



SEAMEO RECFON ANNUAL REPORT 2021-2022





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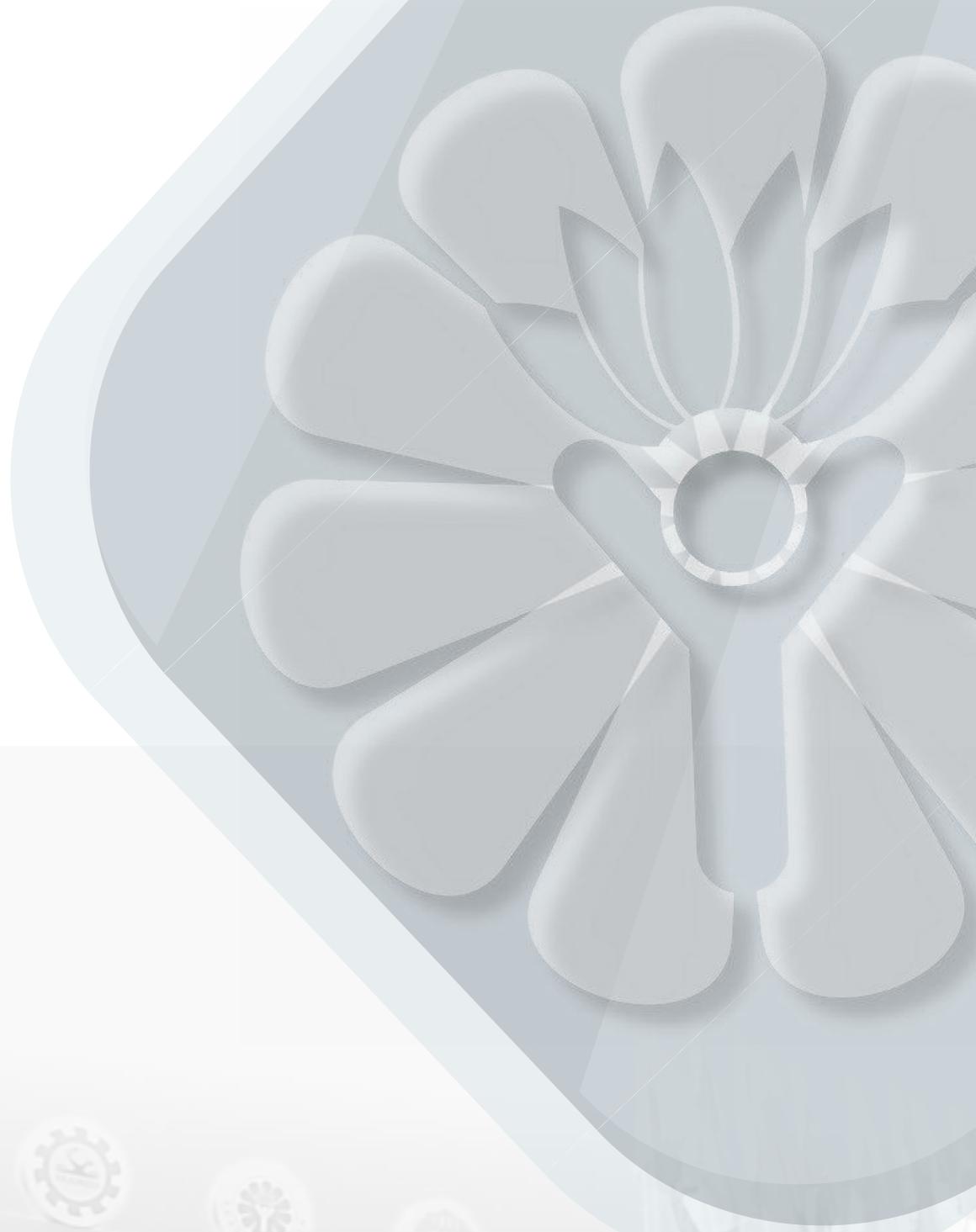
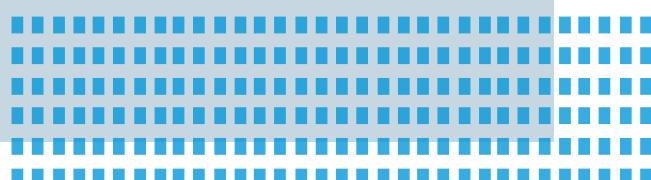




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Message from the Governing Board Chair



Together with my co-Governing Board members, I congratulate SEAMEO RECFON on its achievements during the Fiscal Year 2021-2022 which is the first implementation year of its Third Five-Year Development Plan (FYDP 2021/2022-2025/2026)!

Operating for 11 years now, SEAMEO RECFON has remained steadfast in its commitment to contribute to enhancing the capacities of human resources in Southeast Asia in the areas of food and nutrition through its mandates in research, training, community development, information exchange and partnership. The Centre's achievements during the fiscal year in review, despite the COVID-19 pandemic, attest to this sustained commitment.

The Governing Board commends the Centre for officially launching its new flagship program on Nutrition Goes to Workplace (NGTS) during our Governing Board Meeting in September 2021 as part of its Third FYDP.

We believe that this Program is relevant and timely considering the growing incidents of non-communicable diseases due to malnutrition problems among the working population in the region, especially with school teachers and other education personnel. We applaud the Centre for getting the approval of the SEAMEO Council via ad referendum for the regional implementation of its three special initiatives, namely: Southeast Asian School-Based Nutrition Promotion Working Group, Southeast Asian Food and Nutrition Experts Hub, and the Learning Opportunities through Voluntary Engagements (LOVE) for young professionals and graduate students

We are pleased to see increases in the number of partnerships, publications, training alumni, and media exposures of the Centre as well as in acquiring several intellectual property rights for its research outputs and training courses during the fiscal year in review. We also praise the Centre for continuously allowing its staff members to acquire new technical and administrative knowledge and skills by attending in-house and external capacity building activities to improve its operations.

We thank the SEAMEO RECFON's board of directors and staff members for their dedication to continue delivering services towards improving the quality of life of its stakeholders through its various mandated activities related to food and nutrition. The Governing Board members feel privileged for being able to provide recommendations on the Centre's programs and activities to be more relevant to its stakeholders.

We believe that we will see more significant progress in the Centre's operation in the years to come!

Lwin Mar Hlaing
Governing Board Chair

Message from the Director

The Fiscal Year 2021-2022, which also coincided with our Centre's 11th year of operation, marked the start of our Centre's Third Five-Year Development Plan (FYDP 2021/2022 - 2025/2026). With a new vision, mission and goal, our Centre seized all opportunities during the fiscal year in review to accomplish several milestones and improve our capacity to become a center of excellence in food and nutrition in Southeast Asia through our research, training, community development, information dissemination and partnership mandates.

We are proud to have officially launched our new flagship program on Nutrition Goes to Workplace (NGTW) which we consider a major milestone during the fiscal year in review. With this new program, our Centre stays true to our lifespan approach in addressing the food and nutrition concerns of our stakeholders. We envision the NGTW program to enhance the productivity and well-being of working adults through an integrated implementation of appropriate community nutrition and occupational health interventions. We also consider the approval of three of our Third FYDP special initiatives for regional implementation by the SEAMEO Council as well as the redefinition of our research areas as another milestones to help achieve our vision, mission and goal and be more responsive to several Sustainable Development Goals.

Despite the Covid-19 pandemic, we are pleased with the progress we obtained in implementing our mandates during the fiscal year in review. We were humbled by the demands from several district governments in Indonesia to partner with us to address stunting prevalences and other nutritional problems in their respective localities. Our research and community development efforts enabled us to produce regional reference materials for teaching-learning process and publish scientific articles in international and national refereed journals. The quality of our training courses and research outputs have been recognized as evidenced by the intellectual property right certifications we acquired.

These achievements were made possible through the continued support of the Government of Indonesia, SEAMEO Secretariat, our Governing Board and our partner-institutions as well as through the cooperation and trust of our other stakeholders and beneficiaries.

We will certainly continue to commit our Centre in providing relevant and appropriate products and services in the areas of food and nutrition towards improved human resources in our region.



Muchtaruddin Mansyur
Director of SEAMEO RECFON

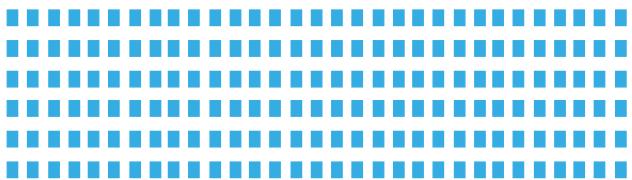


Acknowledgements

We highly appreciate the support and guidance from our Governing Board members, the Ministry of Education, Culture, Research and Technology of Indonesia as our host institution, the SEAMEO Secretariat and the SEAMEO Council for enabling our Centre to accomplish our targets for the fiscal year in review towards realizing our vision, mission and goals.

We also would like to extend our appreciation to our partner-institutions, particularly our academic and school partners, and the rest of our stakeholders for their continued collaboration and trust in us to implement research, capacity building and community development activities during the fiscal year in review towards achieving our common objectives together in the areas of food and nutrition.

We look forward to stronger and expanded partnerships in the future.



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SEAMEO RECFON Collection

Abbreviations

CTNH-IMU	: Centre for Transformative Nutrition and Health of the International Medical University Malaysia
DFAT	: Department of Foreign Affairs and Trade Australia
ECCNE	: Early Childhood Care, Nutrition and Education
ECD	: Early Childhood Develop
FY	: Fiscal Year
FYDP	: Five Year Development Plan
GMP	: Good Manufacturing Practices
HACCP	: Hazard Analysis Critical Control Points
HNPPM	: Health and Nutrition Project/Program Planning and Management
HPLC	: High Performance Liquid Chromatography
ICC	: Inter-Centre Collaboration
IPAN	: The Institute for Physical Activity and Nutrition (IPAN) Australia
ISO	: International Organization for Standardization
LOVE	: Learning Opportunities via Voluntary Engagements
MoECRT	: Ministry of Education, Culture, Research and Technology
MOU	: Memorandum of Understanding
NGTS	: Nutrition Goes to School
NGTW	: Nutrition Goes to Workplace
PAUD	: <i>Pendidikan Anak Usia Dini</i> (Early Childhood Education)
PAUD HI	: <i>Pengembangan Anak Usia Dini Holistik Integratif</i> (Holistic Integrative Program in Early Childhood Education and Development)
PGT	: Post-Graduate Training
RFP	: Research Fund Program
SBNP	: School-Based Nutrition Promotion
SD	: <i>Sekolah Dasar</i> (Elementary School)
SEAMEO	: Southeast Asian Ministers of Education Organization
SEAMEO CHAT	: SEAMEO Regional Centre for History and Tradition
SEAMEO RECFON	: SEAMEO Regional Centre for Food and Nutrition
SEAMEO SEARCA	: SEAMEO Regional Centre for Graduate Study and Research in Agriculture
SEAMEO SEN	: SEAMEO Regional Centre for Special Education Needs
SEAMEO TED	: SEAMEO Regional Centre for Technical Education Development
SEAMEO VOCTECH	: SEAMEO Regional Centre for Vocational and Technical Education and Training
SMA	: <i>Sekolah Menengah Atas</i> (Senior High School)
SMK	: <i>Sekolah Menengah Kejuruan</i> (Vocational High School)
SMP	: Sekolah Menengah Pertama (Junior High School)
SNI	: Standar Nasional Indonesia
STEM	: Science, Technology, Engineering, and Mathematics
TB	: Tuberculosis
TNA	: Training Needs Assesment
TOT	: Training of trainers
UI	: Universitas Indonesia
UKRI GCRF	: United Kingdom Research and Innovation the Global Challenges
UPLB	: University of the Philippines Los Banos
USSEC	: U.S Soybean Export Council
WDF	: World Diabetes Federation

Executive Summary

This annual report heralds SEAMEO RECFON's significant accomplishments during the fiscal year 2021-2022 under SEAMEO RECFON's Key Result Areas, namely: regional leaderships, regional visibility and solid resource base.

Regional Leadership

SEAMEO RECFON officially launched its third flagship program on Nutrition Goes to Workplace (NGTW) during its 11th Governing Board Meeting (virtual mode) as part of its Third Five-Year Development Plan (FYDP 2021/2022 - 2025/2026). This Program focuses on enhancing the productivity and well-being of working adults toward enabling them to contribute to their family's welfare and company's viability through an integrated implementation of appropriate community nutrition and occupational health interventions.

The Centre continued to initiate new activities under its two flagship programs on Early Childhood Care, Nutrition and Education (ECCNE) and Nutrition Goes to School (NGTS), that are geared toward addressing the food and nutrition concerns of under-five children, and school children and adolescents, respectively. The NGTS Program successfully launched five School-Based Nutrition Promotion country profiles and a compilation book on healthy school canteen policies, programs and best practices in Southeast Asia as reference materials for school heads, teachers, students, researchers and program implementers in promoting good health and nutrition among school community members.

The Centre completed 19 research projects during the period in review which were funded through its annual budget allocation from the Government of Indonesia. These research projects addressed issues related to the targets of its ECCNE and NGTS Programs. The Centre also completed a systematic review of research works on WASH and nutrition interventions in schools in Southeast Asian countries as part of the project commissioned by GIZ which aimed to document the existing nutrition and/or WASH programs in ASEAN and identify evidence on the link between WASH and nutrition interventions on students' health and academic performance. Three of the Centre's research project outputs obtained intellectual property right certifications from the Government of Indonesia. To better fulfill its new vision, mission, and goals, SEAMEO RECFON redefined its research areas as follows: (1) Food Safety, Security, and Environments, (2) Optimal Nutrition throughout the Life Course, and (3) Nutrition, Health, and Productivity Nexus.

Regional Visibility

SEAMEO RECFON held several national and regional activities for its various stakeholders during the period in review.

The Centre held its 3rd Youth Creativity in Nutrition (Youth Creation) Competition focused on the theme “STEM in Adolescent Nutrition” in 2021. The competition was aimed to harness the creativity of high school students in Southeast Asia in using the concepts of Science, Technology, Engineering and Mathematics (STEM) to address malnutrition problems confronting them.

In celebrating its 11th anniversary with the theme “Sustaining Good Nutrition for All Amidst Covid-19 Pandemic,” SEAMEO RECFON organized national and international webinars and a talkshow featuring experts from government and academic institutions from Cambodia, Indonesia, Malaysia, the Philippines and Thailand. SEAMEO RECFON also held three regional webinars as part of its regular capacity building activities, as well as one regional training course and three national/in-country training courses, all via online mode, during the fiscal year in review. One of the national/in-country training courses was on NGTS for technical vocational schools in Cambodia in partnership with the SEAMEO Regional Centre for Technical Education Development (TED). As a partner of Universitas Indonesia for its Master of Science degree in Nutrition, SEAMEO RECFON conducted nine of its 14 post-graduate training (PGT) courses from November 2021 to April 2022.

SEAMEO RECFON awarded research grants to seven academic staff from universities and research institutions, and teachers from primary and secondary schools in Indonesia. The Centre published 32 scientific articles in national and international refereed journals.

The Centre established 17 new partnerships and extended 3 collaborative arrangements with local government units, academic institutions, and development agencies within Southeast Asia. To develop more solid communication strategies through mass media coverage, SEAMEO RECFON conducted a media monitoring analysis towards the end of 2021. Together with a reputable national mass media institution in Indonesia, SEAMEO RECFON evaluated the news releases about its activities throughout 2021 that have been published in print and online.

Solid Resource Base

SEAMEO RECFON's yearly operations are mainly funded by the Government of Indonesia and partly through partner-institutions particularly for research and capacity building, and information dissemination activities. Ongoing research activities are funded through the UK Hub on Action Against Stunting, Wellcome Trust, Deakin University, The Union (Bloomberg), and SEAMEO SEN. New research and communication campaign projects initiated during the period in review are funded by the World Food Program and the U.S Soybean Export Council (USSEC), respectively.

