

The 2nd International Conference on Nutrition
and Public Health 2021



Nutrition Resilience During Covid-19 Pandemic



Department of Nutrition
Faculty of Public Health
Hasanuddin University

29 November
30 2021



Abstract Book

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(Erni Yusnita Lalusua)
10. An Analysis Of Factors Affecting Early Complementary Foods On Infants Aged Below 6 Months In The Work Area Of Jeuram Community Health Center, Nagan Raya Regency In 2020
(Fitriani)
11. Determinants Of Stunting In Infants Aged 0-12 Months In Highly Risk Areas Of Stunting In South Sulawesi
(Nurmina H)
12. Literature Review The Effect Of Stimulus And Improving Nutrition On Growth In Children Aged 6 – 24 Months In Majene District
(Evawaty)
13. Games-Based Child Sexual Abuse Prevention In Schools : Literatur Review
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14. The Effect of Fat Intake and Fiber Intake on The Adults Central Obesity in the Grimaya Health Center, Pangkalpinang
(Ade Devriany)
15. Sedentary Activity And Excessive Daytime Sleepiness Correlation To Food Behavior Among University Students During Covid-19 Pandemic
(Salwa Parewasi)
16. Stunting Social Capital Disruption In South Sulawesi, Indonesia (Case Study On A 1000 Fdl Family In Bone And Enrekang District)
(Moh. Husni Thamrin)
17. Effectiveness Of Polymetric Skipping On The Nutritional Status Of Elementary School Age Children In Pangkajene Islands Regency
(Yulianita)
18. Spatial Analysis Of The Presence Of Rats In Three Student Housing Areas Of Makassar City State Universities
(Ardalif Lulhaq Musbir)



19. Efficacy Of Micronutrient and Macronutrient Interventions In Adolescent Nutritional Status: An Updated Systematic Review
(Lina Fitriani)
20. Correlation Of Hemoglobin and Mets Component In Teachers In Makassar City
(Nurhaedar Jafar)
21. The Effect Of Covid-19 Pandemic On Chronotype And Nutritional Status In Adolescents: Systematic Literature Review
(Puji Lestari, Eti Poncorini Pamungkasari, Tri Rejeki Andayani)
22. The Correlation of Knowledge And Attitude With Consumption Behavior Of Fruit And Vegetable As Prevention Effort From Covid-19 To Collage Students Of Technology In Bontang 2021
(Reskia Alwi)
23. A Description of Knowledge and Behavior of Women with Toddlers Regarding Balanced Nutrition In Hulawa, Gorontalo Regency
(Misnati)
24. Consumption Of Sugary Foods and Beverages Among Adolescents and Adults in Rural Areas
(Marini Amalia)
25. Practices Of Complementary Feeding, Nutrient Intake and Nutritional Status of Children Under 2 Years Old
(Sabaria Manti)
26. Dietary Pattern and Diet Quality as Determinants of Anemia Among Adolescents
(Olivia)
27. Nutritional Status and Physical Activity of Adolescents During Covid-19 Pandemic In Palangka Raya City
(Nirmalasari)
28. The Association Between Iodine Deficiency Disorders (Idd) Factor and Stunting Incidents In Children Under Two Year Old In Enrekang Regency
(Nur Ainin Alfi)



29. Correlation Among Iodine Deficiency Disorder, Stunting, And Cognitive, Language Development In Elementary School Children In Enrekang Regency
(Nur Zakiah)
30. Nutritional Status Among Adolescent Girls From Urban Small Island Of Indonesia
(Healthy Hidayanty)
31. Nutritional Status And Chronic Energy Deficiency Of Female Students During The Covid-19 Pandemic
(Wirawanti)
32. Self-Management Of Obese Women With Prediabetes: A Literature Review
(Acce Basri)
33. The Effect Of Nicotine Exposure On Appetite Loss And Nutritional Status Among Tobacco Farmer's Children
(Aryatika Karera)
34. Morbidity And Nutritional Status (Wasting) In Children Under Five Aged 12-59 Months In South Batui District
(Abdul Fandir)
35. Evaluating Website-Based Nutrition Dissemination Media For The Indonesian Population
(Andi Imam)
36. Knowledge, Breakfast Habits And Learning Achievement Are Significantly Associated With Short Nutritional Status In Children
(Nuryani)
37. Determinants Of Stunting Incidence In Elementary School Children Living In Endemic Areas Of Iodine Deficiency Disorders (IDD) In Enrekang Regency
(Nur Abri)
38. Body Image, Protein Intake, And Anemia Among Adolescent Girls
(Decvianti Ramdhana)
39. Effects Of Gambara'na On Nutritional Status Of Children And Pregnant Mothers: An Accelerating Stunting Reduction Program In South Sulawesi



