksi dan konsumsi pangan. Konferensi ini juga bertujuan untuk mendorong kerja sama antara ahli dan peneliti dalam mengembangkan solusi inovatif untuk masalah terkait gizi dan makanan.

Selama konferensi, para peserta dapat menghadiri berbagai kegiatan seperti presentasi oral, poster, diskusi panel, dan workshop. Topik yang dibahas meliputi gizi, pangan fungsional, teknologi pangan, keamanan pangan, sistem pangan berkelanjutan, serta nutrigenomik dan metabolomik. Para peserta juga memiliki kesempatan untuk berdiskusi dengan para ahli dan peneliti lainnya dalam sesi diskusi panel, serta mengikuti workshop yang dirancang untuk memperdalam pemahaman mereka tentang topik tertentu dalam bidang gizi dan makanan.

Dalam menghadapi pandemi Covid-19 yang masih berlangsung, konferensi ICNF 2022 diselenggarakan secara daring dengan mengadopsi teknologi konferensi virtual. Meskipun acara ini diadakan secara virtual, para peserta dapat terhubung dengan mudah melalui platform konferensi virtual yang telah dirancang dengan baik. Selain itu, konferensi ini juga menawarkan kesempatan untuk berinteraksi dan berdiskusi dengan para ahli dan peneliti dari seluruh dunia melalui sesi Q&A dan diskusi panel.

Dalam laporan perjalanan dinas konferensi ICNF 2022 ini, diharapkan bahwa informasi yang disajikan dapat memberikan pemahaman yang lebih baik tentang acara ini, dan menginspirasi lebih banyak orang untuk terlibat dalam pengembangan gizi dan makanan di masa depan. Diharapkan bahwa konferensi ICNF 2022 dapat menjadi platform yang efektif untuk meningkatkan pemahaman dan kesadaran tentang pentingnya gizi dan makanan yang sehat bagi kesehatan dan kesejahteraan manusia serta lingkungan.

BAB 2
PELAKSANAAN KEGIATAN
SEMINAR INTERNASIONAL ICNF 2022

Konferensi ICNF 2022 merupakan acara yang diadakan secara virtual dan melibatkan peserta dari seluruh dunia. Dalam pelaksanaannya, konferensi ini memanfaatkan teknologi konferensi virtual yang memungkinkan para peserta untuk terhubung dengan mudah melalui platform yang dirancang dengan baik.

Pada hari pertama konferensi, para peserta dapat mengikuti sesi pleno yang dipandu oleh para moderator yang berpengalaman dalam bidang gizi dan makanan. Para peserta dapat menonton presentasi-pesentasi terkait topik-topik yang berkaitan dengan gizi dan makanan, serta mengikuti diskusi panel dengan para ahli dan peneliti dalam bidang tersebut. Para peserta juga dapat bertanya langsung pada para pembicara melalui sesi tanya jawab yang disediakan.

Selain sesi pleno, konferensi ICNF 2022 juga menyediakan sesi poster, dimana para peserta dapat memamerkan hasil penelitian mereka dalam bentuk poster digital. Peserta dapat memeriksa poster-poster tersebut dan mengajukan pertanyaan atau memberikan masukan pada penulis poster melalui fitur diskusi yang tersedia.

Untuk hari kedua, konferensi ICNF 2022 menyediakan sesi workshop yang dirancang untuk memperdalam pemahaman peserta terkait topik-topik tertentu dalam bidang gizi dan makanan. Para peserta dapat memilih untuk mengikuti salah satu workshop yang disediakan, dan belajar dari para ahli dan peneliti yang memiliki keahlian khusus dalam bidang tersebut.

Selama pelaksanaan konferensi, para peserta dapat berinteraksi dan berdiskusi dengan para ahli dan peneliti dari seluruh dunia melalui fitur-fitur yang disediakan dalam platform konferensi virtual. Hal ini memungkinkan para peserta untuk terlibat dalam diskusi yang produktif dan berbagi pengetahuan dengan orang lain yang memiliki minat yang sama dalam bidang gizi dan makanan.

Secara keseluruhan, teknis pelaksanaan konferensi ICNF 2022 berjalan dengan lancar dan efektif, meskipun diadakan secara virtual. Para peserta dapat terlibat dalam kegiatan konferensi dengan mudah dan memiliki akses ke informasi dan pengetahuan terkini dalam bidang gizi dan makanan.