SEAMEO RECFON provided opportunities for administrative and program staff members to attend several in-house as well external training activities on specific topics related to their functions. The Centre organized a training on performance evaluation and living out the Centre's Core Values for all staff members.

On 2-3 February 2022, SEAMEO RECFON's laboratory service once again passed the reaccreditation for quality management system as required by SNI ISO/IEC 17025:2017. SEAMEO RECFON acquired Quansys Kits on 8 April 2022 through funding from the Government of Indonesia. This equipment is for examination of micronutrient panels. The Centre's laboratory has also developed a video demonstrating HPLC and ELISA method analysis as a teaching aid for students. The video is available online for free (or upon request) for non-commercial use.

SEAMEO RECFON at a Glance

Our Centre is one of the 26 specialist centres of the Southeast Asian Ministers of Education Organization (SEAMEO) established in 2011 and based in Jakarta, Indonesia.

Through the years, our Centre has adopted the life span approach in providing food and nutrition interventions to combat malnutrition problems of our target groups in Southeast Asia. This approach is reflected in our three flagship programs, namely: (1) Early Childhood Care, Nutrition and Education (ECCNE) focusing on providing optimal growth and development for under-five children, (2) Nutrition Goes to School (NGTS) focusing on improving the eating habits of school-aged children for better academic performance, and (3) Nutrition Goes to Workplace focusing on enhancing the well-being and productivity of the working community.

Our Centre is now operating under its Third Five-Year Development Plan (FYDP 2021/2022-2025/2026).

Our Vision

Be the center of excellence for building capabilities in food and nutrition for all in Southeast Asia.

Our Mission

To provide food and nutrition development options for better quality of life for all peoples of Southeast Asia

Our Goal

A quality lifespan for stakeholders at various levels through multi-sectoral and inclusive food and nutrition programs and activities that are suitable in a given context in Southeast Asia.

Our Mandates



Our Core Values

- I** - Integrity
- R** - Respect
- E** - Excellence and Empowerment
- C** - Commitment
- F** - Fortitude
- O** - Optimism
- N** - Nutrition for All

SEAMEO RECFON

Governing Board Members

Our Centre's Governing Board consists of representatives from SEAMEO Member Countries, nominated by their respective Ministers of Education and appointed by the SEAMEO Council President. The Board is responsible for operational policies, strategic planning, annual evaluation, and review of the Centre programs and budgets within the framework of approved five-year development plan.



Nur Amalia Bin haji Sidik

Brunei Darussalam



Sun Vinntak

Cambodia



Doddy Izwardi

Indonesia



Phasouk Vongvichit

LAO PDR



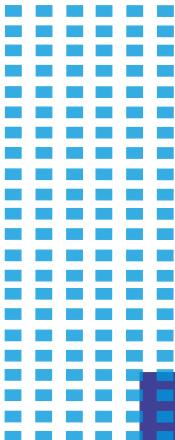
Dato' Chong Chee Kheong

Malaysia



Lwin Mar Hlaing

Myanmar



Maria Corazon Dumlaو

Philippines



Mari Chong

Singapore



Warangkana Srichamnong

Thailand



Regina Maria Amaral

Timor Leste

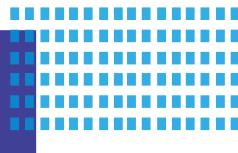


Le Danh Tuyen

Vietnam

KRA 1

Regional Leadership



New Flagship Program on Nutrition Goes to Workplace

As a regional centre in food and nutrition, SEAMEO RECFON adopts a life span approach to develop quality human resources at different stages of life. The Centre already has two flagship programs, i.e., Early Childhood Care, Nutrition and Education (ECCNE) and Nutrition Goes to School (NGTS), that are geared toward addressing the food and nutrition concerns of under-five children, and school children and adolescents, respectively. To cater to the working adults, the Centre launched its third flagship program on Nutrition Goes to Workplace (NGTW) during its 11th Governing Board Meeting (virtual mode) on 21 September 2021 as part of its Third Five-Year Development Plan (FYDP 2021/2022 - 2025/2026).

The NGTW Program focuses on enhancing the productivity and well-being of working adults toward enabling them to contribute to their family's welfare and company's viability through an integrated implementation of appropriate community nutrition and occupational health interventions. It has the following objectives:

1. To bridge the health and nutrition gaps among various demographics of working communities in different work settings toward developing appropriate food-based recommendations;
2. To enhance the knowledge and practice of workers and employers on healthier food choices and better eating habits that leads to their optimum productivity;
3. To enhance the institutional capacities of employers to address workers' food and nutrition security through relevant policy and program interventions; and
4. To build strategic partnerships with workers' and employers' organizations to promote healthy and nutrition-friendly workplace for optimum productivity.

To realize its objectives, the NGTW Program has the following essential components: (1) Nutrition and health education for employers and workers; (2) Development of Food based recommendations; (3) Advocacy for health and nutrition policy strengthening in the workplace; (4) Partnerships with workers' and employers' organizations.

3 Special Initiatives

During the fiscal year in review, the SEAMEO Council approved, via ad referendum, three SEAMEO RECFON special initiatives for region-wide implementation under its Third Five-Year Development Plan. These three special initiatives are (1) Southeast Asian School-Based Nutrition Promotion (SEA-SBNP) Working Group, (2) Southeast Asian Food and Nutrition Experts Hub, and (3) Learning Opportunities via Voluntary Engagements (LOVE) in Nutrition Goes to School (NGTS) Program for Young Professionals and Graduate Students.

The SEA-SBNP Working Group is aimed to enhance the quality and mainstream the practice of school-based nutrition promotion as a regular activity among schools in Southeast Asia. The LOVE in NGTS Program is aimed to optimize the civic-mindedness and potentials of young professionals and graduate students to contribute in addressing food and nutrition issues and concerns, particularly among school-aged children in Southeast Asia. Both special initiatives serve as promotion arms of the NGTS Program. On the hand, the Experts Hub is meant to optimize the available expertise and strengthen the community of practice in food and nutrition in Southeast Asia to solve nutrition problems through research, capacity building, community development, knowledge dissemination, and policy advocacy leading to a productive human resource in the region. It is expected to support the implementation of all the flagship programs of the Centre on NGTS, Early Childhood Care, Nutrition and Education (ECCNE) and Nutrition Goes to Workplace (NGTW).

Southeast Asian School-Based Nutrition Promotion (SBNP) Country Profiles

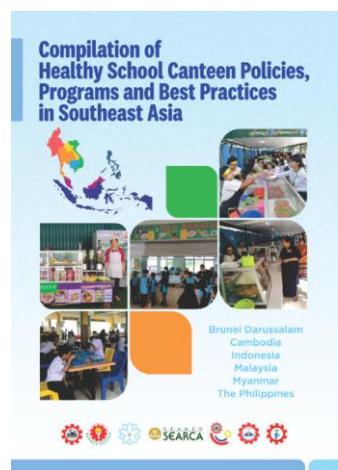
SBNP programs, policies and best practices exist at different education levels in Southeast Asia in varying degrees of implementation. However, there seems to be no publication that consolidates such wealth of information into one material per country. Thus, the publication of SBNP country profiles was identified as one of the activities for implementation in 2021 by the Southeast Asian SBNP Working Group that SEAMEO RECFON established in 2019. The Centre facilitated the writing of the first batch of five SBNP country profiles on Brunei Darussalam, Indonesia, Lao PDR, the Philippines, and Thailand. The soft launching of these SBNP country profiles took place during SEAMEO RECFON's 11th Anniversary celebration on 28 January 2022.

The SBNP country profiles are envisioned to serve as reference materials for schools in Southeast Asia to learn and improve the implementation of their school-based nutrition programs and activities. Aside from containing information on SBNP programs, policies and best practices, each SBNP country profile also provides overviews of the educational system as well as the malnutrition problems among school children of each country.

As reference materials, the SBNP country profiles are meant to provide inputs for research, capacity building, advocacy and policymaking by governments, NGOs, academic and research institutions, and schools to address the gaps in SBNP implementation and improve the nutritional status and dietary practices of school children in Southeast Asia. The SBNP country profiles are also expected to initiate collaborations among schools in the region to learn from each other to achieve common progress in SBNP implementation under the Centre's Nutrition Goes to School Program.

SEAMEO RECFON coordinated with the ministries of education of the said countries to identify their team members to write their respective SBNP country profiles. The Centre developed a set of guidelines for the country teams to follow as well as a monitoring system to facilitate the publication of the SBNP country profiles. Country team progress and concerns as well as instructions/reminders from the SEAMEO RECFON team were communicated through WhatsApp messaging while the presentation of the country outputs was done via zoom meeting.

Southeast Asian Healthy School Canteen Policies, Programs and Best Practices Reference Book



A school canteen plays a critical role in nutrition education of school children. However, many schools in SEA countries are not able to optimise their school canteen for such purpose. Thus, SEAMEO RECFON proposed an Inter-SEAMEO Centre Collaboration (ICC) project during the SEAMEO Center Directors Meeting in July 2020 to produce a book that compiles healthy school canteen policies, programs, and best practices in Southeast Asia. After a year of developing the book, SEAMEO RECFON held the soft launching on 28 January 2022 during its 11th anniversary celebration.

This project was generally aimed to facilitate the teaching learning process among school teachers and students in Southeast Asia on healthy school canteen through a compilation of best practices and effective policies and programs from selected countries.

The project officially took off in November 2020 after obtaining the approval of the SEAMEO Executive Council as well as the commitment of five other SEAMEO Centres as partners. The five SEAMEO Centres and the country they represented include Regional Centre for History and Tradition (CHAT) for Myanmar,

Regional Centre for Special Education Needs (SEN) for Malaysia, Regional Centre for Graduate Study and Research in Agriculture (SEARCA) for the Philippines, Regional Centre for Technical Education Development (TED) for Cambodia, and Regional Centre for Vocational and Technical Education and Training (VOCTECH) for Brunei Darussalam. SEAMEO RECFON represented Indonesia.

The book features 26 schools that are implementing healthy school canteens. These schools represent different education levels and were selected according to various criteria agreed upon by the SEAMEO Centres with the relevant ministries of the above mentioned countries that have direct relationship with schools.

The book contains a brief overview of the geographic and sociodemographic profile, educational system, malnutrition and eating habits among school-aged children and adolescents, policies and programs on school health and healthy school canteens, examples of healthy school canteen best practices, lessons learned and recommendations from each country. The best practices included in this book are based on the opinions of the selected schools given their existing situations and may not necessarily be according to universal set of criteria of what a best practice is. Nevertheless, these best practices enable the schools to operate their school canteens toward ensuring the health and nutrition of their respective school communities. Further, these best practices can provide valuable insights on how healthy school canteens are being implemented in the different countries in the region.

Similar to the publication of the SBNP Country Profiles, SEAMEO RECFON developed a set of guidelines for the SEAMEO Centre teams to follow as well as a monitoring system to facilitate the writing of the book. Feedbacking and consultations between and among the SEAMEO Centre teams were done through WhatsApp messaging while the overall project updating and presentation of the initial and revised drafts were done via zoom meetings.

1.2 Research



Completed In-house and Contracted Research Projects

SEAMEO RECFON completed 19 research projects during the period in review which were funded through its annual budget allocation from the Government of Indonesia, as well as 17 on going research projects (**Appendix 3**). Twelve of these completed projects were conducted by staff of higher education/research institutions and school teachers as SEAMEO RECFON's research fund grantees while the rest of the projects were conducted by the Centre's staff members.

Commissioned Systematic Review of School-based WASH -Nutrition Linkage in Southeast Asia

SEAMEO RECFON completed a systematic review of research works on WASH and nutrition interventions as well as on integrated WASH and nutrition programs in schools in Southeast Asian countries in July 2021. The review was part of the project commissioned by GIZ which aimed to document the existing nutrition and/or WASH programs in ASEAN and identify evidence on the link between WASH and nutrition interventions on students' health and academic performance.

The review revealed the limited availability of existing literatures published in English language on the subject matter of the project. The review also found eight weak, three moderate, and six strong linkages between WASH and nutrition interventions from the 17 studies analyzed from Indonesia, Malaysia, the Philippines, Thailand and Vietnam.

The report was submitted to GIZ in October 2021 as an input to the decision-making process of the Government of Germany to provide evidence-base and effective actions to better integrate and link WASH and nutrition programs in the school context in the ASEAN region. SEAMEO RECFON collaborated with Dr. Lioba Weingärtner (independent consultant) for the project.

Research for Policy Advocacy

Research-oriented policy is crucial to guarantee that the interventions and measures implemented for the target communities are based on the best evidence, use appropriate approaches, and have clear, definitive, measurable objectives that can be evaluated more efficiently.

To kick off the implementation of SEAMEO RECFON's Special Initiative on Policy-Oriented Research under its Third Five-Year Development Plan and to contribute to the goal of SEAMEO Centres Policy Research Network, the Centre organized a "Workshop on Gearing SEAMEO RECFON Research Toward Policy Advocacy" for its staff and affiliate researchers on 9-12 August 2021. The online workshop was generally aimed to increase the knowledge and skills of the participants on developing and implementing policy-oriented research projects and also on communicating the results to the policymakers. Policy-oriented concept notes aimed at addressing food and nutrition issues related to the Centre's flagship programs were generated during the workshop.

New Research Areas

In line with its new vision, mission, and goal under its Third Five-Year Development Plan, SEAMEO RECFON held a series of internal workshops to redefine its research areas. For the next five years, The Centre's research activities will focus on these three main areas: (1) Food Safety, Security, and Environments, (2) Optimal Nutrition throughout the Life Course, and (3) Nutrition, Health, and Productivity Nexus.

The Food Safety, Security, and Environments research area will cover exploring new and advancing the current knowledge and practices in food safety, food security and food environments as well as their interrelatedness with each other at the community, school and household levels to fulfil the nutritional well-being across age groups.

The Optimal Nutrition throughout the Life Course research area will deal on methods, tools/approaches and interventions to ensure optimal nutritional status over the life course, including the interaction of nutrient, gene, gut health, other environmental contaminants and diseases. Life course refers to pregnancy, lactating period, infancy, under-five children, school-age children, adolescent, adult, elderly.

The Nutrition, Health, and Productivity Nexus research area will focus on nutrition as determinant of health and productivity in a given work setting.

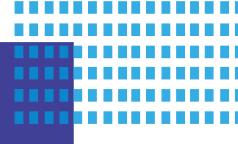
The Centre publicly launched its new research areas on 10 May 2022.

IPR Certifications of Research Outputs

SEAMEO obtained Intellectual Property Right certifications for three of its research outputs during the period in review. The certifications were for the following research outputs:

1. web-based monitoring and evaluation information system for the NGTS Program developed by a research fund grantee issued on 16 July 2021;
2. android application for monitoring nutrition status developed by a research grantee issued on 15 October 2021; and
3. occupational nutrition module and physical exercise video produced by the Centre's research team issued on 1 January 2022.

1.3 Capacity Building



IPR Certifications for Training Courses

Two training courses of SEAMEO RECFON were granted Intellectual Property Right certifications by the Ministry of Law and Human Rights of the Government of Indonesia during the fiscal year in review.

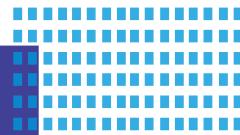
The Online Training Course on Healthy School Canteen in Southeast Asia obtained the Intellectual Property Right certification from the said Ministry on 22 April 2022. This training course aims to improve the management of school canteens by providing proper knowledge and skills to school community members engaged in the school canteen operations about food quality (i.e., being nutritious, safe and halal). The training curriculum was developed in collaboration with the Centre for Transformative Nutrition and Health of the International Medical University (CTNH-IMU) of Malaysia. The pilot offering of this course was held on 12 July to 22 August 2021 (details are in the next section).