(Veni Hadju)

40. The Determinant Of Chronic Energy Deficiency Incidence In Adolescent Girls In Locus Stunting In South Sulawesi
(Rahman Sugirah Nour)
41. Relationship Between Economic Status, Infectious Diseases And Excretion Iodine Urine With Stunting Incidence Of Elementary School Children In Idd Endemic Areas, Enrekang Regency
(Saifuddin Sirajuddin)
42. Associated Factor On Stunting Incidence Among Children In Bone And Enrekang Regency (Baseline Data Analysis From Gammarana Programs On 2020)
(Aisyah Noer Auliyah Madani Pertiwi)
43. Relationship Of Environmental Sanitation With The Nutrition Status Of Pregnant Women At Toaya Public Health Centre In 2021
(Miranti)
44. Impact Of Parenting Education On Knowledge And Practice Of First 1000 Days Of Life Among Mother In Makassar: Pre-Post Study
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45. The Relationship Between Calcium Levels In Breast Milk And The Event Of Stunting In Toddlers : A Systematic Review
(Nurhilda Resky Awalia Syam)
46. Chronic Energy Malnutrition In Mothers Is Associated With Stunting Incidence In Karawang Regency
(Alfi Fairuz)
47. Breastfeeding Practices During Infancy 0-23 Months Of Age In South Badui Subdistrict, Banggai District, Indonesia
(Reny)
48. Fetal And Neonatal Prognostic In Mothers With Coronavirus Disease-2019 Status, In Regional General Hospital Of Kebayoran Lama Jakarta, Indonesia
(Tongko)



49. Practice Of Complementary Feeding For Infants 6 – 23 Months In Lengkesa Village, Takalar Regency, South Sulawesi Province
(Icha Dian Nurcahyani)
50. Indonesian Version Of Breastfeeding Self-Efficacy Scale-Short Form: Antenatal And Postnatal Setting For Indonesian Working Women
(Isriani Ilyas)
51. Omega-3 Fatty Acid Intake And It Is Correlation With Severity Level Of Premenstrual Syndrome (Pms): A Case Study On Mentally Disabled Girl
(Muhammad Nur Hasan)
52. Anxiety Level And Food Insecurity Level Among Pregnant Women During COVID-19 Pandemic In Samarinda
(Risva)
53. Food Consumption And Chronic Energy Malnutrition In Pregnant Women In Southern Batui, Banggai District, Indonesia
(Muhammad Lulu Rigalu)
54. Risk Factors For Chronic Energy Deficiency In Pregnant Women During The Covid-19 Pandemic In Tanete Bulukumba Regency 2021
(Sukfitrianty Syahrir, Hikmah Nur Indah Sari, Syarfaini)
55. Determinants Of The Event Of Chronic Energy Lack (Kek) In Pregnant Women In Highly Risk Areas Of Stunting In South Sulawesi
(Irma)
56. The Effect Of Dioscorea On Reducing Blood Glucose Levels Of Diabetes Mellitus Disease: A Literature Review
(Marselina Sattu)
57. Ramania (*Bouea Macrophylla* Griffith) Extract As A Wound Healing Agent: A Literature Review
(Taufiqurrahman)
58. The Effect Of Adding Moringa Leaves On The Acceptability And Nutritional Value Of Red Dragon Fruit Syrup
(Hadi Novian Swasono)



59. How Does The Pharmaceutical And Nutraceutical Potential Of Cocoa Waste ? A Literature Study
(Rita Irma)
60. Macronutrient Profile And Calorie Content Of Dadiah Pudding, As A Dietary Supplement For Pregnant Women
(Taufiq)
61. Quality Evaluation Of Pumpkin Seeds (*Curcubita Moschata* Durch) Flour And Capsules As Food Supplements Protein And Zinc In Cookies
(Aminuddin Syam)
62. The Miracle Of *Moringa Oleifera* Leaves In Efforts Prevention Of Anemia: A Literature Review
(Dwi Wahyu)
63. Intervention Of Giving Ice Cream And Tea Takokak (*Solanum Torvum*) To Healthy People
(Nur Rahman)
64. Effect Of *Moringa Oleifera* Leaf As A Galactagogue On Breastfeeding Mothers : An Update Systematic Review
(Ita Sajek Prayekti)
65. Extract Of Torbangun (*Coleus Amboinicus* Lour) Leaves Inhibits The Expression Of PEPCK And G6Pase In Streptozotocin-Induced Diabetic Rats
(Meilla Dwi Andrestian)
66. Association Of Sago Consumption With Blood Glucose Level And Body Mass Index In Community Of Kepulauan Meranti Regency Riau Province; Sago As Functional Food
(Syartiwidya)
67. Nutritional And Functional Properties Of Protein From Rice Bran: A Review
(Ulfah Najamuddin Ambo Rappe)
68. The Effects Of *Moringa Oleifera* Leaves On Nutritional Status Of Children Under