RUNDOWN KEGIATAN

Thursday, 17 November 2022 (Day 1)

Time (GMT+7)	Activity	Zoom
08.30 - 09.00	<p><u>Opening ceremony</u> The national anthem “Indonesia Raya” and university hymn “Hymne IPB”</p> <p>Welcome speech (Head of Organizing Committee of ICNF 2022: Prof. Dr. Sri Anna Marliyati)</p> <p>Opening remarks (Rector of IPB University: Prof. Dr. Arif Satria)</p>	
	<p><u>Plenary session 1: Prof. Dr. Hardinsyah, Department of Community Nutrition, IPB University, Indonesia</u> “Diet, lifestyle, and non-communicable diseases: Lesson learned from Asia” Moderator: dr. Mira Dewi, PhD, IPB University</p>	
09.00 - 09.45		<p>https://ipb.link/room1-2nd-ipb-icnf-2022</p>
09.45 - 10.30	<p><u>Plenary session 2: Prof. Dr. Norhasmah Sulaiman, Department of Nutrition, Universiti Putra Malaysia, Malaysia</u> “Food and nutrition security in Southeast Asia” Moderator: Dr. Budi Setiawan, IPB University</p>	<p>Meeting ID: Meeting ID: 943 8653 7012 Passcode: 981171</p>
10.30 - 10.50	<p><u>Poster presentation session 1</u></p> <p>1. PL023CLP - Selection of Extraction Methods For Determination of Total Faecal Bile Acids in Malaysian Adults on A Palm Oil Diet</p> <p>2. PD104CLP - Malnutrition as an Associated Factor of the Sarcopenia Risk Using SARC-Calf and SARC-Calf 31 in Oncology Patients Undergoing Chemotherapy</p> <p>3. PD121CLP - The Effect of Lowering Cholesterol Levels by Intervention with Mixture of Milk Yogurt and Temulawak</p>	
10.50 - 11.50	<p><u>Oral presentation session 1</u></p> <p>Zoom 1: Clinical Nutrition</p> <p>1. PD002CLO - Antihypertensive Activity of Moringa Oleifera Leaves: A Preliminary Meta-Analysis</p> <p>2. PD067CLO - The Effect of Powdered Young Coconut Drink on Organ Weight and Lipid Profile of Experimental Diabetic Rats</p> <p>3. PD003CLO - Comparison of Nutritional Status Effect Between RUTF Standard and Modified RUTF in SAM Children: A Meta-Analysis</p> <p>4. PD099CLO - The Effect of Probiotic Intake on Metabolic Syndrome: A Meta-Analysis</p> <p>Moderator: Dr. Rimbawan, IPB University</p>	<p>https://ipb.link/room1-2nd-ipb-icnf-2022</p> <p>Meeting ID: Meeting ID: 943 8653 7012 Passcode: 981171</p>
	<p>Zoom 2: Community Nutrition</p> <p>1. PD006COO - Parental Feeding Practice and Micronutrient Intake of Children in North Jakarta, Indonesia</p> <p>2. PD013COO - Factors Associated to Protein Concentration in Breastmilk of Women</p> <p>3. PL015COO - Development of Malaysian Students’ Healthy Meal Plan for Public University Students in Peninsular Malaysia</p> <p>4. PD033COO - Food Pattern, Dietary Diversity Score, and Money Expenditure Priorities among Mothers Living in the Stunting Locus of Muara Enim Regency</p> <p>Moderator: Assoc. Prof. Dr. Chin Yit Siew, Universiti Putra Malaysia</p>	<p>https://ipb.link/room2-2nd-ipb-icnf-2022</p> <p>Meeting ID: Meeting ID: 975 1364 5677 Passcode: 872447</p>

Thursday, 17 November 2022 (Day 1)