The training course on Commitment Strengthening for Local Governments on Stunting Reduction and Mainstreaming Nutrition Promotion in Indonesia also obtained Intellectual Property Right certification from the same Ministry on 24 May 2022. This training course aims to enhance the capability of local government officials to work collaboratively across sectors in managing stunting reduction programs at the district level. The training curriculum was co-developed with the Health Polytechnic Institute of Semarang with co-funding from the Department of Foreign Affairs and Trade (DFAT) through the Institute for Physical Activity and Nutrition (IPAN) Deakin University of Australia.

KRA 2

Regional Visibility



3rd Youth Creativity in Nutrition (Youth Creation) Competition: STEM in Adolescent Nutrition

Out of 148 proposals from 86 schools from six SEAMEO member countries, SEAMEO RECFON recognized the creativity of four secondary schools from the Philippines, Malaysia, Thailand, and Indonesia in integrating the concepts of Science, Technology, Engineering and Mathematics (STEM) in Nutrition as the winners of its 3rd Youth Creation Competition. The awarding ceremony was held during SEAMEO RECFON's 11th Governing Board Meeting on 20 September 2021.

The winning schools, finalists and the titles of their projects are as follows:

Rank	School Name/Country	Project Title
First	San Quintin National High School, the Philippines	Effectiveness of Powdered Taro Corms and Pulverized Eggshells as a Substitute for Commercial Flour
Second	Sekolah Indonesia Kota Kinabalu, Malaysia	Establishment of a Green Integrated Model as a Promotion Medium for Biodiversity and Food and Nutrition Sustainability for Students of Kota Kinabalu Indonesian School
Third	Princess Chulabhorn Science High School Phitsanulok, Thailand	Gummies from Mangosteen Peel Extract to Inhibit Streptococcus Mutans Bacteria Causing Tooth Decay
Honorable Mention	Bali Mandara High School, Indonesia	Digital Website for Preventing Adolescent Obesity
Finalist	Mahaputram Girl's School, Thailand	Project Scancare
Finalist	Assumption College Thonburi, Thailand	Potato Bag for Reducing Salinity in Food
Finalist	De La Salle Medical And Health Sciences Institute, Philippines	Application of the Diverse Use of Arthrospira Platensis (Spirulina) on Selected Edible Eating and Drinking Utensils and Staple Foods In Addressing Adolescent Malnutrition In Southeast Asia
Finalist	Heng Ee High School, Malaysia	Utilisation of Natural Fiber to Produce High Stabilized Stirred Yogurt
Finalist	Pakkred Secondary School, Thailand	Healthy Boba from Durian Peel Starch
Finalist	Wichienmatu School, Thailand	Dek-Newtrition
Finalist	Sman 1 Kesesi, Indonesia	Rice Bran Noodles with the Addition of Moringa Leaf Extract as a High-Nutrient Alternative Food
Finalist	Sma Islam Bs Raudhatul Jannah Payakumbuh, Indonesia	Development of Breakfast Digital Comic (Bedicom) for Nutrition Education

The Competition was aimed to (1) encourage senior high/vocational school/ madrasah students in Southeast Asia to address adolescent nutrition problems that confront them through STEM learning approach by generating new products, technologies as well as processes, (2) increase the comprehension of the students on the importance of balanced nutrition to prevent malnutrition problems among them, and (3) increase the knowledge and abilities of the students on using STEM as a learning method.

The panel of judges during the grand finals were: dr. Drupadi H S Dillon PhD (SEAMEO RECFON Technical Adviser), dr. Aria Kekalih, PhD (Southeast Asian School-Based Nutrition Promotion Working Group Committee Member), Dr. Juandanilsyah (Directorate of High Schools of Ministry of Education, Culture, Research and Technology Republic of Indonesia), Mr. Sorakom Keawsamerta (Professional Chef from Thailand), Ms. Nur Amalina binti Haji Sidik (SEAMEO RECFON Governing Board Member from Brunei Darussalam) and Dr. Fendy Susanto (Head of Marketing Food Division of PT. Amerta Indah Otsuka).

SEAMEO RECFON's Youth Creation Competition is a bi-annual activity to enhance awareness of school-age children and adolescents on the importance of practicing proper nutrition and healthy lifestyle for their physical and cognitive development.

SEAMEO RECFON's 11th Anniversary Webinars

Celebrating its 11th anniversary on 27-29 January 2022 on the theme Sustaining Good Nutrition for All Amidst Covid-19 Pandemic, SEAMEO RECFON organized National and International Webinars and a talkshow as follows:

1. National Webinar on the Role of Education Sector in Addressing Nutrition Issues and Stunting Alleviation in Indonesia

The webinar discussed four topics delivered by distinguished speakers, namely: (1) Strategies for Parenting and Balanced Nutrition in the Education Sector for Stunting Prevention by Dr. dr. Brian Sriprahastuti, MPH from the Office of the President of Indonesia, (2) Importance of Food and Nutrition Security in the Education sector for Stunting Prevention by Dr. Pungkas Bahjuri Ali from the Health and Community Nutrition Directorate of the Ministry of National Development Planning, (3) Implementation of Government Regulation on Stunting Prevention based on Indonesian Nutrition Study Results by Ms. Irma Ardiana, MD from the National Population and Family Planning Agency, and (4) Accelerating Stunting Prevention in the Education Sector by Dr. Ir. Suprayoga Hadi, M.S.P from Human Development Policy Support and Equitable Development Office of the Vice President.

This webinar was attended by 683 participants from all over Indonesia through Zoom and Youtube

2. Talk Show on Local Government Experiences in Implementing Stunting Alleviation Programs through the Holistic Integrated Early Childhood Development and Local Food-Based Diet Approaches

The talk show featured four regents as speakers, namely: Mr. Romi Hariyanto of East Tanjung Jabung District in Jambi Province, Mr. Sukiman Azmi of East Lombok District in West Nusa Tenggara Province, Mr. Satono of Sambas District in West Kalimantan Province, and Mr. Idza Priyanti of Brebes District in Central Java Province. The sharings of the speakers highlighted the importance of commitment and collaboration among various local government sectors as well as having sustained advocacy to educate parents on proper nutrition to reduce and prevent stunting among children. SEAMEO RECFON had assisted these local governments to develop local food-based diets for under-five children for stunting prevention under the Centre's Early Childhood Care, Nutrition and Education (ECCNE) Program. The event was attended by 683 participants from all over Indonesia via Zoom and Youtube.

3. International Webinar on School Food Environment and Dietary Behavior Among School Children and Adolescents in Southeast Asia



This international webinar highlighted the important roles of schools in creating the appropriate food environment to establish healthy diet behaviour among school children through provision of nutrition education, food supplementation, operation of a healthy school canteen and school gardening. The event featured experts from SEAMEO RECFON's partner-institutions, namely: Dr. Harvinder Kaur from the International Medical University of Malaysia, Assoc. Prof. Kitti Sranachareonpong, PhD from the Institute of Nutrition of Mahidol University, Thailand, Dr. Gusnedi Adiwarman from Health Polytechnic of Padang, Indonesia, and Dr. Songheang Ai from SEAMEO Regional Centre for Technical Education Development (TED), Cambodia. The event was attended by 217 participants from various SEA countries via Zoom platform.

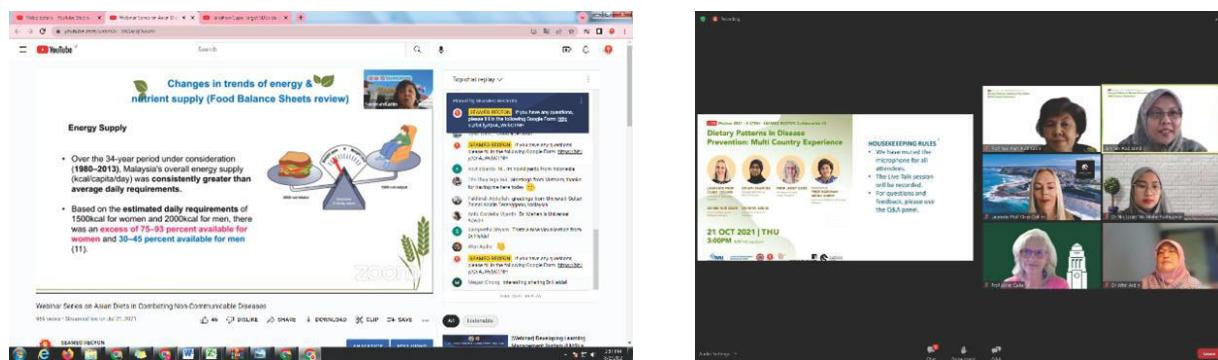
Regional Webinars

SEAMEO RECFON held three regional webinars as part of its regular capacity building activities during the fiscal year in review as follows:

1. Asian Diets in Combating Non-Communicable Diseases and Dietary Patterns in Disease Prevention: Multi-Country Experiences

As a part of the memorandum of understanding between the Center for Transformative Nutrition and Health (CTNH), International Medical University, Kuala Lumpur, Malaysia, and SEAMEO RECFON, Indonesia, as well as to celebrate SEAMEO RECFON anniversary, a series of webinars was held to highlight these two issues: 1) Asian Diets in Combating Non- Communicable Diseases and 2) Dietary Patterns in Disease Prevention – Multi-Country Experience. The webinars were also joined by the alumnus of Program Kepemimpinan Nutrisi Asia Tenggara (Southeast Asia Nutrition Leadership Program / SEANLP) and two “3-min theses” sessions from Malaysian and Indonesian post-graduate students to help increase the capacity of young researchers in the two countries.

The first part of the webinars was held on July 21, 2021, while the second one was held 3 months later on October 21, 2021. Both webinars were held online on Zoom and streamed on YouTube, which was joined by a total of 400 participants on booth platforms.



2. Nutrition Programme Management in SEA Region: Sharing from Nutrition Leadership Programme (NLP) Alumni

This webinar was held on 18 November 2021 as part of the Postgraduate training in Health and Nutrition Project/Program Planning and Management (HNPPM). The webinar provided the venue to exchange nutrition program management experiences from the perspective of different stakeholders in different countries.

The speakers and their institutional affiliations and topics were as follows:

Speaker	Institution/Country	Topic
Dr. Hera Nurlita	Ministry of Health, Republic of Indonesia	Nutrition Policy Actions in Indonesia
Dr. Siti Rohaiza Ahmad	Universiti Brunei Darussalam, Brunei Darussalam	Sustainable Diet Approach: Research on Local Rice from Brunei
Mr. Dave Clark D. Sison	Del Monte, Philippines	Nutrition in Food Industry: Experiences from the Philippines
Mr. Eng Chheanghong	GIZ, Cambodia	Multisectoral Food and Nutrition Security Program in Cambodia
Dr. Phil Baker	Deakin University, Australia	Food Security in Southeast Asia: Current Trends in Processed Food Consumption

The event was held via Zoom platform which attended by 98 participants.

Regional Webinars and National Online Training Courses

SEAMEO RECFON conducted one regional training course and three national/incountry training courses, all via online mode, during the fiscal year in review as follows:

1. Online Training on Healthy School Canteen in Southeast Asia

To raise school community awareness regarding the long-term effects of school canteens on children and other school community members, SEAMEO RECFON and the Centre for Transformative Nutrition and Health of the International Medical University (CTNH-IMU) of Malaysia organized a new regional online training on Healthy School Canteen in Southeast Asia. It was participated in by 15 school headmasters, 46 teachers, and 9 canteen/administration staff from 24 schools in Cambodia, Indonesia, Lao PDR, Malaysia, Myanmar, and the Philippines.

The 7-week course, which started on 12 July 2021 and ended on 26 August 2021, generally aims to improve the basic knowledge and skills of the participants on food quality and implementation of healthy school canteen. In the long run, this initiative envisions to transform school canteens in the region to be reputable food establishments that contribute to the alleviation of foodborne illnesses and improving nutrition status of students.

The training course was delivered through synchronous and asynchronous methods consisting of seven sessions on the following topics: Balanced nutrition and meal guide; Safe food preparation in school canteen; Introduction to Halal; Healthier options of food preparation; and Implementation and management of healthy school canteen. Each school team turned in an action plan to improve their school canteen as a major requirement in completing the course.

The training course has already acquired an Intellectual Property Right certification from the Ministry of Law and Human Rights of the Republic of Indonesia on 22 April 2022.

2. Online Training for Master Trainers on "Anakku Sehat dan Cerdas: Penerapan Konsep PAUD HI Melalui Sesi Parenting Sebagai Upaya Pencegahan Stunting di 50 Kabupaten Prioritas Stunting di Indonesia"

Held on 6-9 July 2021, this online training was aimed to introduce parenting sessions as one of the ways to alleviate stunting prevalence in early childhood as part of the Holistic Integrative Early Childhood Education (PAUD HI) Program of the Republic of Indonesia. The training was also meant to follow up the development of the local specific food-based recommendations in the 50 stunting priority districts.

A total of 360 participants from 45 out of 50 stunting priority districts in Indonesia attended the training. Of this number, 68% of the participants passed the training. Based on the pre- and post-test mean score difference, the participants' knowledge increased from 63.3 to 85.4.

3. Online Training on Writing Positive and Attractive Contents on Social Media for Indonesian Students

SEAMO RECFON organized this Online Training on 8 September 2021 for Junion and Senior High School Students from Indonesia on how to write impactful messages on social media related to food and nutrition. The activity was aimed to raise the media literacy skills among school adolescents as the target group of the Centre's Nutrition Goes to School Program.

The training was participated in by 77 students (i.e., 40 from junior high schools and 37 from senior high schools) from Jawa, Kalimantan, and Papua. Most of them are students of NGTS partner-schools. A social media expert from the Tempo Institute, a well-known journalism school in Indonesia, served as the resource person during the training. At the end of the event, all participants were encouraged to join the Centre's Social Media Content Creation Competition as one of the activities for the Protein Consumption Campaign for Stunting Alleviation.

4. Online Training on Nutrition Goes to School for Cambodian Technical Vocational Schools

SEAMEO RECFON conducted an in-country online training course on Nutrition Goes To School (NGTS) for 26 Cambodian principals and teachers from 5 technical vocational schools on 9-22 June 2022. The training course was a collaboration with the SEAMEO Regional Centre for Technical Education Development (TED) towards strengthening the food and nutrition education among Cambodian technical vocational schools through the NGTS Program.

The schools that participated in the training course were Bavet General and Technical High School, Preah Bat Samdech Preah Boromneath Norodom Sihanouk General and Technical High School, Saint Francois Private General and Technical High School, Samdach Aka Moha Sena Padei Techo Hun Sen – ROTA General and Technical High School and Pouk General and Technical High School.

The training was a requisite for the said schools to initiate their own NGTS Program to integrate nutrition education in their intra- and extra-curricular activities for their students. The training consisted of synchronous and asynchronous sessions on the following topics: Overview of adolescent nutrition, Anthropometric measurements, Cambodian National Nutrition Guidelines, Hygiene and sanitation, Healthy School Canteen, School garden for nutrition literacy, Nutrition in entrepreneurship, School-Based Management (SBM) of Health and Nutrition Programs, Management of the NGTS program, Lesson plan development and microteaching for nutrition education. Each participating school formulated an NGTS action plan as the major requirement of the training course.

The resource persons during the training course came from the School Health Department of the Ministry of Education, Youth and Sports of Cambodia, the National Institute of Public Health of Cambodia, the Royal University of Agriculture of Cambodia, SEAMEO TED, and SEAMEO RECFON.

Post-Graduate Training Courses

SEAMEO RECFON conducted ten post-graduate training (PGT) courses for the Master of Science in Nutrition degree program of Universitas Indonesia from November 2021 to May 2022.