Five Years
(Jamaludin M Sakung)

69. Food Security Analysis Towards The Under Five Stunting Children In The Coastal Area Of Soropia Konawe Southeast Sulawesi , Indonesia
(Rasmaniar)
70. Farmer's Behavior In Chemical Pesticide Use In Penyasawan Village, Kampar District, Kampar Regency
(Amalia)
71. Accessibility To Staple Food In Kepulauan Meranti Riau Province, Indonesia
(Gevisioner)
72. The Impact Of Food Packaging Rebranding Towards Vegetable Products Of Okefarm Neglasari Women Farmer Group
(Dimas Bayu Pinandoyo)
73. Polytechnic Of Health Ministry Of Health Banjarmasin, Indonesia
(Andrestian)
74. Effectiveness Of Health Education For Teenagers In Digital Era: A Review Of The Literature
(Muhlisa)
75. Socio-Culture In Maternal Care : A Review Of Literature
(Ramli)
76. Model Of Healthy Puskesmas In Islands To Support Healthy Cities In South Sulawesi Province, Indonesia
(Sukri Pallutturi)
77. Hiv Prevention Behavior In Serodiscordant And Seroconcordant Couples
(Yusnitasari)
78. Predisposing, Enabling And Reinforcing Factors Affect The Behavior Of Health Protocol Implementation : Path Analysis Model
(Yusriani)



79. Using Games To Promote Healthy
(Abdul Madjid)
80. A Review Of The Literature : How Women's Empowerment Relates To Coverage Of Antenatal Care Visits?
(Bintang Petralina)
81. Development And Evaluation Of Module And Educational Tools Using Self Determination Theory Among High School Teachers In Makassar City
(Nurzakiah)
82. Roles Of Tuha Peut Gampong In Healthcare Services For Pregnant Women
(Teungku)
83. Potential Of Sharia Hospital Services In South Sulawesi Readiness Of Community Based
(Rini Anggraeni)
84. The Potential Of Progressive Muscle Relaxation On Reducing Anxiety Level In Patients Diabetic Foot Ulcers
(Alfian Mas'ud)
85. Climate Change, Does It Affect Dengue Fever Cases? A Literature Review
(Ernyasih)
86. Does Land-Use Associate With Escherichia Coli Pollution In Karst Springs? A Review Of The Literature
(Salamat)
87. Does Mercury Related To The Severity Of Autism Spectrum Disorder (Asd)? A Review Of The Literature
(Nasruddin)
88. Is The Circular Economy A Way To Solve The Waste? A Systematic Review
(Patmawati)
89. Best Practice Of Prevention Of Covid-19 Transmission Through Small Island Region Quarantine: Study On Kadatua Island, South Buton District, Indonesia
(Zuardin)



90. Risk Factor Of Health Behavior To Non-Communicable Diseases In Makassar City, Indonesia
(Ahmad Isa)
91. Review Of Government Regulation Of The Republic Of Indonesia Number 47 Of 2021 Concerning The Implementation Of Hospital Sector
(Diah Mutiarasari)
92. Feasibility Study Of Android-Based Health Application “Dietducate” Using The Umars Method (End-User Version Of The Mobile Apps Rating Scale)
(Elita Dwi Nurrahmawati)
93. Development And Use Of Mobile Applications In Growth Monitoring Of Children Under-Five: Narrative Article Review
(Goi, Misrawatie)
94. Implementation Of School Health Program (SHP) At Amahatan Catholic Primary School, Raimanuk Sub-District, Belu District
(Elisabeth Sandria Lisu)
95. Assessment Of Maturity Models And Safety Culture In Various Hospitals: A Literature Review
(Sri Andayani)
96. The Impact Of Branding And Marketing On Patient Satisfaction: A Literatur Review
(M Arif Sutrisno Amin)
97. Sharia Hospital, Does It Affect Patient Satisfaction And Loyalty? : A Literature Review
(Kornadi)
98. Natural Plants As Alternative Anti-Bacteria In Drinking Water Disinfection: An Article Review
(Rahwan)
99. Dietary Diversity And Eating Patterns In Children With Under Nutritional Status
(Misroh Mulianingsih)
100. Epidemiology Model Quality Of Life Of Covid-19 Survivors In Makassar City
(Ida Leida Maria)