Time (GMT+7)	Activity	Zoom
10.50 - 11.50	Zoom 3: Food Innovation 1. PD004FOO - High Fiber Snack Bar Made from Purple Sweet Potato (<i>Ipomea batatas</i>) and Black Soy-Bean (<i>Glycine soja</i> Sieb) 2. PD041FOO - Sensory Acceptance, Antioxidant Activity, and Dietary Fiber Content of Tekwan Supplemented with Cassava Leaf Powder 3. PD061FOO - High Fibre Instant Noodles Made from Beneng Taro Flour (<i>Xanthosoma undipes</i>) Moderator: Dr. Zuraidah Nasution, IPB University	https://ipb.link/room3-2nd-ipb-icnf-2022 Meeting ID: Meeting ID: 973 0585 0903 Passcode: 777573
	Zoom 4: Sports Nutrition 1. PD040SPO - Cold-Sterilized Coconut Water Improves the Rehydration and Recovery of Female Adolescent Futsal Athletes in Bogor, Indonesia 2. PD050SPO - Nutrient Intake and Body Image Perception in Bodybuilding Athletes: A Narrative Review 3. PD108SPO - The Correlation of Adiposity, Energy and Macronutrients Intake with Cardiorespiratory Fitness in Obese Male Adolescents Moderator: Mr. Muhammad Aries, IPB University	https://ipb.link/room4-2nd-ipb-icnf-2022 Meeting ID: Meeting ID: 925 8798 8330 Passcode: 088650
11.50 - 11.55	Closing of Day 1 - Morning session	
11.55 - 13.00	Lunch break	
13.00 - 13.45	Plenary session 3: Assoc. Prof. Dr. Wantanee Kriengsinyos, RD, Institute of Nutrition, Mahidol University, Thailand “The roles of registered dietitians in the prevention and management of non-communicable diseases” Moderator: Dr. Rimbawan, IPB University	https://ipb.link/room1-2nd-ipb-icnf-2022
13.45 - 14.05	Poster presentation session 2 1. PD010COP - Risk Factors of Sleep Duration among Shift Workers 2. PL022COP - Socio-Economic Status, Food Security Status and its Coping Strategies among ‘The Lost Food Project’ (TLFP) Recipients in Klang Valley During Covid-19 Pandemic 3. PL046SPP - Body Composition and Body Satisfaction of the Bodybuilding and Physique Sports from Bangkok Sports	Meeting ID: Meeting ID: 943 8653 7012 Passcode: 981171
	Oral presentation session 2 Zoom 1: Clinical Nutrition 1. PL024CLO - 4.5 Tonnes of Food Wasted Across a Hospital Ward: A Service Evaluation of Dietary Intake and Food Waste in Older Hospitalised Trauma and Orthopaedic Patients 2. PL048CLO - Multi-Level Texture Modified Diets for Elderly South-Asian Population with Oropharyngeal Dysphagia Based on Home Cooking 3. PL056CLO - Design and Development of Dietcare: An Online Nutritional Care Database Management System - An Initiative Model Proposal 4. PD069CLO - Lifestyle Factors Associated with Blood Glucose Level of Type 2 Diabetes Mellitus Patients in Pekanbaru City, Riau Province, Indonesia Moderator: Assoc. Prof. Dr. Norhaizan Mohd Esa, University Putra Malaysia	https://ipb.link/room1-2nd-ipb-icnf-2022 Meeting ID: Meeting ID: 943 8653 7012 Passcode: 981171
14.05 - 15.05	Zoom 2: Community Nutrition	

	<p>1. PL034COO - Development of Local Food-Based Dietary Recommendations Using Linear Programming Approach for Malaysian Undernourished Children Aged 24 to 48 Months Old</p> <p>2. PD037COO - Relationships of Demographic, Healthy Living Behaviour, and Maternal Nutrition Knowledge with Stunting among School-Aged Children in Cihampelas District, West Bandung Regency</p>	<p>https://ipb.link/room2-2nd-ipb-icnf-2022</p> <p>Meeting ID: Meeting ID: 975 1364 5677 Passcode: 872447</p>
Thursday, 17 November 2022 (Day 1)		
Time (GMT+7)	Activity	Zoom
	<p>3. PD039COO - Nutritional Fulfilment of Children Under Three in Stunting Area of Kepung Public Health Center, Besowo Village, Kediri Regency</p> <p>4. PD042COO - The Correlation Between Body Fatness and Short-Term Memory of Primary School Children in Bogor, Indonesia <i>Moderator: Prof. Dr. Ali Khomsan, IPB University</i></p>	
14.05 - 15.05	<p>Zoom 3: Food Innovation</p> <p>1. PD018FOO - Potentials of Fiber, Antioxidant Activity and Prebiotic Property of Three Indonesian Seaweed: A Narrative Review</p> <p>2. PD026FOO - Total Flavonoids and Total Phenolic in Nipah (<i>Nypa fruticans</i> Wrumb) Fruit Extract as a Candidate for Hyperglycemic Control</p> <p>3. PD105FOO - In Vitro Iron and Zinc Bioaccessibility of Alternative RUTFs from Locally-Available Ingredients <i>Moderator: Dr.agr. Eny Palupi, IPB University</i></p> <p>Zoom 4: Community Nutrition</p> <p>1. PD044COO - Diet Quality, Nutritional Intake and Double Burden of Malnutrition of School-Going Adolescent Girls in Bogor, West Java, Indonesia</p> <p>2. PD051COO - The Association of Birth Weight History and Other Factors with Children's Health Status in Padang City</p> <p>3. PD066COO - Eating Habits and Sleep Quality of University Students During The Covid-19 Pandemic In West Java</p> <p>4. PL070COO - Evaluation of Nutritive Value of Commercially Packaged Snacks Available in Thai Supermarkets <i>Moderator: Ms. Resa Ana Dina, IPB University</i></p>	<p>https://ipb.link/room3-2nd-ipb-icnf-2022</p> <p>Meeting ID: 973 0585 0903 Passcode: 777573</p> <p>https://ipb.link/room4-2nd-ipb-icnf-2022</p> <p>Meeting ID: Meeting ID: 925 8798 8330 Passcode: 088650</p>
15.05 - 15.25	<p>Poster presentation session 3</p> <p>1. PD049COP - Balance Nutrition Training for Raudhatul Athfal (RA) Teachers in Semarang City</p> <p>2. PD071COP - Contribution of Economic and Food Consumption Factors Toward Stunting Prevalence among Children Age 0-59 Months in Indonesia</p> <p>3. PD073COP - Exclusive Breastfeeding among Infants Age 6-24 Months in Jayapura City (A Study in Abepura Community Health Center)</p>	<p>https://ipb.link/room1-2nd-ipb-icnf-2022</p> <p>Meeting ID: Meeting ID: 943 8653 7012 Passcode: 981171</p>