The PGT course titles, dates implemented and the number and country of participants are as follows:

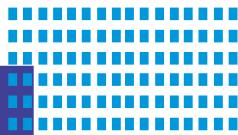
Title	Date of Implementation	Number and Country of Participants
Public Health and Community Nutrition Systems Analysis	1 - 15 November 2021	Indonesia – 13 Malaysia – 1 Myanmar – 1
Health and Nutrition Project/Program Planning & Management	15 - 29 Nov 2021	Indonesia – 13 Malaysia – 1 Philippines – 1
Food Economics and Food Security	29 November - 13 December 2021	Indonesia – 14 Malaysia – 1 Philippines – 1
Introduction to Nutritional Anthropology	3 - 14 Jan 2022	Indonesia – 13 Malaysia – 1 Philippines – 1

Title	Date of Implementation	Number and Country of Participants
Health Promotion in Nutrition Programs	7 - 21 Feb 2022	Indonesia – 14 Iran – 1
Food and Nutrition Intervention	21 Feb - 7 Mar 2022	Indonesia – 16 Iran – 1
Food Safety	7 - 21 Mar 2022	Indonesia – 15
Nutrition and Diseases	21 Mar - 1 April 2022	Indonesia – 11 Iran – 1
Nutrition in Food Industry	4 - 18 April 2022	Indonesia – 13
Best Practices in Dietary Assessment	17 - 21 May 2022	Indonesia – 20 Malaysia – 5 Myanmar – 1 Philippines – 3

Training Needs Assessment

To determine the relevance of the Centre's existing training courses as well as to determine new training courses to be developed under its Third Five-Year Development Plan and respond to global nutrition agenda, SEAMEO RECFON conducted a Training Needs Assessment (TNA) of its stakeholders from September to December 2021. The respondents of the survey were heads of partner-institutions, training alumni, and heads and teachers of schools and early childhood education centres in various SEAMEO member countries.

The survey was able to gather information on the stakeholders' preferences on training delivery mode, duration, teaching methods, cost, course focus and topic coverage as well as areas where SEAMEO RECFON needs to improve in its capacity building activities.



Research Grant

SEAMEO RECFON annually provides research grants to academic staff of higher education and research institutions as well as school teachers to address issues and concerns related to the Centre's research areas and flagship programs. This program is also the Centre's contribution to enhance the research capacities of its stakeholders.

For the fiscal year in review, the Centre awarded research grants to seven academic staff from universities and teachers from primary and secondary schools in Indonesia (Appendix 13).

2.3 Partnership

Establishing partnerships is one important mandate of SEAMEO RECFON towards achieving its vision, mission and goals. Under its Third Five-Year Development Plan, the Centre gears from triple to quadruple helix partnerships in implementing its flagship programs and other mandates.

For the period in review, SEAMEO RECFON established 17 new and 3 extended partnerships (Appendix 11). Majority (76%) of the new partnerships are with universities and health polytechnic institutions in Indonesia while the rest are with local and national government institutions in Indonesia and with the SEAMEO Regional Centre for Technical Education Development based in Cambodia. The partnerships renewed are with universities in Indonesia, Malaysia, and Thailand. All of these partnerships will involve research, capacity building, community development and knowledge management especially in support of the Centre's flagship programs. The partnerships with national and local governments in Indonesia primarily focus on stunting prevention.

2.4 Program and Information Dissemination

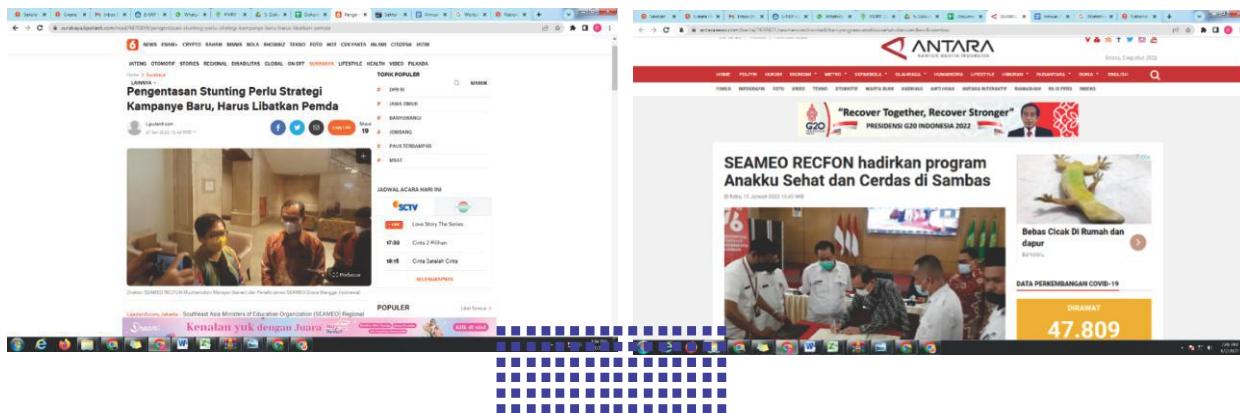
General and Scientific Publications

SEAMEO RECFON held a soft launching of its eight publications related to stunting prevention during its 11th anniversary celebration on 27 January 2022. These publications were as follows: Early Childhood Care, Nutrition and Education (ECCNE) Module: A Guide for ECE Educators in Applying the Holistic Early Childhood Development Concept through Parenting Sessions via Distance Teaching Method, Early Childhood Care, Nutrition and Education (ECCNE) Module: A Guide for Parents During Parenting Sessions via Distance Teaching Method, Face-to-Face and Online Curricular Guides on Food Safety and Hazard Analysis Critical Control Points (HACCP), Face-to-Face and Online Training Curricular Guides on Nutritional Care Process for Nutritionists at the Primary Health Centre, NGTS Best Practices, and e-book on Stunting Prevention and Tobacco Control.

Thirty two research works of SEAMEO RECFON staff, affiliated researchers and research fund grantees were published in international and national peer reviewed journals during the fiscal year in review (Appendix 4). Twenty-one of these scientific articles were published in international peer reviewed journals, eleven of which were published in Q1 ranked scopus-indexed journals such as PloS One, Nutrients, Journal of Religion and Health, BMC Public Health, Drug Discovery Today, International Breastfeeding Journal, and Frontiers in Nutrition. These scientific articles were the products of the manuscript writing workshops that the Centre conducts yearly for its program staff and affiliate researchers.

Mass Media Release

Throughout October to November 2021, 12 articles on SEAMEO RECFON's activities were published in online and print media in Indonesia through Antara News, a prominent national mass media agency. These articles were about the Centre's 11th Governing Board Meeting 2021, Youth Creation Competition 2021, NGTS and ECCNE training activities, MoU signing with partner-institutions and the Regional Workshop on Protein Consumption Campaign which were well-received by the public ranging from 3000 to 8000 pageviews.



Protein Consumption Campaign as Part of Stunting Alleviation Activities in Indonesia

Undernutrition, particularly stunting among children, remains a huge nutrition problem in Indonesia which is usually attributed to low dietary intake. The study of SEAMEO RECFON and academic partners found that most under-two children in 50 stunting priority districts in Indonesia had 1-2 nutrient problems and 1-3 inadequate nutrient diets of which protein is among them. Recognizing tempeh as a good source of protein from soybean and as a popular local food in Indonesia, SEAMEO RECFON collaborated with the US Soy Export Council (USSEC) to hold a series of campaign events to promote protein consumption as part of stunting alleviation among children in Indonesia from 13 August to 30 November 2021. The activities were held in three districts of Sumatera Utara, Jambi, and Sulawesi Selatan provinces.

The campaign produced the following outputs and outcomes:

1. Three online webinars in the three provinces for different target groups such as academe, health workers, local government officials and staff, high school students and teachers, and ECD practitioners. In total, this webinar series was attended by 2,666 participants.
2. Three offline workshops in the three different provinces focused on local menu preparations using high protein source food, including tempeh, for toddlers. The workshops were participated in by 350 people in three provinces.
3. Social media content creation contest for students and cooking competition for adults in each of the three provinces. The social media content creation generated a total of 727 submissions while the cooking competition was participated in by ECD teachers, health cadres, and PKK team members from each province.
4. Acknowledgement of local food heroes from each of the provinces.
5. Dissemination of e-flyers and posters, videos, and handbook; radio broadcasts in three provinces which covered all targeted districts in three provinces; and mass media publication in local and national media.
6. Endorsement from committed local stakeholders in improving protein consumption as part of stunting alleviation activities in their working area.

Media Monitoring Analysis

To develop more solid communication strategies through mass media coverage, SEAMEO RECFON conducted a media monitoring analysis towards the end of 2021. Together with a reputable national mass media institution in Indonesia, SEAMEO RECFON evaluated the news releases about its activities throughout 2021 that have been published in print.

A few recommendations from the analysis include: (1) Enrich narrative using opinion writing (as a pretext to strengthen the program) and/or feature writing (as an inspiration or call to action related to the program); (2) Present program reports as best-practice forms and/or highlight program substance's champions; and (3) Apply communication for Impacts, such as curating content and media that are legible to the target community and stakeholders of the program.

IPR Certifications of ECCNE and NGTS Program Jingles

The ECCNE and NGTS Program jingles are meant to promote these two flagship programs of the Centre and gain more interests from its target stakeholders in SEAMEO member countries. On 8 July 2022, SEAMEO RECFON obtained intellectual property right certifications for the two jingles from the Ministry of Law and Human Rights of the Government of Indonesia.

The NGTS jingle encourages school children to be agents of change to build a better future by practicing good eating habits and living a healthy lifestyle. The ECCNE jingle calls for families, communities and institutions to work in synergy to optimize child growth and development. These jingles were the winning entries in the jingle writing contest that SEAMEO RECFON conducted from December 2020 to 28 January 2021 as part of its year-long 10th anniversary celebration during the current year. SEAMEO RECFON's Deputy Director for Program, Dr. Jess Fernandez, improved the wordings and came up with additional stanzas for the jingles to properly capture the essence of the flagship programs.

KRA 3

Solid Resource Base

3.1.Financial Viability

SEAMEO RECFON's yearly operations are mainly funded by the Government of Indonesia and partly through partner-institutions particularly for research and capacity building, and information dissemination activities.

During the fiscal year in review, the Centre's total budget from the Government of Indonesia decreased by 60.70% compared to 2020/2021. The most significant decrease was in Capital Funds (96.9%) as the Government of Indonesia restricted the procurement of assets during the fiscal year. The increase in the expense from Special Funds was due to the hybrid scheme (online and offline) adopted by the Centre in conducting its 11th Governing Board Meeting.

Ongoing research activities are funded through the UK Hub on Action Against Stunting, Wellcome Trust, Deakin University, The Union (Bloomberg), and SEAMEO SEN. New research and communication campaign projects initiated during the period in review are funded by the World Food Program and the U.S Soybean Export Council (USSEC), respectively.

The audited financial report on SEAMEO RECFON (in USD equivalent) during Fiscal Year 2021/2022 is presented in the table below.

No	Items	Fiscal Year		Variance	
		2021/ 2022*	2020/ 2021	USD	%
		USD	USD		
1	Capital Funds	8.256	265.960	(257.704,25)	- 96,90%
2	Operating Funds	780.601	665.652	114.949,18	17,27%
3	Special Funds	19.742	15.005	4.736,03	31,56%
4	Other Funds	254.432	1.759.649	(1.505.217,27)	- 85,54%
5	Unallocated Funds	8.149	19.497	(11.348,03)	- 58,20%
	TOTAL	1.071.179	2.725.763	(1.654.584,34)	- 60,70%

*Audited

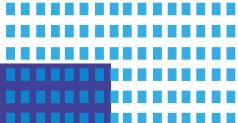
Capital Funds representing 100% funding commitment of the GoI used for the Centre's assets

Operating Funds representing 100% funding commitment of the GoI used for Centre's operational and programs

Special Funds raised by SEAMEO Secretariat, including contribution from GoI for Governing Board Meeting

Other Funds is the contribution from partners and stakeholders

3.2.Human Resouces Developement



Staff Development Activities

SEAMEO RECFON provides opportunities for continuous improvement of knowledge and skills of its staff members every year. Thus, during the fiscal year in review, Centre staff members attended several in-house as well external training activities. All Administrative staff members received an in-house training on determining unit cost effectiveness, while selected ones attended external training on procurement of goods and services, and document control and digital filing system. On the other hand, all program staff attended an in-house training on writing popular scientific articles, while selected ones completed the training on Hazard Analysis Critical Control Points (HACCP) and Good Manufacturing Practices (GMP). All program and administrative staff received a training on performance evaluation and living out the Centre's Core Values.

Staff Recognition



The World Diabetes Federation (WDF) recognized dr. Indah S. Widyahening, SEAMEO RECFON's Research Unit Manager and Associate Professor at the Department of Community Medicine at the Faculty of Medicine of the Universitas Indonesia, as one of the 2022 Remarkable Individuals Fighting Diabetes for her efforts to address diabetes care and prevention in Indonesia. Since 2006, dr. Indah has been involved in several nationwide diabetes projects in Indonesia. She has helped develop the guidelines for primary care physicians, a model for diabetes management in primary healthcare, and training healthcare professionals in the management

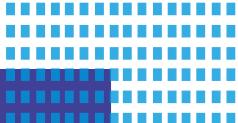
of diabetes and capacity building in communities. She has led various research and community development projects, including operational research on hyperglycaemia and pregnancy as well as the dual diagnosis of tuberculosis (TB) and diabetes.

She is currently working on a project grant from The Lown Scholars Program, Harvard TH Chan School of Public Health entitled The Effect of a School-based Nutrition Intervention to Promote Healthy Eating Behavior among Adolescents in Indonesia.

Staff Recruitment and Movement

SEAMEO RECFON recruited four administrative and one program staff during the period in review. Two of the new administrative staff members joined the Human Resource and General Affairs Unit and one in Accounting and Finance Administration Unit. On the other hand, the new program staff joined the Knowledge Management and Policy Support Unit. On 1 April 2022, SEAMEO RECFON's Deputy Director for Administration ended his term of office

3.3.Facilities and Services



ISO Reaccreditation of Laboratory Service

SEAMEO RECFON's Laboratory plays a crucial function in supporting the Centre's activities in education and research in food and nutrition as well as in providing services for government and academic institutions. Thus, the Centre ensure that laboratory equipments and procedures are strictly within ISO standards.

On 4 July 2022, SEAMEO RECFON's laboratory service once again passed the reaccreditation for its competence to carry out laboratory tests of retinol, β -carotene, α -tocopherol, zinc, and vitamin D 25-OH as required by SNI ISO/IEC 17025:2017.

The services provided by our laboratory include biochemical analysis, dietary assessment, anthropometric assessment, food analysis, genetic analysis, freeze dry service, and lab equipment rental. In addition, the Laboratory also provides training such as vitamin A analysis, genetic analysis, and hands-on real-time PCR.

Lab Equipment Acquisition

Research with biomarker examination is important to determine the nutrient deficiency and its functional consequences in people. Several health conditions are often found to be interrelated such as stunting with anemia, micronutrient deficiencies (iron, iodine, vitamin A), and infections. Many researchers, including those in Indonesia, face the challenge of getting a cost-efficient analysis with a guaranteed quality. As a result, nutrition prevention efforts, especially in Indonesia, are expensive and there is a possibility that the causing factors are not fully explored.

Therefore, SEAMEO RECFON introduces a new laboratory service to be able to analyze biomarkers, such as indicators of anemia, immunity, and malaria status, which can contribute to responding to the challenge of accelerating malnutrition reduction in Indonesia. SEAMEO RECFON acquired the Quansys technology on 8 April 2022 which is the first in Indonesia. This equipment supports a chemiluminescent-based quantitative single and multiplex ELISA analysis of many biological proteins which provides time- and cost-efficient, high quality and sensitivity results.