101. Root Cause Analysis Of Health Literacy For The Visual Impairment In Indonesia
(Mesra Rahayu)
102. The Effectiveness Of The Acceleration Of Stunting Reduction Program Through Convergence Action In Gowa District, South Sulawesi Province, Indonesia
(Asmita Yulianingsih Halim)
103. Does Telehealth Effect On Hospital Marketing? A Review Of The Literature
(Nurfardiansyah Burhanuddin)
104. Assessing The Benefits Of Moringa Biscuits As A Dietary Supplement To Improve The Breast Milk Of Breastfeeding Mothers
(Indah Puspasari Kiay Demak)
105. Education And Surveillance Of Following Events Post Covid-19 Immunization At General Hospital Tadulako, Palu
(Alfiah)
106. Knowledge, Attitude, And Practices Towards Balance Nutrition After Nutrition Education In Preconception Women In Takalar District, South Sulawesi, Indonesia
(Dea Zara Avila)
107. Changes In Breakfast, Snacks, Eating Habits, And Activities Of Indonesian S During Covid-19 Pandemic
(Rahayu Indriasari)
108. Identification Of Ectoparasites On Rats In Three Student Housing Makassar Public Universities
(Mochammad Al Anugerah Agus)
109. Identification Of Endoparasites On Rats In Three Student Housing Makassar Public Universities
(Syamsuar Manyullei)
110. Prevalence And Determinants Of Stunting In Children Aged 0-59 Months In Batui Selatan District, Banggai Regency
(Abdul Salam)



111. Spatial Dynamic Model Of Detergent Distribution In Well Water And Their Impact On Community Health In Small Island
(Agus Bintara Birawida)
112. Determinants Of Traffic Accident On Online Riders In Ambon City
(Yahya Thamrin)
113. A Literature Review Of The Relationship Between Iron Deficiency Anemia With Activity And Cognitive Function In Adolescents Girl
(Risma)

POSTER Presentation Section

69-115

1. Serum Zinc And Linear Growth In Underfive Children In Gianyar, Bali
(Ni Ketut Sutiari)
2. Implementation Of Balanced Nutrition In The Middle Of The Covid19 Pandemic Through Balanced Nutrition Education Video
(Nur Ayu)
3. Relationship Between Knowledge And Availability Of Vegetables And Fruit Consumption Among Students In Urban And Rural Areas Of South Sulawesi During The Covid-19 Pandemic
(Melinda)
4. Nutrient Adequacy And Quality Of Complementary Feeding Practices In 6-23 Months Of Age In South Batui Subdistrict, Banggai Regency, Indonesia
(Nur Sakinah)
5. Factors Related To Increasing Prevalence Of Obesity In Primary School Children During Covid-19 Pandemic
(Mita Arini)
6. Association Between Nutritional Status And Covid-19 Occurrence In RSKD Dadi, South Sulawesi Province
(Andi Nurlinda)
7. Relationship Between Emotional Eating With Nutritional Status Of Adolescents During Covid-19 Pandemic In Palangka Raya City
(Nirmalasari)
8. Determinants Of Stunting In Infants Aged 12-24 Months In Highly Risk Areas Of Stunting



In South Sulawesi
(Hasra Ryska)

9. Nutritional Education Based On Social Cognitive Theory Of Dietary Pattern Adolescents Malnutrition In The Small Island Of Makassar City, South Sulawesi.
(Siti Arum Wulandari)
10. Correlation Sosioeconomic, Inadequate Nutrients Intake And Wasting Status On Preconception Women In Takalar District
(Rahayu Nurul Reski)
11. Attitude And Behaviour Of The Elderly In Prevention Of Hypertension
(Muhamad Fauzi)
12. Determinant Of The Fine Motor Development To The Stunting Toddlers In Maros Regency, South Sulawesi, Indonesia
(Hasriwiani Habo Abbas)
13. Literature Review: Physical Activity As Obesity Management In School-Age Children
(Ghea Fricillia)
14. Factors Associated With Gestational Hypertension In The Work Area Of The Kading Health Center, Bone Regency In 2021
(Malka)
15. Momasi Education On Lactation Management In Primiparas (0-3 Months) In Sudiang Raya Public Health Center, Makassar City, South Sulawesi
(Wahdaniyah)
16. Analysis The Role Of External Factors On Mother's Decision To Conduct Early Initiation Of Breastfeeding In The Work Area Of Toddopuli Health Center, Makassar City, Indonesia
(Ridwan Mochtar Thaha)
17. Improvement Of Complementary Feeding Practices: A Community Program To Accelerate Stunting Reduction In Takalar District, Indonesia
(Veni Hadju)
18. Determinant Of Pre Menstrual Syndrome Complaints On Women Workers