15.25 - 16.25	<p>Oral presentation session 3</p> <p>Zoom 1: Clinical Nutrition</p> <ol style="list-style-type: none"> 1. PD080CLO - Lipoprotein Lipase and Cholesteryl Ester Transfer Protein Gene Polymorphisms-Dietary Intake Interactions on Lipid Traits: A Review of Nutrigenetic Studies in Asian Indians 2. PL101CLO - Development of Myanmar Protein and Calorie Counting Booklet for Chronic Kidney Disease Patients 3. PD102CLO - Weight Loss in Covid-19 Patients and its Relationship with Appetite Level and Energy Intake During Hospitalization <p><i>Moderator: dr. Karina Rahmadia Ekawidnyani, IPB University</i></p> <p>Zoom 2: Community Nutrition</p> <ol style="list-style-type: none"> 1. PD074COO - Nutrition Attitude and Covid-19 Vaccine Intention of Indonesian 2. PD079COO - Snack Consumption and Physical Activity Associated with Overweight in Adolescents at Nururrahman Islamic Senior High School in Depok City, Indonesia 3. PD082COO - Children's Eating Habits in Agricultural and Coastal Areas <p><i>Moderator: Ms. Anna Vipta Resti Mauludyani, IPB University</i></p>	<p>https://ipb.link/room1-2nd-ipb-icnf-2022</p> <p>Meeting ID: Meeting ID: 943 8653 7012 Passcode: 981171</p> <p>https://ipb.link/room2-2nd-ipb-icnf-2022</p> <p>Meeting ID: Meeting ID: 975 1364 5677 Passcode: 872447</p>
	Thursday, 17 November 2022 (Day 1)	
Time (GMT+7)	Activity	Zoom
15.25 - 16.25	<p>Zoom 3: Food Innovation</p> <ol style="list-style-type: none"> 1. PD017FOO - Effect of Ultrasound Treatment on Quality Of Pineapple (<i>Ananas comosus</i>) 2. PD021FOO - Supercritical Carbon-Dioxide Papaya Seed Extract (<i>Carica papaya</i> L.) as Alternative Oil Raw Materials in Supporting Sustainability Development Goals (SDGs) 3. PL043FOO - Stingless Bee Honey as Superfood : An Industry Gimmick or Real Science? 4. PD086FOO - Development of Alternative Ready-To-Use Therapeutic Food (RUTF) Using Locally-Available Protein Sources: Milk, Legumes, and Fish <p><i>Moderator: Dr. Budi Setiawan, IPB University</i></p> <p>Zoom 4: Community Nutrition</p> <ol style="list-style-type: none"> 1. PD008COO - Acceptance of Risk Management Plan for Indonesian School Food Environment and its Related Factor 2. PL096COO - Complementary Feeding Practices of Mothers in Three Geographical Areas in Virac, Catanduanes, Philippines 3. PD100COO - Hypertension in Pregnant Women: Relationship with Nutrients Intake, Physical Activity and Pregnancy Characteristics <p><i>Moderator: Mr. Muhamad Aries, IPB University</i></p>	<p>https://ipb.link/room3-2nd-ipb-icnf-2022</p> <p>Meeting ID: Meeting ID: 973 0585 0903 Passcode: 777573</p> <p>https://ipb.link/room4-2nd-ipb-icnf-2022</p> <p>Meeting ID: Meeting ID: 925 8798 8330 Passcode: 088650</p>
	16.25 - 16.30	Closing of Day 1 - Afternoon session

Friday, 18 November 2022 (Day 2)