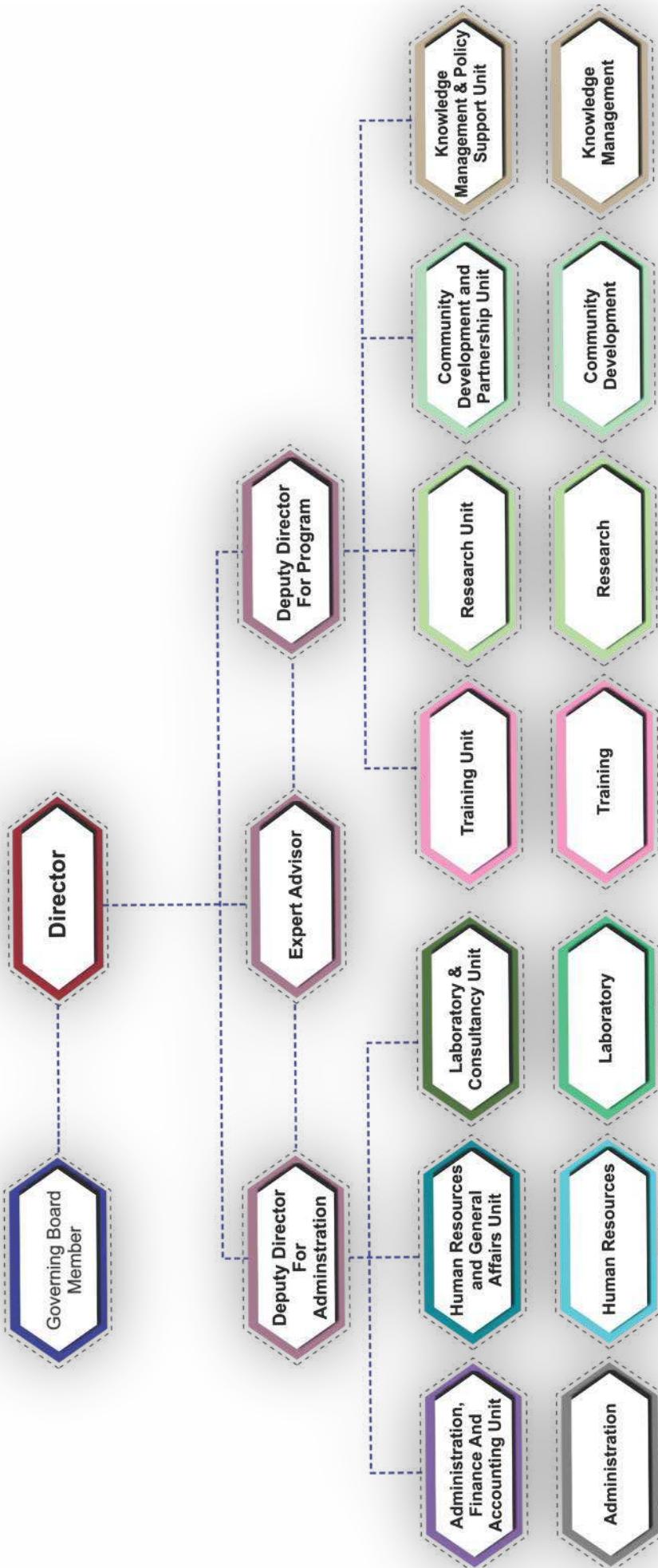
Teaching Video Development: HPLC and ELISA Method Analysis

The Centre's laboratory has also been providing a training function for graduate students to gain hands-on experience on the functions and uses of lab equipment for their research projects. However, the COVID-19 pandemic has limited this function. Thus, the Centre developed a video demonstrating HPLC and ELISA method analysis as a teaching aid for students.



Appendices

Organizational Structure 2021

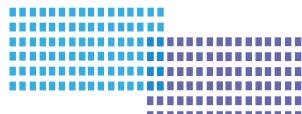


Appendix 2 List of Personnel

No	Name	Position
Board of Director		
1	Muchtaruddin Mansyur	<i>Director</i>
2	Jesus Corpuz Fernandez	<i>Deputy Director for Program</i>
Advisor		
3	Drupadi HS Dillon	<i>Advisor</i>
4	Umi Fahmida	<i>Expert</i>
5	Dwi Nastiti Iswarawanti	<i>Expert</i>
6	Helda Khusun	<i>Expert</i>
Training Unit		
7	Judhiastuty Februhartanty	<i>Training Manager</i>
8	Indriya Laras Pramesthi	<i>Training Officer</i>
9	Khalida Fauzia	<i>Training Officer</i>
10	Retty Putri Utami Dwipa	<i>Training Officer</i>
11	Afifatul Humairo	<i>Training Assistant</i>
Research Unit		
12	Indah Suci Widyahening	<i>Research Manager</i>
13	Arienta Rahmania Putri Sudibya	<i>Research Officer</i>
14	Nindhita Priscillia Muhamrani	<i>Research Officer</i>
15	Rizqiyah	<i>Research Assistant</i>
16	Ratna Wulanti	<i>Research Admin</i>
Community Development and Partnership Unit		
17	Luh Ade Ari Wiradnyani	<i>Community Development and Partnership Manager</i>
18	Evi Ermayani	<i>Community Development and Partnership Officer</i>
19	A.A.S Indriani Oka	<i>Community Development and Partnership Officer</i>
20	Dewi Shinta	<i>Community Development and Partnership Officer</i>
21	Aisyah Nurcita Dewi	<i>Community Development and Partnership Officer</i>
22	Cahya Ayu Agustin	<i>Community Development and Partnership Officer</i>
23	Ruri Citra Asri	<i>Community Development and Partnership Admin</i>

Appendix 2 List of Personnel

No	Name	Position
24	Dwi Yanti	Laboratory and Consultancy Manager
25	Sari Kusuma	Laboratory and Consultancy Officer
26	Sri Kurniasih	Laboratory and Consultancy Officer
27	Seftiyanti	Laboratory and Consultancy Assistant
28	Siti Mirza Ellya Nurdin	Laboratory and Consultancy Assistant
29	Kurniawan	Laboratory and Consultancy Staff
Knowledge Management and Policy Support Unit		
30	Ahmad Thohir Hidayat	Knowledge Management and Policy Support Manager
31	Evi Nurhidayati	Knowledge Management and Policy Support Officer
32	Rindrawati	Archive Administrator and Librarian
33	Dodi Suswandi	Website Administrator
Human Resources and General Affair Unit		
34	Herman	Human Resources and General Affair Acting Manager
35	Nur Mardiyah	Human Resources and General Affair Officer
36	Putri Damayanti	Human Resources and General Affair Officer
37	Rifa Fauziyyah	Human Resources and General Affair Officer
38	Achmad Munawir	Human Resources and General Affair Staff
39	Burhanudin	Human Resources and General Affair Staff
40	Abdul Rohim	Office Attendant
41	Ibnu Fajar	Office Attendant
42	Sholihin	Security
43	Harun	Security
44	Abdul Kholid	Driver
Administration, Finance and Accounting Unit		
45	Aziz Jati Nur Ananda	Administration, Finance and Accounting Manager
46	Eflita Meiyetriyani	Administration, Finance and Accounting Officer
47	Maulina Rizqi Astari	Administration, Finance and Accounting Officer
48	Hendra Gustiana	Administration, Finance and Accounting Officer
49	Fentika Damayanti	Administration, Finance and Accounting Staff
50	Eka Wahyuningsih	Administration, Finance and Accounting Staff
51	Aryvia Salsabila	Secretary



Appendix 3 List of Research Projects

No	Project Name	Research Area	Priority Area	Study Team	Budget	Source of Fund
1	Research: Coping Strategies of Urban Households in Selected Key Cities in Southeast Asia to Ensure Food Security During Covid Pandemic (CPRN)	Food Safety, Food Security and environment		Dr. Dwi Nastiti Iswarawanti, Arienta Sudibya, MSc	Rp 12.965.000	MOECRT RI 2022
2	Knowledge, Attitude, and Practice of Sustainable Food Consumption among High School Students in Indonesia, Filipina, and Malaysia	Nutrition, health and productivity Nexus	NGTS	Evi Ermayani, M. Gizi	Rp 11.890.000	MOECRT RI 2022
3	Optimasi Diet melalui Pendekatan Linear Programming untuk Pengembangan Model Intervensi Pencegahan Penyakit Tidak Menular pada Pekerja Perusahaan Minyak dan Gas Berbasis Pangan Lokal, Fase 3, 2022	Optimal Nutrition throughout the life course	NGTW	Prof. dr. Muchtaruddin Mansyur, PhD	Rp 56.040.000	MOECRT RI 2022
4	Pengembangan Model Intervensi Penanggulangan Stunting Di Wilayah Lahan Kering Kepulauan Provinsi Nusa Tenggara Timur	Optimal Nutrition throughout the life course		Eflita Meiyetriani, MKM, Ahmad Tohir Hidayat M. Gizi	\$ 30.000	ADB
5	Study on the Effect of Covid-19 on Nutrition of School Aged Children	Optimal Nutrition throughout the life course	NGTS	Dr. Luh Ade Wiradnyani, Aziz Jati Nur Ananda M. Gizi, Ahmad Tohir Hidayat, M. Gizi	\$ 1.090.585.000	WFP

No	Project Name	Research Area	Priority Area	Study Team	Budget	Source of Fund
6	Enhancement and Wider Adoption of a School-Based Nutrition Program Monitoring Information System: The Case of Nutrition Goes to School (NGTS) Program)	Optimal Nutrition throughout the life course	NGTS	Nurul Dina Rahmawati, S.Gz., M.Sc	\$ 45.000.000	MOECRT RI 2022
7	Pengembangan Model Sustainability-Based Action Teacher (SuBAT) untuk Meningkatkan Kesehatan, Status Gizi dan Kinerja Guru Sekolah Dasar di Provinsi Bali	Nutrition, health and productivity Nexus	NGTS	Dr. Nia Erlina, M.Pd.	\$ 45.000.000	MOECRT RI 2022
8	Pengembangan PRISAT (Productivity Risk Self-Assessment Tool) Untuk Deteksi Dini Faktor Risiko Penyakit Tidak Menular Penurun Produktivitas Pekerja Urban	Optimal Nutrition throughout the life course	NGTW	Risti Rosmiati, S.Gz, M.Si	Rp 45.000.000	MOECRT RI 2022
9	Upaya Meningkatkan Perilaku sesuai Gizi Seimbang pada Siswa Kelas 5 SDN Pandeyan Di Masa Pandemi Covid-19 melalui Program KOLAGEN	Optimal Nutrition throughout the life course	NGTS	Ajeng Ningtias Irianti Suwandi, SPd	Rp 10.000.000	MOECRT RI 2022
10	Upaya Peningkatan Kesadaran Keamanan Pangan pada Pembelajaran Riset di MAN 2 Kudus melalui Model RODADE dalam mengembangkan Inovasi Smart Detector Zat Aditif di Masa Pandemic COVID-19	Food Safety, Food Security and environment	NGTS	Ekadina Dzawil Ulya, S.Pd.	Rp 10.000.000	MOECRT RI 2022

No	Project Name	Research Area	Priority Area	Study Team	Budget	Source of Fund
1.1	Meningkatkan Kemampuan Produksi Tiwul untuk Menjaga Food Sustainability Produk Pangan Lokal Pada Kelompok Siswa Yang Aktif Mengonsumsi Tiwul Melalui Project Based Learning Di SMK Negeri 1 Ponjong Gunungkidul	NGTS	Hasan Musthofa, S.Pd.	Rp 10.000.000	MOECRT RI 2022	
1.2	Pengembangan E-Modul Berbasis PBL Pada Materi Usaha Dan Energi Yang Terintegrasi Dengan Gizi Untuk Meningkatkan Hasil Belajar Kognitif Siswa Kelas X	NGTS	Ratu Mulyaningsih, S. Pd.	Rp 10.000.000	MOECRT RI 2022	
1.3	The effect of a school-based nutrition intervention to promote healthy eating behaviour among adolescents in Indonesia – a cluster randomized pilot study	Nutrition Policy and Program	dr. Indah Widya Hening, PhD, Dr. Judhiastuty Februhartany	\$ 48.168,00	Harvard University	
1.4	Action Research: Program “Ecne – Anaku Sehat Dan Cerdas” Untuk Mengoptimalkan Tumbuh Kembang Anak Usia Dini, fase 2, 2021	Optimal Nutrition throughout the life course	ECCNE Dr. Umi Fahmida	Rp 77.150.000	MOECRT RI 2021	
1.5	Optimasi Diet melalui Pendekatan Linear Programming untuk Pengembangan Model Intervensi Pencegahan Penyakit Tidak Menular pada Pekerja Perusahaan Minyak dan Gas Berbasis Pangan Lokal Fase 2 2021	Optimal Nutrition throughout the life course	NGTW Prof. dr. Muchtaruddin Mansyur, PhD	Rp 82.262.000	MOECRT RI 2021	

No	Project Name	Research Area	Priority Area	Study Team	Budget	Source of Fund
16	Efektivitas Pelayanan Berpusat Pasien Berbasis Pemberdayaan Diri Pada Mahasiswa Obesitas di Layanan Primer : Kajian Model Health Coaching terhadap Status Antropometri dan Komposisi Tubuh, tahap 3	Nutrition, health and productivity Nexus	NGTW	dr. Dian Kusuma Dewi, M.Gizi	Rp 191.171.000	MOECRT RI 2021
17	Sebuah Kajian Sistematika: Model Intervensi Pengendalian Tekanan Darah Berbasis Sekolah bagi Guru SD	Nutrition, health and productivity Nexus	NGTW, NGTS	dr. Sugma Agung Purbowo, MARS	Rp 37.765.000	MOECRT RI 2021
18	Pengembangan Model Gizi Untuk Produktivitas (NGTW)	Nutrition, health and productivity Nexus	NGTW	DR.Dr.Joedo Prihartono MPH	Rp 54.048.900	MOECRT RI 2021
19	Studi Lanjutan Kesadaran dan Sikap tentang Keamanan Pangan, Akses Pangan, dan Diet Sehat dalam Menanggapi Pandemi Covid-19 di Indonesia	Optimal Nutrition throughout the life course		dr. Grace Wangge, PhD	Rp 2.240.000	MOECRT RI 2021
20	Integration of WASH and Nutrition Programming in School Contexts in the ASEAN Region	Optimal Nutrition throughout the life course	NGTS	dr. Indah Widyahenning, PhD, Dr. Luh Ade Wiradnyani	Rp 133.000.000	GTZ
21	Strategi Mendorong Konsumsi Makanan Sehat Dan Berimbang Kebijakan Pajak Versus Edukasi Dan Promosi Kesehatan	Nutrition, health and productivity Nexus	NGTW & NGTS	Dr. Ni Made Sukartini, SE., M.Si.,MIDEC	Rp 50.000.000	MOECRT RI RI 2021
22	Kajian Perbandingan Kebijakan Pajak Minuman Berpemanis dan Dampaknya Pada Kesehatan Masyarakat	Nutrition, health and productivity Nexus	NGTW & NGTS	Dr. Abdillah Ahsan	Rp 49.270.000	MOECRT RI RI 2021