(A. Muflihah Darwis)

19. Determinants Of Iodine Deficiency Disorders (Idd) Among Women Of Reproductive Age In Endemic Areas, Enrekang Regency
(Alfiansyah)
20. Fermented Milk With Additional Beet Root And Yellow Sweet Potato As Prebiotics
(Zaddana, Cantika)
21. Tempeh-Fish Sausage As A High Protein Snack For Breastfeeding Women
(Ade Devriany)
22. The Effect Of Functional Flour On Sensory Quality, Level Of Protein And Zinc In Cookies
(Nadimin)
23. Consumption Patterns Of Milkfish (Chanos C.) And Lead (Pb) Exposure On The Coastal Population Of Tarakan
(Blego)
24. Transmission Risk Of Covid-19 In Bontoramba District Jeneponto
(Andi Tilka)
25. Event Of Bullying On Anxiety Level Elementary School Age Children
(Eni)
26. Utilization Of Rainwater As Consumable Water With Rainwater Harvesting Method: A Literature
(Sandy)
27. The Effect Of Work Family Conflict (Wfc) On Sleep Quality And Nurse Performance In Makassar City Hospital
(Syamsiar Russeng)
28. A Review: Leadership Competency In Supporting National Resilience Covid-19 Pandemic
(Silviani Kesuma)
29. Why Is It Important To Study Health Law In Health Colleges? A Riview Ot The



Literature

(Astrid Dewi Prabaningtyas)

30. Evaluating The Quality Criteria Of Hospital Websites: A Systematic Review
(Antonius)
31. Aedes Mosquito Resistance And Effectiveness Of Biolarvicides On Aedes Vector Mortality”: A Literature Review
(Bambang)
32. The Effect Of Health Promotion On Mothers Knowledge Of Stunting Prevention In Toddlers : Literature Review
(Ghodiq)
33. The Effect Of Covid-19 Pandemic On Physical Activity And Mental Health In Adolescents: Systematic Literature Review
(Puji Lestari)
34. Modifiable Risk Factors Associated With Type 2 Diabetes Mellitus And Hypertension: A Cross Sectional Study
(Andi Yusnitasari Wahiduddin)
35. Implementation Of Health Protocol In Effort To Prevent The Spread Of Covid-19 And The Use Of Corona Likelihood Metric On Students
(Vera Diana)
36. Teledentistry And Patient’s Satisfaction In Pandemic Covid-19: A Literature Review
(Ilmianti)
37. Ovitrap Density And Mosquito Bite Preventions In The Pampang Community Health Center Work Area, Makassar City
(Hasanuddin Ishak)
38. Influence Of Caloric Restriction On Body Composition At Young Age
(Nur Asmar Salikunna)
39. The Relationship Of Sanitation To The Nutritional Status Of Preconception Women At The Kaleke Health Center
(Miranti)



40. Analysis Of Factors Associated Anemia In Pregnant Women In Puskesmas Bulili Palu, Indonesia
(Gabriella Bamba Ratih Lintin)
41. The Effect Of Gembili Starch (*Dioscorea Esculenta*) On Triglyceride Levels In Diabetic Wistar Rats Induced With Streptozotocin
(Tri Setiawaty)
42. Contents Of Pathogenic Bacteria In The Peanut Sauce On Siomay Snacks At University Of Tadulako
(Christin RN)
43. Relationships Between Parental Education And Overweight With Children Overweight 10-15 Years Old
(Sumarni)
44. The Relationship Between Banana Dan Coffee Consumption And Migraine Attacks Among Male Prison Inmates In Palu's City
(Fitri)
45. Relationship Nutritional Status And STH Infection
(Ayu Sekarani)
46. Obesity And Inflammation
(Haerani Harun)
47. A Study On Effect Of Oral Administration Moringa Oleifera On Cholesterol In Streptozotocin-Induced Diabetic Rats (*Rattus Norvegicus*)
(Rabiatul)
48. Relationship Between Body Mass Index And Risk Of Heart Disease And Stroke
(Sari Puspita, Miranti, Mutiarasari Diah, Pakaya David)



WELCOME SPEECH OF THE 2ND ICNPH CHIEF

Greetings from Makassar

We are looking forward to the gathering of scientists and researchers from nationwide and global world interested in nutrition and public health to share new ideas with colleagues and make new friends in a 2-days online conference between 29th and 30th November 2021 at the 2nd International Conference on Nutrition and Public Health (ICNPH-2021) .