Time (GMT+7)	Activity	Zoom
08.25 - 08.30	<u>Opening of Day 2</u>	
08.30 - 09.15	<p><u>Plenary session 4:</u> <i>Assoc. Prof. Dr. Elizabeth Ryan, Department of Environmental and Radiological Health Sciences, Colorado State University, USA</i></p> <p>“Gut microbial metabolism of whole grains and legumes across the lifespan for chronic disease prevention”</p> <p><i>Moderator: Dr. Zuraidah Nasution, IPB University</i></p>	
09.15 - 10.00	<p><u>Plenary session 5:</u> <i>dr. Rina Agustina, PhD, Faculty of Medicine, Universitas Indonesia, Indonesia</i></p> <p>“Environmental risk factors associated with child stunting”</p> <p><i>Moderator: Dr. Cesilia Meti Dwiriani, IPB University</i></p>	<p>https://ipb.link/room1-2nd-ipb-icnf-2022</p> <p>Meeting ID: Meeting ID: 943 8653 7012 Passcode: 981171</p>
10.00 - 10.20	<p><u>Poster presentation session 4</u></p> <ol style="list-style-type: none"> PD001FOP - Banana Peel and Catfish-Based Brownies as an Alternative Snack for Preventing Stunting PD012FOP - Bread Made from Local Ingredients (Red Bean, Soybean, and Corn) Flour: An Acceptance and Potential Nutritive Supplementary Product for Pregnant Women PD088FOP - Effect of Pumpkin Puree (<i>Cucurbita moschata</i>) Substitution and Fermentation Time Differences in The Production of Maros Bread (<i>Roti Maros</i>) PL047FOO - Effect of Fermentation on Antioxidant Contents, Antioxidant Activity, and Mineral Contents of Cleome Gynandra Leaves 	
10.20 - 11.20	<p><u>Oral presentation session 4</u></p> <p><u>Zoom 1: Food Innovation</u></p> <ol style="list-style-type: none"> PD038FOO - Characteristics of Bread From Purple Sweet Potato Flour with the Addition of Hemicellulase Enzyme PD052FOO - Antibacterial Activity of Dairy Kefir Beverage for <i>Escherichia coli</i>, <i>Staphylococcus aureus</i>, And <i>Bacillus subtilis</i> PD083FOO - Anti-Ageing and Anti-Diabetic Potential of Watermelon Rind Kombucha: An in Vitro Exploration <p><i>Moderator: Dr. Ir. Lilik Kustiyah, IPB University</i></p> <p><u>Zoom 2: Community Nutrition</u></p> <ol style="list-style-type: none"> PD103COO - Relationship of Percent Body Fat with Hydration Status in Adolescents PD110COO - Associations between College Students Nutrition Knowledge, Eating Habits, and Physical Activity during Covid-19 Pandemic PD111COO - Effect of Islamic Alternate-Day Fasting (Daud Fasting) on Body Weight, Body Fat, and Skeletal Muscle in Male and Female Obese Young Adults in Dramaga, Bogor, Indonesia PD112COO - High Prevalence of Metabolic Syndrome among Middle-Aged People in Rural Area of Cianjur, Indonesia <p><i>Moderator: dr. Mira Dewi, PhD, IPB University</i></p>	<p>https://ipb.link/room1-2nd-ipb-icnf-2022</p> <p>Meeting ID: Meeting ID: 943 8653 7012 Passcode: 981171</p> <p>https://ipb.link/room2-2nd-ipb-icnf-2022</p> <p>Meeting ID: Meeting ID: 975 1364 5677 Passcode: 872447</p>

Friday, 18 November 2022 (Day 2)