No	Project Name	Research Area	Priority Area	Study Team	Budget	Source of Fund
23	Efektivitas Bantuan Dana Desa Untuk Covid-19 Terhadap Ketahanan Pangan Rumah Tangga, Status Dan Asupan Gizi Anak Usia Sekolah	Optimal Nutrition throughout the life course	NGTS	Isti Kumalasari, S.Gz., M.KM	Rp 51.815.000	MOECRT RI RI 2021
24	Evaluasi Pemetaan Kesiapan Dan Rekomendasi Kebijakan Untuk Pemerintah Provinsi Jawa Timur Sebagai Penyelenggara Jaminan Produk Halal	Food Safety, Food Security and environment	NGTS	Achmad Syafiuddin, S.Si., M.Phil, Ph.D	Rp 65.709.000	MOECRT RI RI 2021
25	Pemetaan Strategi Penjaminan Halal Usaha Kantin Sekolah Sesuai Regulasi Terkini di Indonesia (Kasus di SMTA Kota Malang)	Food Safety, Food Security and environment	NGTWP IPU	Dr.Sucipto, STP. MP.	Rp 70.000.000	MOECRT RI RI 2021
26	Prediksi Pengukuran Antropometri berdasarkan Segmentasi Citra Kamera Telepon Pintar dengan Metode Convolutional Neural Network Pada Aplikasi Mogiz	Optimal Nutrition throughout the life course	NGTS	Yunita Indah Prasetyaningrum, S.Gz., M.P.H.	Rp 67.452.000	MOECRT RI RI 2021
27	Koping Strategi Ibu terhadap Keterbatasan Akses Pangan dalam Mempertahankan Asupan Bergizi anak usia 6-23 bulan selama Pandemi COVID-19 di Jakarta	Optimal Nutrition throughout the life course	ECCNE	Prof. Dr. dr. Saptawati Bardsono, M.Sc	Rp 29.300.000	MOECRT RI RI 2021
28	Peningkatan Hasil Belajar Siswa Kelas XI SMAN 1 Kesesi Melalui Penggunaan Media Movement Card Qr Code Pada Materi Manfaat Aktivitas Fisik	Optimal Nutrition throughout the life course	NGTS	Ropik Hidayat, S.Pd.	Rp 10.000.000	MOECRT RI RI 2021

No	Project Name	Research Area	Priority Area	Study Team	Budget	Source of Fund
29	Penggunaan ARTS dalam Upaya Peningkatan Literasi Sains dan Kesadaran Menjaga Kesehatan Paru-Paru dari Pengaruh Kebiasaan Merokok, Vaping, Maupun Dampak Infeksi Covid-19	Optimal Nutrition throughout the life course	NGTS	Sari Yuliantini, S.Pd., Gr.	Rp 10.000.000	MOECRT RI RI 2021
30	Keterampilan Membuat Biodegradable Plastic dari Kulit Jeruk Garut Melalui Model PJBL di SMPN 2 Garut	Optimal Nutrition throughout the life course	NGTS	Atin Kartina, M.Pd.	Rp 10.000.000	MOECRT RI RI 2021
31	Pengolahan Coklat Daun Singkong Anti Anemia Sebagai Upaya Meningkatkan Keterampilan P+B29:B31eserta Didik Melalui Pembelajaran STEAM Berbasis Augmented Reality	Optimal Nutrition throughout the life course	NGTS	Winda Widia Agustina S.Pd	Rp 10.000.000	MOECRT RI RI 2021
32	Pengembangan Media Food Card Berbasis Augmented Reality dalam Meningkatkan Pemahaman Orangtua tentang Gizi dan Minat anak dalam mengkonsumsi makanan yang bergizi	Optimal Nutrition throughout the life course	ECCNE	Deni Irawan, S.Pd.I	Rp 10.000.000	MOECRT RI RI 2021
33	Advocating Proper Nutrition in Special Education Schools for Children with ADHD and Down Syndrome in Southeast Asia	Optimal Nutrition throughout the life course	NGTS	SEAMEO RECFON, SEAMEO SEN	Rp 35.525.000	SEAMEO SEN
34	Double-Blind Cluster Randomised Controlled Trial of Chicken Liver and Eggshell Crackers in Pregnant and Lactating Mothers in a Disadvantaged Setting in Indonesia	Optimal Nutrition throughout the life course	ECCNE	Aly Diana, MD, PhD	£ 318.672	Wellcome Trust

No	Project Name	Research Area	Priority Area	Study Team	Budget	Source of Fund
35	Action Againsts Stunting Hub	Optimal Nutrition throughout the life course	ECCNE	Dr. Umi Fahmida	£ 2.377.371	UKRI GCRF
36	Evaluation of Multi-component Behavioural Determinants of Health in Adolescents using a Web-based Application across three countries in Southeast Asia	Optimal Nutrition throughout the life course	NGTS	SEAMEO RECFON, NUS	Rp 236.140.875	National University of Singapore (NUS)

Appendix 4 List of Scientific Publications

No	Article Title	Author	Journal	Scopus index	Publication date
1	Determinants of low breastfeeding self efficacy amongst mothers of children aged less than six months: results from the BADUTA study in East Java, Indonesia	Christiana Rialine Titalay, Michael J. Dibley, Iwan Ariawan, Anifatun Mu'asyaroh, Ashraful Alam, Rita Damayanti, Tran Thanh Do, Elaine Ferguson, Kyaw Htet, Mu Li, Aang Sutrisna and Umi Fahmida	International Breastfeeding Journal	Q1	January 2021
2	Prenatal and postnatal determinants of stunting at age 0-11 months: A cross-sectional study in Indonesia	Arindah Nur Sartika, Meirina Khoirunissa, Eflita Meiyetriani, Evi Ermayani, Indriya Laras Pramesthi, Aziz Jati Nur Ananda	PLoS One	Q1	July 2021
3	Growth, Dietary Intake, and Vitamin D Receptor (VDR) Promoter Genotype in Indonesian School-Age Children	Tiffany C. Angelin, Saptawati Bardosono, Dewi Shinta, Umi Fahmida	Nutrients	Q1	August 2021
4	Effect of four weeks of 5:2 intermittent fasting on energy intake and body mass index among obese male students aged 18-25	Hadiyati Fudla, Ninik Mudjihartini, Helda Khusun	Obesity Medicine	Q3	August 2021
5	Funeral Processes During the COVID Pandemic: Perceptions Among Islamic Religious Leaders in Indonesia -19	Nurhayati Nurhayati, Tri Bayu Purnama	Journal of Religion and Health	Q1	October 2021
6	Long working hours, poor sleep quality, and work-family conflict: determinant factors of fatigue among Indonesian tugboat crewmembers	Muchtaruddin Mansyur, Risna Sagitasari, Grace Wangge, Astrid B Sulistomo, Aria Kekalih	BMC Public Health	Q1	October 2021

No	Article Title	Author	Journal	Scopus index	Publication date
7	Students' Interests and Learning Venues as Enablers for School-Based Nutrition Education among Adolescents in Jakarta	Pramesthi Widya Hapsari Judhiastuty Februhardtany, Saptawati Bardosono	Nutrition and Food Science	Q3	October 2021
8	Meningkatkan Literasi Matematika Konteks Gizi Siswa SMA Menggunakan Flipped Classroom Pada Masa Pandemi Covid-19	Chandra Sri Ubayanti, Crosita Octaria	JUDIKA (JURNAL PENDIDIKAN UNSIKA)	S4	November 2021
9	Nutrition Fact Panel Use and its Association to Diet Quality among University Students in Universitas Indonesia	Sarah Christy, Helda Khusun , Dian Novita Chandra, Diana Sunardi	Jurnal Gizi dan Pangan	S2	November 2021
10	Maternal Attributes and Child Minimum Acceptable Diet during COVID-19 Pandemic in Indonesia	Athiya Fadlina, Judhiastuty Februhardtany, Bardosono	Judhiastuty Saptawati Indonesian Journal of Human Nutrition	S2	November 2021
11	Exclusive breastfeeding practice and sources of support during COVID -19 pandemic in Indonesia	Cahya Ayu Agustin, Judhiastuty Februhardtany, Bardosono	Indonesian Journal of Human Nutrition	S2	November 2021
12	Pemanfaatan MOODLE dalam Pembelajaran Menulis Teks Eksposisi Siswa SMA	Sri Wantoro	Edugama: Jurnal Kependidikan dan Sosial Keagamaan	S5	December 2021
13	Teachers' Experiences with Nutrition Education Activities and Their Perceived Key Factors to an Effective Nutrition Education	Luh Ade Ari Wiradnyani, Kekalih, Roselynne Angraini, and Judhiastuty Februhardtany	Southeast Asian Journal of Tropical Medicine and Public Health	Q4	December 2021

No	Article Title	Author	Journal	Scopus index	Publication date
14	The Effect of a Teacher -led Nutrition Education Program towards Anemia and Nutrition Status of Adolescent Girls in Bogor, Indonesia	Purnawati Hustina Rachman, Karina Rahmadi Ekawidyani, Anna Vipta Resti Mauludyani, Judhiastuty Februhartanty	Nutrire Diaita	NA	2021
15	Food Insecurity Associated with Double Burden of Malnutrition among Women in Reproductive Age in Ciampaea Sub-district, Bogor, West Java	- Seala Septiani, Ismi Irfiyanti, Tran Thi Hai, Helda Khusun, Luh Ade Wiradnyani , Aria Kekalih, Paulus Daniel Sahanggamu	Indonesian Journal of Public Health Nutrition	NA	2021
16	Effectiveness of optimized food-based recommendation promotion to improve nutritional status and lipid profiles among Minangkabau women with dyslipidemia: A cluster-randomized trial	Gusnedi Gusnedi, Umi Fahmida , Fiasstuti Witjaksmono, Fariz Nurwidya, Muchtaruddin Mansyur , Ratna Djuwita, Cesilia Metri Dwiriani and Murdani Abdullah	BMC Public Health	Q1	January 2022
17	Incidence and Risk Factors for Musculoskeletal Injuries among Indonesian Junior Badminton Athletes during a National Elite Championship	Finnia A Suryanto, Indah Suci Widyahening and Ade Jeanne Tobing	Acta Medica Philippina	Q4	January 2022
18	Renal Function Analysis of Crane Operators in a Container Terminal and its Related Factors	Muhammad Rizqi Nasution, Indah S. Widyahening , Muhammad Ilyas, Dewi S. Soemarko and Aria Kekalih	Acta Medica Philippina	Q4	January 2022

No	Article Title	Author	Journal	Scopus index	Publication date
19	A Mixed -Methods Exploration of Implementation of a Healthy School Canteen Program after a Year Intervention	Hadiyati Fudla, Azizah Ajeng Pratiwi, Nurul Azma Ahmad Tarmizi, Eflita Meiyetriani, Indriya Laras Pramesti, Aziz Jati Nur Ananda, Roselynne Anggraini, Dwi Nastiti Iswarawanti, Eva Ermayani	Open Access Macedonian Journal of Medical Sciences	Q3	January 2022
20	Animal and Plant Protein Food Sources in Indonesia Differ Across Socio -Demographic Groups: Socio -Cultural Research in Protein Transition in Indonesia and Malaysia	Helda Khusun, Judhiastuty Febru Hartanty, Roselynne Anggraini, Elisa Mognard, Yasmine Alem, Mohd Ismail Noor, Norimah Karim, Cyrille Laporte, Jean-Pierre Poulaing, Pablo Monsivais, and Adam Drewnowski	Frontiers in Nutrition	Q1	February 2022
21	Effectiveness of an Integrated Nutrition Rehabilitation on Growth and Development of Children under Five Post 2018 Earthquake in East Lombok, Indonesia	Umi Fahmida, Ahmad Thohir Hidayat, Anak Agung Sagung Indriani Oka, Dini Suciyanti, Pathurrahman Pathurrahman, and Grace Wangge	IJERPH	Q2	February 2022
22	Mother's coping strategies toward food insecurity during COVID-19 pandemic: a review article	Sherly Ardi Vantono, Saptawati Bardosono, and Luh Ade Ari Wiradnyani	World Nutrition Journal	S4	February 2022
23	Regulatory oversight on the use of experimental therapies during a pandemic: The case of early access to convalescent plasma therapy in three LMICs	Rosemarie Bernabe, Cristina Torres, Grace Wangge, Edlyn Jimenez, Juntra Karbwang	Drug Discovery Today	Q1	March 2022

No	Article Title	Author	Journal	Scopus index	Publication date
24	Assessment of the obesogenic environment in primary schools: a multi -site case study in Jakarta	Levina Chandra Khoe, Indah Suci Widyahening , Syougie Ali and Helda Khusun	BMC Nutrition	Q2	March 2022
25	Problem Nutrients and Food Recommendations for Pregnant Women and Under-Five Children in High -Stunting Districts in Indonesia	-Based Umi Fahmida, Indriya Laras P , Sari Kusuma, Giri Wurjandaru, Doddy Izwardi	Current Developments in Nutrition	Q1	March 2022
26	Evidence-Based Nutrition Interventions Improved Adolescents' Knowledge and Behaviors in Indonesia	Vanessa M. Oddo, Airin Roshita, Tajuddin Khan, Iwan Ariawan, Luh Ade Ari Wiradnyani , Suman Chakrabarti, Doddy Izwardy and Jee Hyun Rah	Nutrients	Q1	April 2022
27	Correlation between appetitive traits and diet quality of young children in north Jakarta	Alfi Rahma Putri, Dian Novita Chandra, Luh Ade Ari Viradnyani	Malaysian Journal of Public Health Medicine	Q4	April 2022
28	Noncommunicable diseases risk factors and the risk of COVID -19 among university employees in Indonesia	Indah Suci Widyahening , Dhanasari Vidiauwati, Trevino A. Pakasi, Pradana Soewondo, Abdillah Ahsan	PLoS ONE	Q1	June 2022
29	Feeding Practices of School -aged Children during COVID -19 Pandemic: A Qualitative Study.	Alfitri KN, Februhartany J , Nurwidya F	Amerita Nutrition	S2	June 2022
30	Improvement of students and snack vendors behavior after received health promotion program from UKS cadres	Rina Doriana Pasaribu, Oslida Marthony, Sri Supriyatnini, Dwi Nastiti Iswarawanti	Jurnal Gizi Indonesia	S2	June 2022

No	Article Title	Author	Journal	Scopus index	Publication date
31	The Role of Food and Beverage Marketing on Adolescents' Food Choice: A qualitative study	Grace Shila, Februhartany , Saptawati Bardosono	Judhiastuty International Journal of Public Health	Q4	2022
32	Determinants of diet quality among mothers of young children in an urban slum area in Jakarta: Mother's age, vegetables availability, and eating out frequency	Fitya Safira Birahmatika, Dian Novita Chandra, Luh Ade Ari Wiradnyani	Malaysian Journal of Nutrition	Q3	2022

Appendix 5 List of Research Results Dissemination in International Conferences & Other Scientific Events

No.	Title	Speaker	Event	Date
1	A mixed-methods exploration of implementation of a healthy school canteen program after a year intervention	Eflita Meiyetriani	The 3rd Asia-Pacific Partnership on Health and Nutrition Improvement (APHNI) Conference 2021	14 – 16 October 2021 (Universitas Alma Ata)
2	Infant feeding practices, maternal mood and sources of supports during the Covid -19 pandemic in Indonesia	Judhiastuty Februahartany	Asia-Pacific Webinar Series International Society for Research in Human Milk and Lactation (ISRHML)	26 October 2021 (online)

Appendix 6 List of National and Regional Trainings on Food and Nutrition

No	Program	Date	Number of Participants
1.	Pelatihan Dalam Jaringan Master of Trainers “Anakku Sehat dan Cerdas: Penerapan Konsep PAUD HI Melalui Sesi Parenting Sebagai Upaya Pencegahan Stunting di 50 Kabupaten Prioritas Stunting di Indonesia”	6-9 July 2021	360
2.	Online Training Healthy School Canteen in Southeast Asia	July - October 2021	70
3.	Pelatihan Dalam Jaringan Master of Trainers “Anakku Sehat dan Cerdas: Penerapan Konsep PAUD HI Melalui Sesi Parenting Sebagai Upaya Pencegahan Stunting di 16 Mitra Pemerintah Daerah Tingkat Kabupaten”	29 Maret – 1 April 2022	96
4.	Online Training “Nutrition Goes to School (NGTS) in Cambodia’	8,9,14,17,22 June 2022	26