The theme of ICNPH-2021 is “Nutrition Resilience During Covid-19 Pandemic”.

The goal of this conference is to share knowledge and experiences about the importance of nutrition interventions and programs during the covid-19 including its relevancy to improve immunity, dietary behavior, prevention non-communicable diseases, and food security. Updates on recent research will ensure the invaluable inputs for development or refinement of nutrition and public health policy.

We are delighted and thankful for your participation and look forward to seeing you all in this virtual event that hosted by Departement of Nutrition Science, Public Health Faculty, Hasanuddin University, Indonesia

Enjoy the conference!

Rahayu Indriasari, PhD
Chair, Organizing Committee



WELCOME SPEECH OF THE DEAN

Welcome Speech by
Dr. Aminuddin Syam, SKM, M.Kes, M.Med.Ed
DEAN, FACULTY OF PUBLIC HEALTH
HASANUDDIN UNIVERSITY

OPENING OF the 2nd INTERNATIONAL CONFERENCE ON
NUTRITION AND PUBLIC HEALTH
Nutrition Resilience During Covid-19 Pandemic

Monday, 29 November 2021, 8.45 am

Guest of Honor,
Representative of the Minister for Health of Republic of Indonesia
Guest of Honor,
Vice Rector for Research, Innovation, and Partnership of Hasanuddin University
Distinguished Speakers,
Conference Participants,
Colleagues,
Ladies and gentlemen,

Assalamualaikum warahmatullahi wabarakatuh,
Good Morning

It is a great honour to welcome you all to the second International Conference on Nutrition and Public Health. Firstly, I would like to express my gratitude towards you all who sincerely contributed to this event to make it a success. Especially to all speakers, distinguished guests, participants, committee, and volunteers. Thank you for your time, hard work, and determination.

To our eminent speakers and delegates who have join to this event, I bid you a very warm welcome. We are indeed honoured to have you here with us.

Ladies and Gentlemen,
As the rest of the world, we are still facing the pandemic of Covid-19. This pandemic causes



changes in daily life and impacts various sectors, not only health but the economy as well. This situation requires each and every single one of us, no matter in what stage of life we are in, to maintain and improve our immune system. By means, being physically active, resting sufficiently and consuming adequate nutrition.

Various therapeutic efforts for Covid-19 have been done to accelerate the healing process and prevent further damage, one of which focuses on the patient's nutritional adequacy. Studies have suggested that specific nutrients have a positive effect in battling the disease and preventing the infection itself. However, fulfilment of dietary requirements is a complex issue. It is necessary to involve various related sectors to archive optimal results.

Therefore, this conference aims to provide a platform for researchers, academicians, and other sectors to share the latest and updated information on studies and findings of various aspects of nutrition and public health.

We hope this conference will benefit many parties and expand our understanding of current issues associated with nutrition in Covid-19 for scientists and other related professions.

I wish you a very productive conference with exciting and encouraging discussions and exchange of knowledge.

Thank you.



OUR SPEAKERS

No

1

Speakers



Dr. Julia B. Finkelstein, MD

Associate Professor of Epidemiology and Nutrition

Associate Director, World Health Organization Collaborating Centre

Deputy Director, Affiliate Cochrane Centre for Nutrition

Division of Nutritional Sciences, Cornell University

Associate Professor, St. John's Research Institute, Bangalore, India

Presentation Title

Periconceptional Biomarker Surveillance in Southern India: Informing Interventions to Improve Maternal and Child Health in the COVID-19 Era

2



Dr. Ir. Suprayoga Hadi, MSP

Associate Expert Planner at the Deputy for Regional Development, Ministry of National Development Planning/BAPPENAS

Impact of COVID-19 on Stunting Reduction Acceleration in Indonesia

XX



3



Dr. Ir. Doddy Izwardi, MA

Puslitbang Upaya Kesehatan Masyarakat, Kementerian Kesehatan RI

**Impact of COVID-19 on Nutrition
Problems in Indonesia during
2020-2021**

4



Beben Benyamin, PhD

Australian Centre for Precision Health, University of South Australia

Immunity and COVID-19

5



Prof. Dr. Ir. Ahmad Sulaiman, MS., PhD

**Food Innovation to Improve
Immunity**

6



Dr. dr. Fiastuti Witjaksono, MKM, MS., Sp.GK(K)