Time (GMT+7)	Activity	Zoom
10.20 - 11.20	Zoom 3: Food Innovation 1. PD027FOO - Administration of Milk-Based Drinks (MDs) Containing Lactic Acid Bacteria (LAB) Improves Calcium Femur Level of The Rat'S Offspring 2. PL035FOO - Proximate Composition and Calcium Content of Adlai (<i>Coix lacryma-Jobi L.</i>)- Pili (<i>Canarium ovatum L.</i>) Drink 3. PD045FOO - Effect of Soymilk Substitution on Nutrient Profile, Oxidative Stability and Sensory Preference of Malay Chicken Curry 4. PD062FOO - Development of Nutrition Shake Made from the Substitution of Cow Milk, Mung Bean and Corn as a Beverage for Underweight Toddlers Moderator: Prof. Dr. Sri Anna Marliyati, IPB University	https://ipb.link/room3-2nd-ipb-icnf-2022 Meeting ID: Meeting ID: 973 0585 0903 Passcode: 777573
	Zoom 4: Community Nutrition 1. PD125COO - The Risk Factors of Hypertension among Female Batik Workers 2. PD032COO - Canalization, the Synthesized Model on Improving Determinant Factors of Sunting in 1000 Early Life in West Bandung Region, Indonesia 3. PD113COO - Effects of Two-Year Covid-19 Pandemic on the Consumption of Beverages among Indonesian Women Moderator: dr. Karina Rahmadia Ekawidyani, IPB University	https://ipb.link/room4-2nd-ipb-icnf-2022 Meeting ID: Meeting ID: 925 8798 8330 Passcode: 088650
11.20 - 11.25	<i>Closing of Day 2 - Morning session</i>	
11.25 - 13.00	<i>Lunch break</i>	
13.00 - 13.45	Plenary session 6: Prof. Dr. Stephen Bird, School of Health and Medical Sciences, University of Southern Queensland, Australia “Food and nutrition for fitness and for athlete performance” Moderator: Dr.agr. Eny Palupi, IPB University	https://ipb.link/room1-2nd-ipb-icnf-2022 Meeting ID: Meeting ID: 943 8653 7012 Passcode: 981171
13.45 - 14.05	Poster presentation session 5 1. PD097FOP - Proximate Analysis and Antioxidant Activity Assay of Four Selected Indonesian Fruit: <i>Clausena excavata</i> , <i>Kadsura scandens</i> , <i>Pyrenaria serrata</i> , and <i>Phaleria macrocarpa</i> 2. PD117COP - Effect of Audio Visual Educational Media on Adolescent Knowledge of Anaemia in SMP 7 Jambi City, Indonesia 3. PD031COP - Acceptance of Catfish Nuggets to Improve the Health of Children Under Five Years Old in Preventing Stunting in the Coastal Area at Semarang	https://ipb.link/room1-2nd-ipb-icnf-2022 Meeting ID: Meeting ID: 943 8653 7012 Passcode: 981171
14.05 - 15.05	Oral presentation session 5 Zoom 1: Food Innovation 1. PD019FOO - A Preliminary Study on Protein and Mineral (Ca, P, Fe, And Zn) Content of Chicken Feet Porridge as Food Ingredient for Pregnant Women 2. PD077FOO - Cookies from Velvet Beans Tempeh (<i>Mucuna pruriens</i>) as Potential Snack from Indigeneous Legumes: Acceptability, Nutritional and Amino Acids Assessments 3. PD109FOO - Antioxidant Activity and Mineral Content of Pohpohan (<i>Pilea trinervia</i>) Nori with Yam (<i>Dioscorea alata</i>) Starch and Carrageenan 4. PL122FOO - Effect of Enzymatic Hydrolysis Time on Antioxidant Activity of Protein Hydrolysates from Sea Cucumber (<i>Holothuria scabra</i>) Moderator: Ms. Reisi Nurdiani, IPB University	https://ipb.link/room1-2nd-ipb-icnf-2022 Meeting ID: Meeting ID: 943 8653 7012 Passcode: 981171

Friday, 18 November 2022 (Day 2)

Time (GMT+7)	Activity	Zoom
14.05 - 15.05	Zoom 2: Community Nutrition 1. PD007COO - Nutrition Behaviours of Mothers and Preschool Teachers and Their Supporting and Inhibiting Factors: A Qualitative Research Using Focus Group Discussion 2. PD118COO - Consumption of Iron-Rich Food in Children Under Two Years in Urban and Rural Area in Indonesia: An Analysis of Indonesian Demographic And Health Survey 2017 3. PD060COO - Urinary Pyridinium Crosslinks as a Convincing Biomarker of Linear Growth in Adolescents <i>Moderator: Prof. Dr. Dodik Briawan, IPB University</i>	https://ipb.link/room2-2nd-ipb-icnf-2022 Meeting ID: Meeting ID: 975 1364 5677 Passcode: 872447
	Zoom 3: Food Innovation 1. PD014FOO - Fatty Acid Profiles of Virgin Coconut Oils Originated from Bangka 2. PD020FOO - Edible Insects as an Alternative Protein: A Mini Meta-Analysis 3. PL036FOO - Nutrient Content, Carbohydrate Profile and In Vitro Glycemic Index of Giant Swamp Taro [<i>Cyrtosperma Merkusii</i> (Hassk.) Schott] 4. PD025FOO - Essential Fatty Acid, Phospholipids, and Morphological Characteristics of Bone Marrow Microcapsules <i>Moderator: dr. Naufal Muharram Nurdin, IPB University</i>	https://ipb.link/room3-2nd-ipb-icnf-2022 Meeting ID: Meeting ID: 973 0585 0903 Passcode: 777573
	Zoom 4: Community Nutrition 1. PD053COO - Comparison of The Effectiveness of E-Booklets and Animation Videos on Knowledge and Attitude of Anemia in Adolescent Girls in Senior High School in Bogor, Indonesia 2. PD063COO - Impact of a Community-Led Health and Nutrition Training for Women of Oil Palm Smallholder Farmers in Riau, Sumatra, Indonesia 3. PD065COO - Changes in Knowledge, Attitudes and Fruit Consumption Practices of Participants in "Let's Drink Fruit" Program <i>Moderator: Prof. Dr. Ali Khomsan, IPB University</i>	https://ipb.link/room4-2nd-ipb-icnf-2022 Meeting ID: Meeting ID: 925 8798 8330 Passcode: 088650
	Oral presentation session 6 Zoom 1: Food Innovation 1. PD059FOO - Zinc and Iron Content of Biofortified Rice Variety Inpari IR Nutri Zinc 2. PD068FOO - Changes in Anti-Nutritional Compounds of Germinated Legumes: A Meta-Analysis 3. PD087FOO - Tiwai Coffee: Brightness and Sensory Characteristics and Their Effect on Human Immunity <i>Moderator: dr. Naufal Muharam Nurdin, IPB University</i>	https://ipb.link/room1-2nd-ipb-icnf-2022 Meeting ID: Meeting ID: 943 8653 7012 Passcode: 981171
15.05 - 16.05	Zoom 2: Community Nutrition 1. PD009COO - Factors Associated with Anaemia among Adolescents of Food Insecurity Households in Post-Disaster Suburban Areas 2. PD064COO - Nutritional Knowledge, Food Consumption, and Nutritional Status of Primary School Children at Teluk Batang Village, North Kayong District, West Kalimantan Province 3. PL119COO - The Effectiveness Info-Nutriteen® Education Program On The Knowledge, Attitudes And Practices of The Use of Nutrition Labels and The Nutritional Status of Adolescents <i>Moderator: Ms. Anna Vipta Resti Mauludyani, IPB University</i>	https://ipb.link/room2-2nd-ipb-icnf-2022 Meeting ID: Meeting ID: 975 1364 5677 Passcode: 872447