Appendix 7 List of Lectures and Seminars on Food and Nutrition

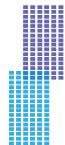
No	Program	Date	Number of Participants
1.	Webinar Series “Healthier Food Choices: Ways forward with nutrient profiling and nutritional labeling in SEA region”		
	a. Strategies for Prevention of Double Burden of Malnutrition in SEA Region	22 April 2021	97
	b. Nutrient Profiling Systems for Food Systems Actions	4 August 2021	85
2.	Webinar Series “Asian Diets in Combating Non - Communicable Diseases and Dietary Patterns in Disease Prevention – Multi Country Experience”		
	a. Asian Diets in Combating NCDs	21 July 2021	145
	b. Dietary Patterns and Disease Prevention – Multi Country Experience	21 October 2021	255
3.	Webinar “Nutrition Programme and Management in SEA Region: Sharing from Nutrition Leadership Programme (NLP) Alumni”	18 November 2021	98

Appendix 8 List of Staff Consultancies

No.	Activities	Staf Involved	Roles	Host Institution	Type of Institution	Country	Time
1	Webinar tentang peningkatan sumber daya manusia melalui pengetahuan tentang nutrisi yang seimbang yang ditujukan kepada guru dan siswa SMP.	Dewi Shinta, M Gizi	Resource Person	Musyawarah Guru Mata Pelajaran (MGMP) IPA Kota Cimahi	Academic Institution	Online meeting	2 June 2021
2	Pemateri dengan Tema "Peran Keluarga dan Sekolah dalam Mencegah Stunting"	dr. Drupadi HS Dillon, PhD	Resource Person	Prodi PG PAUD Fakultas Tarbiyah dan Keguruan Universitas Islam Bandung	Academic Institution	Online meeting	16 June 2021
3	Undangan sebagai WHO Expert Committee on the Selection and Use of Essential Medicines	dr. Indah S. Widyahening, MS, MSc-CMMF, PhD	Temporary adviser	WHO	UN Agency	Online meeting	21 June - 2 July 2021
4	International Conference on School Nutrition - German Federal Ministry of Food and Agriculture	Dr. Jesus Corpuz Fernandez	Facilitator/ Rapporteur	German Federal Ministry of Food and Agriculture	Ministry	Online meeting	23 - 25 June 2021
5	International Conference on School Nutrition - German Federal Ministry of Food and Agriculture	Dr. Luh Ade Ari Wiradnyani	Participant	German Federal Ministry of Food and Agriculture	Ministry	Online meeting	23 - 25 June 2021

No.	Activities	Staf Involved	Roles	Host Institution	Type of Institution	Country	Time
6	Webinar The New Challenges in NCD's Control and prevention in The Asia Pasific Region	Helda Khusun, PhD	Resource Person	Program Studi S2 Kesehatan Masyarakat, Universitas Alma Ata	Academic Institution	Online meeting	28 June 2021
7	Informasi untuk Penyusunan Laporan Akhir Kerja Sama RI dan UNICEF 2016 - 2020	Dr. Luh Ade Ari Wiradnyani	Participant	Bappenas	Ministry	Indonesia	23 June 2021
8	Pemateri Seminar Online dengan tema : Dr. Luh Ade Ari Wiradnyani Obesitas pada Remaja	Resource Person	Jurusan Gizi - Fakultas Kedokteran Universitas Brawijaya	Academic Institution	Online meeting	4 July 2021	
9	Program ToT (Training of Trainer) Stunting	Dr. Ir. Umi Fahmida, MSc	Resource Person	Dinas Pendidikan Kabupaten Malang	District Government	Indonesia	28 June - 2 July 2021
10	Tenaga Pengajar dengan topik: Upaya Penanganan Masalah Hidayat Gizi (Pendidikan)	Ahmad Thohir	Resource Person	STIK Sint Carolus	Academic Institution	Online meeting	6 July 2021
11	Ujian tertutup Program Doktor (S3) atas nama Ibnu Malkan Bahrul Ilmi	dr. Grace Wangge, PhD	Examiner	Pasca Sarjana - IPB	Academic Institution	Online meeting	16 July 2021

No.	Activities	Staf Involved	Roles	Host Institution	Type of Institution	Country	Time
12	Pembahas Kolokium	Dr. Luh Ade Ari Wiradnyani	Discussant	FEMA - IPB	Academic Institution	Online meeting	9 July 2021
13	Member of BIOTROPIA Editorial Board Year 2021 - 2023	Dr. Jesus Corpuz - Fernandez	Editorial board	SEAMEO BIOTROP	SEAMEO Center		2021 - 2023
14	Co-Promotor peserta didik atas nama Arlen Defitri Nazar	Dr. Ir. Umi Fahmida, MSc	Co-Promotor	Program Studi Ilmu Biomedis, Program Doktor - Universitas Andalas	Academic FK Institution	Online meeting	Until graduation
15	Narasumber Webinar: "Kenaikan cukai sebagai upaya pengendalian tembakau dan pendorong percepatan penanganan stunting".	dr. Grace Wangge, PhD Resource Person	Institut Teknologi dan Bisnis Ahmad Dahlan - Center of Human and Economic Development (CHED)	Academic Institution	Online meeting	12 July 2021	
16	Pembimbing/ Reviewer Problem Based Learning Community Nutrition	Dr. Luh Ade Ari Wiradnyani	Advisor/ Reviewer	FK UNDIP	Academic Institution	Online meeting	15 July 2021
17	Pengujian Luar skripsi mahasiswa atas nama Yovita Dewi Pramesti	Eflita Meiyetriani, MKM	Examiner	FKM - UI	Academic Institution	Online meeting	30 July 2021



No.	Activities	Staf Involved	Roles	Host Institution	Type of Institution	Country	Time
18	Webinar Linear Programming to Design Food and Nutrition Intervention	Dr. Ir. Umi Fahmida, MSc	Resource Person	FK - UNDIP	Academic Institution	Online meeting	1 September 2021
19	Narasumber dan Undangan FGD Pangan Lokal	Dr. Ir. Umi Fahmida, MSc	Resource Person	Kemenko Bidang Pembangunan Manusia dan Kebudayaan RI	Ministry	Online meeting	29 July 2021
20	Invitation as Guest Speaker to the 1st CPAF Virtual Recognition	Dr. Jesus Corpuz Fernandez	Guest Speaker	College of Public Affairs and Development, UPLB	Academic Institution	Online meeting	5 August 2021
21	Konsultan Kemenkes	dr. Grace Wangge, PhD	Consultant	Direktorat Jenderal Kesehatan Masyarakat, Kemenkes RI	Ministry	Online meeting	August-October 2021
22	Konsultasi Pakar pada validasi kuesioner untuk salah satu mahasiswa S3 FEMA IPB tentang Literasi Gizi dan Kualitas Gizi Remaja di Kota Palu Pasca Bencana.	Dr. Luh Ade Ari Wiradnyani	Resource Person	FEMA - IPB	Academic Institution	Online meeting	28 July 2021
23	Narasumber Kegiatan Webinar Series Pre - Internship Community Nutrition	Dr. Judhiastuty Februhartany	Resource Person	FK - UNDIP	Academic Institution	Online meeting	1 September 2021

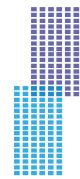
No.	Activities	Staf Involved	Roles	Host Institution	Type of Institution	Country	Time
24	Narasumber FK UNDIP kegiatan "Summer Course Online dengan Judul "Diponegoro Course on Child Nutritional Aspects (The 1st 1000 days of Life) In Coastal Region: Nutritional intervention, diet quality and behavior" dengan topik :"Linear Programming to Design Food and Nutrition Intervention"	Dr. Ir. Umi Fahmida, MSc	Resource Person	FK - UNDIP	Academic Institution	Online meeting	1 September 2021
25	Pembicara pada Webinar untuk Remaja	AAS. Indriani Oka, M Gizi	Resource Person	PT. Indofood Sukses Makmur, Tbk	Industry	Online meeting	28 August 2021
26	Narasumber Kegiatan Webinar Series Pre - internship Community Nutrition dengan topik : Konsep dan Aplikasi Perencanaan Program Gizi Masyarakat pada Kelompok Remaja dan Dewasa (usia 12 - 40 tahun)	Dr. Judhiastuty Februhartanty	Resource Person	FK - UNDIP	Academic Institution	Online meeting	1 September 2021

No.	Activities	Staf Involved	Roles	Host Institution	Type of Institution	Country	Time
27	Moderator pada online webinar yang dihost Pergizi Pangan dgn tema “Pola Makan dan Konsumsi Pangan Kita: Apa yang Berubah? Tambah Baikkah?”	Dr. Luh Ade Ari Wiradnyani	Resource Person	PERGIZI PANGAN	Professional Organization	Online meeting	25 August 2021
28	Narasumber dalam kegiatan ” Diskusi Publik Bincang FOLU dengan tema ”Pemanfaatan Pangan Lokal untuk Sistem Pangan yang Berkelaanjutan”	Dr. Ir. Umi Fahmida, MSc	Resource Person	Koalisi FOLU, WRI Indonesia	Research Organization	Online meeting	24 August 2021
29	Resource Speaker with the topic the use of Linear Programming in diet optimization for food and nutrition security - maternal and infant (Presents the overview and recent studies on the use of linear programming in nutrition research)	Dr. Ir. Umi Fahmida, MSc	Resource Person	The Philippine Society of Nutritionist-Dietitians (PSND),	Professional Organization	Online meeting	25 September 2021

No.	Activities	Staf Involved	Roles	Host Institution	Type of Institution	Country	Time
30	Moderator Kegiatan Seminar Internasional 2021 dengan tema "Healthy Diet for Healthy Planet" dengan isu "Sustainable Healthy Diets for Better Generation",	Dr. Juddhiastuty Februhartanty	Moderator	Polttekkes Kemenkes Bandung	Academic Institution	Online meeting	9 October 2021
31	Webinar (Session 1: Linear Programming for Building Healthy Diets)	Dr. Ir. Umi Fahmida, MSc	Resource Person	Department of Science and Technology - Food and Nutrition Research Institute (Philippines)	Academic Institution	Online meeting	2 September 2021
32	Pembimbing I Tesis Mahasiswa Program Studi Magister Ilmu Gizi FKUI atas nama Evi Nurhidayati dan Annisa Melati Putri	Prof. dr. Muchtaruddin Mansyur, MS, PKK, PGDRM, Sp.Ok., PhD	Thesis Advisor	Program Studi Magister Ilmu FKUI	Gizi Institution	Online meeting	September end
33	Narasumber pada kegiatan Diskusi Awal/Briefing Tim Teknis Nutrition for Growth (N4G)	Dr. Ir. Umi Fahmida, MSc	Resource Person	Bappenas	Ministry	Online meeting	3 September 2021
34	Narasumber "Praktik Baik Pencegahan dan Penanggulangan Anemia Multisektor"	Helda Khusun, PhD	Resource Person	Dinkes Kalimantan Selatan	Provincial Government	Online meeting	10 September 2021

No.	Activities	Staf Involved	Roles	Host Institution	Type of Institution	Country	Time
35	Temu Pakar Studi Kohor Tumbuh Kembang Anak Tahun 2021	Dr. Ir. Umi Fahmida, Resource Person	Balitbangkes, Kemkes RI	Ministry	Online meeting	9 September 2021	
36	Pengajar tentang "Modul Pengetahuan Ilmu Gizi Umum" pada perkuliahan Semester Genap Tahun Akademik 2021/2022 Program Studi Magister Ilmu Gizi FKUI	dr. Drupadi HS Dillon, PhD	Lecturer	Departemen Ilmu Gizi Klinik FKUI	Academic Institution	Online meeting	7 - 10 September 2021
37	Pertemuan "Peningkatan Kapasitas Petugas dalam pelaksanaan Proses Asuhan Gizi Puskesmas tahun 2021	Sari Kusuma, M Gizi; Resource Person	Dinas Kesehatan Kalimantan Selatan	Provincial Government	Online meeting	14 September 2021	
38	"Webinar Edukasi Gizi Aisyah Nurcita Dewi, M Gizi"	Aisyah Nurcita Dewi, M Gizi	Resource Person	SMP Muhammadiyah 36 Jakarta	Academic Institution	Online meeting	21 September 2021
39	Pertemuan Penyusunan Pedoman Gizi Seimbang Anak Usia 6-9 Tahun dan Remaja Usia 10 -19 Tahun	Helda Khusun, PhD	Resource Person	Direktorat Jenderal Kesehatan Masyarakat, Kemenkes RI	Ministry	Online meeting	15 September 2021

No.	Activities	Staf Involved	Roles	Host Institution	Type of Institution	Country	Time
40	Reviewer for Technical Advisory Committee (TAC) pada Global Agriculture and Food Security Program (GAFSP) khususnya untuk kategori Producer Organizations (POs)	Dr. Ir. Umi Fahmida, MSc	Reviewer for Technical Advisory	The Global Agriculture and Food Security Program (GASFP)	Development Partner	Online meeting	15 September - November 2021
41	Penghargaan penerapan Prokes pencegahan COVID 19 bagi Tempat Pengelolaan Pangan (TPP) di Indonesia	Dr. Dwi Nastiti Iswarawanti;	Assessment Team	Direktorat Kesehatan Masyarakat, Kemenkes RI	Jenderal Ministry	Jakarta Timur; Jawa Timur	23 - 24 September 2021; 29 September - 1 October 2021
42	Penghargaan penerapan Prokes pencegahan COVID 19 bagi Tempat Pengelolaan Pangan (TPP) di Indonesia	Arienta Putri Sudibya, MSc	Assessment Team	Direktorat Kesehatan Masyarakat, Kemenkes RI	Jenderal Ministry	Kab.Berau Kalimantan Timur	29 September - 1 October 2021
43	Seminar Nasional dan Call for Paper "Optimalisasi Sumberdaya Perdesaan dan Kearifan Lokal dalam penganginan	Dr. Ir. Umi Fahmida, MSc	Resource Person	Fakultas Ilmu Kesehatan Universitas Jend. Soedirman	-ilmu Academic Institution	Online Meeting	12 O ctober 2021



No.	Activities	Staf Involved	Roles	Host Institution	Type of Institution	Country	Time
44	Advokasi program kampus sehat	dr. Indah S. Widyahening, MS, MSc-CMFM, PhD	Resource Person	Kemenkes RI	Ministry	Online Meeting	19 Oktober 2021
45	Narasumber pada kegiatan kuliah pakar dengan tema "Peran Perguruan Tinggi Dalam Meningkatkan Pendidikan dan Promosi Gizi sebagai Salah Satu Upaya Pencegahan Stunting"	Dr. Judhiastuty Februhartanty	Resource Person	Polttekkes Mamuju	Academic Institution	Online Meeting	27 Oktober 2021
46	Kegiatan Merdeka Belajar - Kampus Merdeka Camp : Pelatihan Supervisi Pembelajaran IPA Bagi Kepala Sekolah Jenjang SMP	Arianta Rahmania Putri Sudibya, MSc	Resource Person	SEAMEO Centre	Academic Institution	The Lombok Beach Resort and Spa, NTB	10 November 2021
47	Narasumber Kegiatan Sosialisasi dan Bimtek PAUD HI Kabupaten Sambas	Dr. Ir. Umi Fahmida, MSc Dr. Dwi Nastiti Iswarawanti	Resource Person	PAUD HI, Kab. Sambas	Academic Institution	Online Meeting	1-2 November 2021
48	Peserta Bahasan Ajar PAGT dengan agenda penyusunan draft bahan ajar perkuliahan terkait Proses Asuhan Gizi Terstandar (PAGT)	Helda Khusun, PhD	Participant	Direktorat Jenderal Kesehatan Masyarakat, Kemenkes RI	Ministry	Online Meeting	1 November 2021