**Update on Nutrigenomics in
Indonesia**



7



Dr. dr. Yulia Sofiatin, Sp.PD

Department of Public Health, Medical Faculty, Universitas Padjadjaran, Bandung

Covid 19 and Non-Communicable Diseases

8



Assoc. Prof. Foo Leng Huat, PhD, FNSM

9



dr. Rina Agustina, M.Sc., PhD

10



Prof. Soekirman SKM, MPS-ID., PhD

Covid 19, Poverty, Hidden Hunger (Stunting), and Food Fortification



11



Prof. Keith P. West, DrPH

*Center for Human Nutrition, Department of International Health, Johns Hopkins
Bloomberg School of Public Health*

**Protecting Mother and Fetus via
Micronutrient Adequacy Early in
Pregnancy**

12



Prof. dr. Veni Hadju, M.Sc. PhD

Department of Nutrition, School of Public Health, Hasanuddin University, Indonesia

**A Potential of Moringa Oleifera
Supplement during Pregnancy in
Reducing Stunting in Indonesia**

13



Assoc. Prof. Saurabh Mehta, MBBS., ScD

**Infant Feeding in COVID-19
Context**



OUR MODERATORS

No
1

Moderator



Dr Healthy Hidayanti, SKM., MKM

Nutrition Department of Faculty of Public Health, Hasanuddin University

Indonesian Centre for Nutrition Studies (ICONS) of Faculty of Public Health, Hasanuddin University

2



dr. Devintha Virani, Sp.GK

Nutrition Department of Faculty of Public Health, Hasanuddin University

Indonesian Centre for Nutrition Studies (ICONS) of Faculty of Public Health, Hasanuddin University

Coventry University, UK

3



Ulfa Najamuddin, S.Si., M.Kes

Nutrition Department of Faculty of Public Health, Hasanuddin University

Indonesian Centre for Nutrition Studies (ICONS) of Faculty of Public Health, Hasanuddin University

School of Agriculture and Food Sciences, The University of Queensland





Sabaria Manti Battung, SKM., M.Sc

Nutrition Department of Faculty of Public Health, Hasanuddin University

Indonesian Centre for Nutrition Studies (ICONS) of Faculty of Public Health, Hasanuddin University

Faculty of Medical Sciences, University of Groningen



CONFERENCE PROGRAM

DAY I MONDAY, 29 NOVEMBER 2021

| TIME (Central Indonesian Time) | SCHEDULE |
|--------------------------------------|---|
| 08-00-08.30 | Registration |
| 08.30-09.20 | Opening Ceremony |
| 08.30-08.40 | Welcome Dance and Welcome from MC |
| 08.40-08.45 | Indonesia Raya |
| 08.45-08.50 | Pray |
| 08.50-09.00 | Welcoming speech from Dean of Public Health Faculty, Hasanuddin University |
| 09.00-09.20 | Welcoming speech from Rector of Hasanuddin University |
| 09.20-09.40 | Keynote Speech |
| 09.20-09.40 | Opening from Directorate General of Public Health, Ministry of Health Republic of Indonesia drg. Kartini Rustandi, M.Kes. |
| 09.40-11.00 | Plenary Session I: Maternal and Child Health during COVID-19 Pandemic Moderator: Dr. Healthy Hidayanty, SKM., M.Kes. |
| 09.40-10.00 | Dr. Ir. Suprayoga Hadi, MSP <i>Impact of COVID-19 on Stunting Reduction Acceleration in Indonesia</i> |
| 10.00-10.20 | Dr. Ir. Doddy Izwardi, MA <i>Impact of COVID-19 on Nutrition Problems in Indonesia during 2020-2021</i> |
| 10.20-10.40 | Assoc. Prof. Dr. Julia L. Finkelstein, ScD, MPH <i>Periconceptional Biomarker Surveillance in Southern India: Informing Interventions to Improve Maternal and Child Health in the COVID-19 Era</i> |
| 10.40-11.00 | Discussion |
| 11.00-12.00 | Oral Presentation |
| 12.00-13.00 | Break |