Friday, 18 November 2022 (Day 2)

Time (GMT+7)	Activity	Zoom
15.05 - 16.05	Zoom 3: Food Innovation 1. PD058FOO - Development of Inpari IR Nutrizinc Instant Rice: Physical Properties, Sensory Characteristics, and Nutrients Content 2. PD091FOO - Cocoyam (<i>Xanthosoma sagittifolium</i>) Noodles for Dyslipidemia: Physicochemical and Sensory Characteristics 3. PD107FOO - Potentials of Modified Beneng Taro (<i>Xanthosoma undipes</i> K.Koch) Flour as an Alternative Functional Food Ingredient <i>Moderator: Dr. Cesilia Meti Dwiriani, IPB University</i>	https://ipb.link/room3-2nd-ipb-icnf-2022 Meeting ID: Meeting ID: 973 0585 0903 Passcode: 777573
	Zoom 4: Community Nutrition 1. PD016COO - Child Nutrition Prior and During Early Pandemic and its Relation to Socio-Economic Status of Household in Bogor City 2. PL120COO - Development of Low-Fat Pamphlets Based on the Transtheoretical Model for Ischemic Stroke Patients 3. PL123COO - Knowledge, Attitude and Practice of Early Childhood Feeding among Parents in Malaysia <i>Moderator: Prof. Dr. Dodik Briawan, IPB University</i>	https://ipb.link/room4-2nd-ipb-icnf-2022 Meeting ID: Meeting ID: 925 8798 8330 Passcode: 088650
16.05 - 16.20	<u>Awards ceremony & Closing ceremony</u> Best paper awards <i>(Head of Scientific Committee of ICNF 2022: Prof. Dr. Ali Khomsan)</i> Closing remarks <i>(Dean of Faculty of Human Ecology, IPB University: Prof. Dr. Ujang Sumarwan)</i>	Link Zoom Meeting : https://ipb.link/room1-2nd-ipb-icnf-2022 Meeting ID: Meeting ID: 943 8653 7012 Passcode: 981171
16.20 - 16.25	<i>Closing of the conference</i>	

BAB 3 HASIL KEGIATAN

SEMINAR INTERNASIONAL ICNF 2022

Pada kegiatan konferensi internasional ICNF 2022, saya berkesempatan untuk melakukan oral presentasi dengan judul paper “*Weight Loss in Covid-19 Patients and its Relationship with Appetite Level and Energy Intake During Hospitalization*”. Peserta diberikan waktu selama 15 menit untuk mempresentasikan dan diskusi terkait dengan paper yang disajikan. Presentasi yang saya lakukan sesuai dengan waktu yang telah diberikan. Saya bisa mempresentasikan dengan baik dan menjawab pertanyaan dari peserta dan moderator.

Selama proses diskusi berlangsung, moderator bertanya mengenai metode yang digunakan dalam penelitian ini karena responden pada penelitian ini cukup sensitive yaitu pasien COVID-19 sehingga membuat moderator tertarik. Selain itu, pertanyaan dari peserta terkait siapa yang mengambil data karena pasien COVID 19 tidak bisa didatangi oleh orang luar selain tenaga kesehatan. Pada kesempatan itu, saya menjawab bahwa yang membantu melakukan penelitian ini yaitu mahasiswa yang bekerja di RS tersebut sebagai ahli gizi. Dalam kegiatan ini paper saya terpilih menjadi best paper award.

Secara keseluruhan, The 2nd IPB International Conference on Nutrition and Food (ICNF 2022) adalah sebuah konferensi yang sukses dan memberikan manfaat yang besar bagi para peserta. Kegiatan ini membawa kontribusi yang berarti dalam pengembangan pengetahuan dan riset dalam bidang gizi dan makanan, serta membuka peluang bagi kolaborasi dan pertukaran pengetahuan antara para ahli dan peneliti dari seluruh dunia.