No.	Activities	Staf Involved	Roles	Host Institution	Type of Institution	Country	Time
49	Pelatihan Teknis bagi fasilitator tentang Percepatan Penurunan Stunting	dr. Grace Wangge, PhD	Resource Person	BKKBN Provinsi NTB	Provincial Government	Online Meeting	10 November 2021
50	Konferensi Internasional dengan tema "Triple Burden Disease and Pandemic Covid 19 : challenge and opportunity"	dr. Grace Wangge, PhD	Resource Person	FKM, UIN Sumatra Utara Medan	Academic Institution	Online Meeting	23 November 2021
51	Kegiatan Sultan Ageng Tirtayasa Nutrition Fest (SNF) 2021 dengan tema "Let's Create a Healthy and Smart Millennial Generation by Preventing and Solving The Triple Burden of Malnutrition!" pada webinar Talkation (Talking About Nutrition) dengan topik "Penerapan Gizi Seimbang Terhadap Pencegahan Stunting pada Remaja dan Ibu Hamil",	dr. Grace Wangge, PhD	Resource Person	FK-Universitas Sultan Ageng Tirtayasa	Academic Institution	Online Meeting	28 November 2021

No.	Activities	Staf Involved	Roles	Host Institution	Type of Institution	Country	Time
52	Narasumber kegiatan Training of Trainer Anaku Sehat Anakku Cerdas, Dinas Pendidikan dan Kebudayaan Kabupaten Muara Enim melalui bidang PAUD dan PNF,	Indriya Laras Pramesti, M Gizi; Dewi Shinta, M Gizi	Resource Person	Dinas Pendidikan dan Kebudayaan Kabupaten Muara Enim	District Government	Online Meeting	29 November - 4 Desember 2021
53	Narasumber pada kegiatan parenting gizi bagi orang tua peserta didik kelas X, XI, dan XII SMK Wirama Bogor dengan tema: Menjaga Kesehatan Remaja di Masa Pandemi Covid-19	Cahya Ayu Agustin, M Gizi	Resource Person	SMK Wirama	Academic Institution	Online Meeting	15 December 2021
54	Narasumber kegiatan Webinar Edukasi Sehat MUSE dengan topik : " Sosialisasi Program Nutrition Goes To School"	Dewi Shinta, M Gizi	Resource Person	Fakultas Ilmu Kesehatan UHAMKA	-ilmu Academic Institution	Indonesia / Online meeting	7 January 2022

No.	Activities	Staf Involved	Roles	Host Institution	Type of Institution	Country	Time
55	Penguatan SKN Pemberdayaan Masyarakat di Kampus dalam rangka mendukung pencapaian indikator Gerakan Masyarakat Hidup Sehat di tatanan pendidikan (kampus)	dr. Indah S. Widyahening, MS, MSc-CMFM, PhD	Participant	Direktorat Jenderal Kesehatan Masyarakat, Kemenkes RI	Ministry	Indonesia / Online meeting	14 January 2022
56	The 43rd SEARCA Online Learning and Virtual Engagements (SOLVE) Webinar on the topic “ <i>Nutrition Practices during COVID-19 Pandemic</i> ”	Dr. Luh Ade Ari Wiradnyani	Resource Person	SEARCA	Academic Institution	Philippines/ Online	29 June 2022

Appendix 9 List of Personnel Development Programs

No	Program	Date	Number of Participants
1	Pelatihan Pengadaan Barang dan Jasa (Tahap I)	16-18 Juni 2021	3 orang dengan 2 orang terseftifikasi PBJ
2	Sosialisasi dan Pelatihan E-SKP	15, 28, 29 Juli 2021	SCI dan seluruh staf
3	Pelatihan Penulisan Naskah Ilmiah Populer	27 – 28 Juli dan 3 Agustus 2021	15 orang
4	Pelatihan Pengadaan Barang dan Jasa (Tahap II)	2-7 September 2021	4 orang dengan 3 orang terseftifikasi PBJ
5	In-House training Perhitungan Satuan Biaya (unit cost)	25-29 Oktober 2021	15 orang
6	Peningkatan Kapasitas SDM “Organization Agility and Employee Engagement – I RECFON Journey to The New Us”	6 – 8 Desember 2021	49 orang

Appendix 10 List of Laboratory Clients

No.	Institutions
1	Department of Nutrition, Faculty of Medicine, Universitas Indonesia
2	Pusat Kebijakan dan Manajemen Kesehatan, Fakultas Kedokteran, Kesehatan Masyarakat dan Keprawatan UGM
3	Faculty of Human Ecology, IPB University
4	Human Nutrition Research Center - The Indonesian Medical Education and Research Institute (HNRC - IMERI), Faculty of Medicine, Universitas Indonesia
5	Department of Dermatology and Venereology, Faculty of Medicine, Universitas Indonesia
6	Program Studi Doktoral Ilmu Kedokteran - FKUI
7	Departemen Ilmu Kesehatan Anak, FKUI
8	Program Studi Gizi, FIKES, UPN Veteran Jakarta
9	HRGA - SEAMEO RECFON
10	KMPx- SEAMEO RECFON

Appendix 11 List of New or Extended Partnerships during Fiscal Year 2021 – 2022

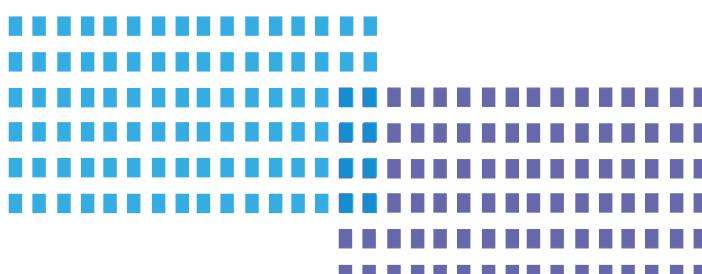
No.	Institution	Country	Scope of Partnership
1	International Medical University (IMU)	Malaysia	NGTS, Training, and Education
2	National Population and Family Planning Agency	Indonesia	ECCNE
3	District Government of Muara Enim	Indonesia	ECCNE
4	Health Polytechnic Pontianak – Sambas District	Indonesia	ECCNE
5	Health Polytechnic Yogyakarta	Indonesia	NGTS
6	Darussalam Gontor University	Indonesia	NGTS
7	Jambi University	Indonesia	Tri Dharma (Education, Research, and Community Services)
8	Institute of Nutrition, Mahidol University (INMU)	Thailand	Training and Education
9	SEAMEO TED	Cambodia	NGTS
10	District Government of Ogan Ilir	Indonesia	ECCNE
11	District Government of Ogan Komering Ulu	Indonesia	ECCNE
12	Health Polytechnic Aceh – Aceh Timur District	Indonesia	ECCNE
13	Health Polytechnic Bengkulu – Bengkulu Utara District	Indonesia	ECCNE
14	Health Polytechnic Pangkal Pinang – Bangka District	Indonesia	ECCNE
15	Health Polytechnic Semarang - Brebes District	Indonesia	ECCNE
16	Health Polytechnic Yogyakarta – Pekalongan District	Indonesia	ECCNE
17	Mataram University Hospital	Indonesia	Research
18	Ibnu Khaldun University	Indonesia	NGTS
19	Mataram University	Indonesia	Tri Dharma (Education, Research, and Community Services)
20	Ganesha Education University	Indonesia	Tri Dharma (Education, Research, and Community Services)

Appendix 12 Advocating Proper Nutrition in Special Education Schools for Children with ADHD and Down Syndrome in Southeast Asia (March 2022)

Evidence on the nutritional status of children with Down Syndrome and ADHD is still limited, whereas the prevalence of special need children is increasing. Little is known on the overall prevalence of the nutritional status of these children, including the methods, tools and indicators to assess this. These facts drove us to extend our research into proper nutrition in special need children. The project was a collaborative work within the Inter Centre Collaboration (ICC) project. This study was conducted to study good nutrition practices for ADHD and Down Syndrome students in Southeast Asia. The data from this study are expected to help special education specialists, nutritionists and dieticians to plan a daily diet for students with ADHD and Down Syndrome.



In 2022, the data collection process in Indonesia have begun since March 14, 2022. As of April 2022, there had been 13 Special Education Schools involved, with a total of 70 children participating in the research, among which 10 are children with ADHD while the other 60 are with Down Syndrome. Currently, there are other 30 children with ADHD in the research participant recruitment process. The data collection consists of two parts, the questionnaire and measurement. After collecting socio-demographic and food intake information from the parent or caregivers, anthropometric measurement was conducted to the students to collect the body weight, standing height, MUAC and waist circumference of the students





Aiming to keep innovating in programme development and formulating evidence-based policy recommendation, SEAMEO RECFON held the 6th research grant programme for academia and the 3rd program for teachers from early child education to senior high school level in Indonesia. This programme also aimed to push research publications in high-rank journal and scientific paper. A request for proposal was announced during November-December 2021 and further reviewed and selected by the research committee.



In this year programme, there was a slight change in research topic for academia and teachers as follows:

Academia group	Teacher group
Wide application of the monitoring information system of Nutrition Goes to School (NGTS) program	Innovation on teaching method in post Covid-19 Pandemics using classroom action research, with sub-topics as follows: <ol style="list-style-type: none"> 1. Balanced nutrition practice 2. Physical activity 3. New habit adaptation (3M health protocol) 4. Food safety 5. Food security 6. Food waste reduction 7. Food sustainability 8. Smoking habit prevention
Improving the health, nutritional status, and productivity of the schoolteachers in Indonesia	Classroom action research in implementing Early Childhood Care Nutrition Education (ECCNE) module
Tools development to assess nutrition risk and health factor and its relation with urban workers' productivity	Nutrition module development integrated with taught subjects at school

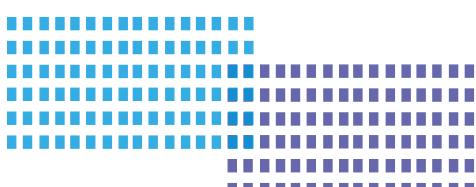
The list of SEAMEO RECFON research grant awardee is mentioned in the table below:

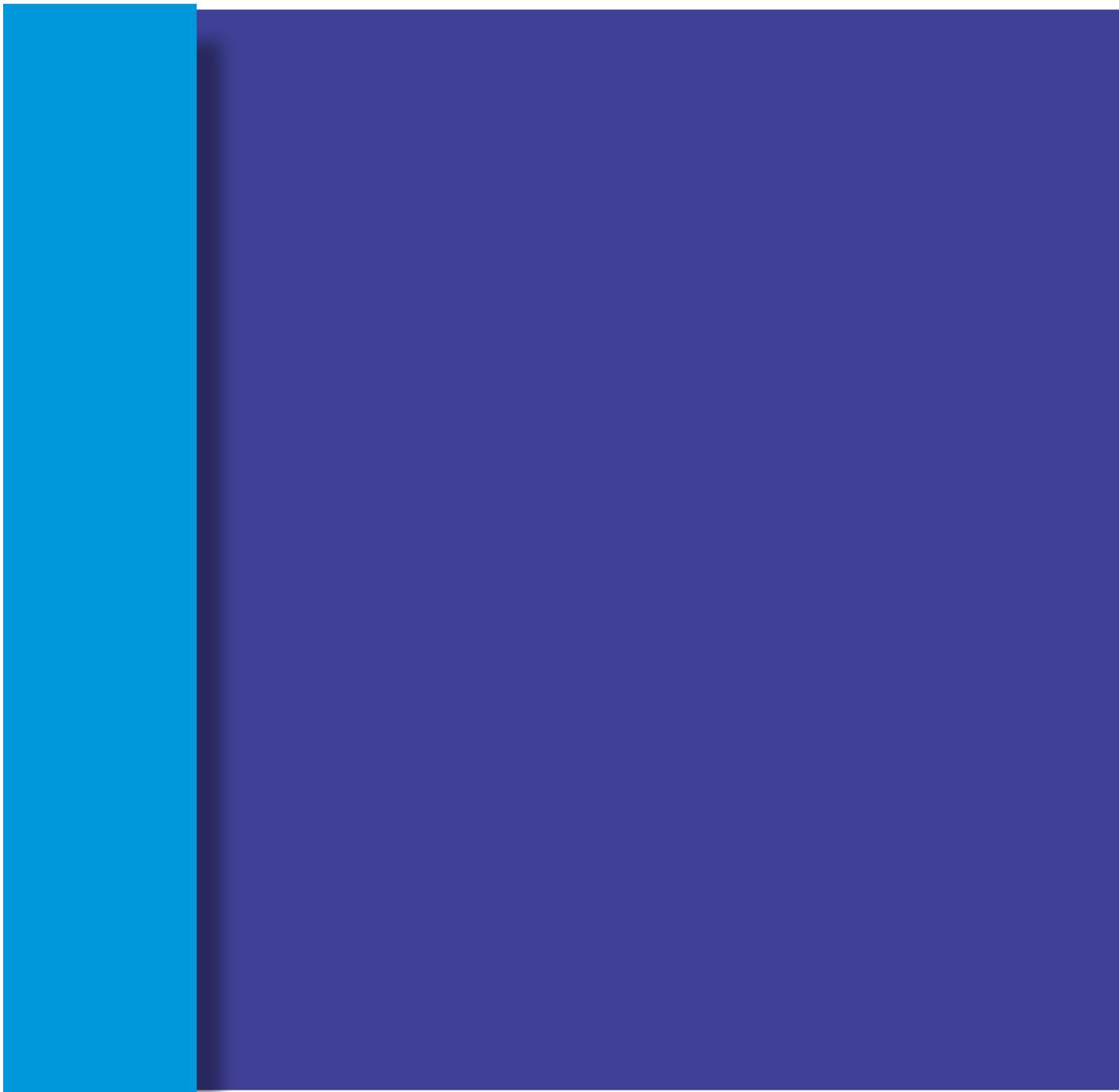
No	Project Name	Research Area	Priority Area	Study Team	Budget
1	Enhancement and Wider Adoption of a School-Based Nutrition Program Monitoring Information System: The Case of Nutrition Goes to School (NGTS) Program)	Optimal nutrition throughout the life course	NGTS	Nurul Dina Rahmawati, S.Gz., M.Sc	\$ 45.000.000
2	Pengembangan Model Sustainability-Based Action Teacher (SuBAT) untuk Meningkatkan Kesehatan, Status Gizi dan Kinerja Guru Sekolah Dasar di Provinsi Bali	Nutrition, health and productivity Nexus	NGTS	Dr. Nia Erlina, M.Pd.	\$ 45.000.000





No	Project Name	Research Area	Priority Area	Study Team	Budget
3	Pengembangan PRISAT (Productivity Risk Self-Assessment Tool) Untuk Deteksi Dini Faktor Risiko Penyakit Tidak Menular Penurun Produktivitas Pekerja Urban	Optimal nutrition throughout the life course	NGTW	Risti Rosmiati, S.Gz, M.Si	Rp 45.000.000
4	Upaya Meningkatkan Perilaku sesuai Gizi Seimbang pada Siswa Kelas 5 SDN Pandeyan Di Masa Pandemi Covid-19 melalui Program KOLAGEN	Optimal nutrition throughout the life course	NGTS	Ajeng Ningtias Irianti Suwandi, SPd	Rp 10.000.000
5	Upaya Peningkatan Kesadaran Keamanan Pangan pada Pembelajaran Riset di MAN 2 Kudus melalui Model RODADE dalam mengembangkan Inovasi Smart Detector Zat Aditif di Masa Pandemic COVID-19	Food Safety, Food Security and environment	NGTS	Ekadina Dzawil Ulya, S.Pd.	Rp 10.000.000
6	Meningkatkan Kemampuan Produksi Tiwul untuk Menjaga Food Sustainability Produk Pangan Lokal Pada Kelompok Siswa Yang Aktif Mengonsumsi Tiwul Melalui Project Based Learning Di SMK Negeri 1 Ponjong Gunungkidul	Food Safety, Food Security and environment	NGTS	Hasan Musthofa, S.Pd.	Rp 10.000.000
7	Pengembangan E-Modul Berbasis PBL Pada Materi Usaha Dan Energi Yang Terintegrasi Dengan Gizi Untuk Meningkatkan Hasil Belajar Kognitif Siswa Kelas X	Optimal nutrition throughout the life course	NGTS	Ratu Mulyanengsih, S. Pd.	Rp 10.000.000





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