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| 13.00-14.20 | Plenary Session 2: Recent Studies on Immunity and COVID-19 Moderator: dr. Devintha Virani, M.Kes., Sp.GK |
| 13.00-13.20 | Beben Benyamin, Ph.D <i>Genomic Application in Public Health Research: The Effects of Iron Biomarker on Diseases</i> |
| 13.20-13.40 | Prof. Dr. Ir. Ahmad Sulaeman, MS., Ph.D <i>Food Innovation to Improve Immunity</i> |
| 13.40-14.00 | Dr. dr. Fiastuti Witjaksono, MKM, MS, Sp.GK(K) <i>Update on Nutrigenomics in Indonesia</i> |
| 14.00-14.20 | Discussion |
| 14.20-15.00 | Oral Presentation |



DAY 2
TUESDAY, 30 NOVEMBER 2021

| TIME (Central Indonesian Time) | SCHEDULE |
|--|---|
| 08-00-08.30 | Registration |
| 08.30-10.10 | Plenary Session 3: COVID-19 and Degenerative Diseases Moderator: Ulfah Najamuddin, S.Si., M.Kes. |
| 08.30-08.50 | Dr. dr. Yulia Sofiatin, Sp.PD <i>COVID-19 and Hypertension</i> |
| 08.50-09.10 | Assoc. Prof. Foo Leng Huat, Ph.D., FNSM <i>Obesity and Food Environment in the Covid-19 Pandemic</i> |
| 09.10-09.30 | dr. Rina Agustina, M.Sc., Ph.D <i>Dietary Quality and Non Communicable Disease</i> |
| 09.50-10.10 | Discussion |
| 10.10-12.00 | Plenary Session 4: Policy and Program of Nutrition Resilience during COVID-19 Pandemic Moderator: Sabaria Manti Battung, SKM., M.Kes., M.Sc. |
| 10.10-10.30 | Prof. Soekirman, SKM, MPS-ID, Ph.D <i>Fortification</i> |
| 10.30-10.50 | Prof. Keith P. West, DrPH <i>Protecting Mother and Fetus via Micronutrient Adequacy Early in Pregnancy</i> |
| 11.10-11.30 | Prof. dr. Veni Hadju, M.Sc., Ph.D <i>A Potential of Moringa Oleifera Supplement during Pregnancy in Reducing Stunting in Indonesia</i> |
| 11.30-11.50 | Elizabeth Centeno-Tablante, Dr. Melisa Medina-Rivera (from Assoc. Prof. Dr. Saurabh Mehta's Team) <i>Infant Feeding in COVID-19 Context</i> |
| 11.50-12.10 | Discussion |
| 12.10-13.00 | Break |
| 13.00-14.00 | Oral Presentation/Poster Presentation |
| 14.00-15.00 | Oral Presentation |
| 15.00-15.30 | Closing Ceremony |



MACRONUTRIENT PROFILE AND CALORIE CONTENT OF DADIAH PUDDING, AS A DIETARY SUPPLEMENT FOR PREGNANT WOMEN

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ABSTRACT

Background :

Optimal supply of maternal nutrients during pregnancy is positively related to birth outcomes. Dadiah, known as a potential source of probiotics from West Sumatra, Indonesia also contains macronutrients. This study aims to determine the daily intake of pregnant women in West Sumatra and whether dadiah pudding as modified original dadiah can maintain the contents of carbohydrate, protein, and fat as an energy source.

Methods :

Energy and macronutrient intakes of 208 pregnant women during the first trimester were assessed using repeated twenty-four-hour diet recall. Dadiah pudding was produced using dadiah from Bukittinggi, West Sumatra. Carbohydrate, protein, and fat levels were analyzed according to the Indonesian National Standard (SNI) and total calories were calculated using the 4:4:9 kcal/g conversion.

Results :

Our study revealed that 85.6%, 95.2%, 46.2%, and 61.1% of pregnant women had inadequate intakes of energy, carbohydrate, protein, and fat, respectively. The mean daily energy intake was 1706.14±470.44 kcal, 219.87±67.45 g of carbohydrate, 69.29±22.73 g of protein and 61.35±24.33 g of fat. There were 2.09 and 6.49 g of carbohydrate (SNI 01-2891-1992,9), 7.91 and 6.12 g of protein (SNI 01-2891-1992,7.1), 19.56 and 23.31 g of fat (SNI 01-2891-1992,8.1), 216.04 kcal and 260.23 kcal, respectively in 100 g of original dadiah and mango dadiah pudding.

Conclusions:

This research found that there were changes in the levels of carbohydrate, protein, fat, and total calories content due to the addition of ingredients and processes during the making of dadiah pudding. We suggest that dadiah pudding may be a good choice as a maternal supplement to fulfill macronutrient and calorie intake to optimize birth outcomes.

Keywords: *Dadiah, dietary supplement, pregnant women*