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ICNF 2022

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is presented to

Harna

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ORAL PRESENTER

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"Nutrition and Food Innovation for Better Life"

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Amren
Prof. Dr. Ir. Ujang Sumarwan, M.Sc.
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Prof. Dr. Ir. Sri Anna Marliyati, M.Si
Head of Department of Community Nutrition
IPB University

SKP PERSAGI No. 1591/DPP-PERSAGI/SK/XI/2022 (2 SKP)



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ICNF 2022

Best Paper Award

2051/IT3.F9.1/DL.17/M/T/2022

with paper entitled

*Weight Loss in COVID-19 Patients and its Relationship with
Appetite Level and Energy Intake during Hospitalization*

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Weight Loss in COVID-19 Patients and its Relationship with Appetite Level and Energy Intake during Hospitalization

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Summary

COVID-19 patients tend to be through significant weight loss, and a decrease in the patient's appetite can result in weight loss. This study evaluates the relationship between energy intake, macronutrients, and appetite with changes in the body weight of COVID-19 patients. The study design was the cross-sectional approach. Data were collected on nutrient intake using 24-hour recall, measuring appetite levels using the Simplified Nutritional Appetite Questionnaire (SNAQ). There was a significant relationship between weight loss and energy intake during hospitalization. Weight loss was caused by a decrease in the level of appetite, resulting in a deficit in energy intake.

Keywords: Appetite level, COVID-19, energy intake, weight loss

Weight Loss in COVID-19 Patients and its Relationship with Appetite Level and Energy Intake during Hospitalization

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SUMMARY

COVID-19 patients tend to experience significant weight loss and a decrease of appetite which can result in weight loss. This study evaluates the relationship between energy intake, macronutrients, and appetite with changes in the body weight of COVID-19 patients. The study employed the cross-sectional approach. Data on nutrient intake were collected using 24-hour recall; appetite levels were measured using the Simplified Nutritional Appetite Questionnaire (SNAQ). There was a significant relationship between weight loss and energy intake during hospitalization. Weight loss was caused by a decrease in the level of appetite, resulting in a deficit of energy intake.

Keywords: Appetite level, COVID-19, Energy intake, Weight loss

INTRODUCTION

Weight loss in COVID-19 patients is likely to occur due to several factors. First, in critical and severe COVID-19 patients, SARS-CoV-2 infection can cause significant inflammation. (1). Second, decreased food intake will lead to malnutrition and diseases contributing to tissue wasting (2). In addition, dyspnea, dysgeusia, anosmia, anorexia, dysphagia, nausea, vomiting, and diarrhea may contribute to cachexia in COVID-19 patients. Third, immobilization may contribute significantly to muscle wasting and sarcopenia in COVID-19 patients (3). Patients with COVID-19 who suffer from nutritional and metabolic problems can experience weight loss (4). Providing the needed nutritional intake is one of the efforts to handle COVID-19 patients. However, little is known regarding the impact of COVID-19 on body weight changes and the causative factors. This study aimed to examine the relationship between appetite levels and energy intake with body weight changes in COVID-19 patients during hospitalization.

MATERIALS AND METHODS

The study employed the cross-sectional approach. The study was conducted at Pulmonary Hospital Karawang Regency from November to December 2021. The sample in this study included 25 samples. Inclusion criteria were hospitalized patients diagnosed with COVID-19 without comorbidities, willing to be a respondent, and cooperative. The exclusion criteria were that the patient

had a physical disorder or was in a weak condition. The respondents were monitored during hospitalization (7-10 days). Data on nutrient intake were collected through 24-hour recall every day; appetite levels were measured using the Simplified Nutritional Appetite Questionnaire (SNAQ). Body weight was measured twice, before and after hospitalization. Adequate levels of energy, protein, carbohydrates, and fat were grouped into two groups, namely adequate ($\geq 90\%$ RDA) and inadequate ($< 90\%$ RDA). Data analysis was performed with chi-square analysis.

RESULTS AND DISCUSSION

The distribution of the respondents' characteristics is shown in Table I; more than half of the respondents were male (64%), and the age group was between 46 and 55 years (60%). The length of stay of the respondents in the hospital for seven days was approximately 76%.

Table II shows that 88% of the respondents had weight loss. Table III shows a significant relationship between the level of energy adequacy and appetite level with weight loss ($p < 0.05$).

Weight loss and the risk of malnutrition are prevalent in COVID-19 patients. Weight loss that occurs in patients is caused by a decrease in appetite, which results in decreased energy intake. Decreased appetite can be caused by loss of taste. In addition, the patients experienced fear and sadness which reduce their desire

Lampiran 4. Foto Kegiatan

