

มหาวิทยาลัยทักษิณ
รับ 5A0A วันที่ 7 พ.ย. 2565
เวลา 09.18 น.



INDONESIA – MALAYSIA – THAILAND GROWTH TRIANGLE

Our Ref : CIMT/2022 (295)

Date : 3 NOVEMBER 2022

สถาบันทักษิณคดีศึกษา

รับที่ 2348/2565

วันที่ 7 พ.ย. 2565 : 11.29 น.

Dear IMT-GT University Network (UNINET),

INVITATION TO SEMINAR ON IMPROVING QUALITY AND PRODUCTIVITY OF THE PALM OIL IN THE IMT-GT SUBREGION

With reference to the above, we wish to extend the invitation to the **“Seminar on Improving Quality and Productivity of the Palm Oil in the IMT-GT Subregion”** organised by the Ministry of Agriculture of Indonesia (IMT-GT WGAA Indonesia) on **Thursday, 17 November 2022**. This program aims to provide platform to share new research and developments, identify challenges, and discuss various strategies and recommended practices, and possible coordinated actions to mitigate contaminants in palm oil, so that it would meet the acceptable global standards.

We would highly appreciate your attendance and kind assistance to extend the invitation to relevant agencies and institutions that may benefit from the event. Kindly complete the online registration form by 15 November 2022 via: <https://bit.ly/IMTGTPalmOilSeminar>.

Enclosed herewith, please find related documents of the seminar for your reference. For further information, please do not hesitate to contact email: regional.nonasean@gmail.com.

Thank you very much for your kind attention and cooperation.

Yours sincerely,

Firdaus Dahlan (Mr.)
Director of Centre for IMT-GT Subregional Cooperation

CC:

Hon. Mrs. Netty Muharni
Assistant Deputy Minister for Regional and Sub-Regional Economic Cooperation
Coordinating Ministry for Economic Affairs

Hon. Dato' Ahmad Zamri Bin Khairuddin
Director, Regional Development Division
Economic Planning Unit, Prime Minister's Department

Hon. Dr. Thutfai Keeratipongpaiboon
Director of International Strategy and Coordination Division,
Office of the National Economic and Social Development Council



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KEMENTERIAN PERTANIAN

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27 October 2022
Reff : B. 963 /KL.120/A.6/10/2022

Mr. Firdaus Dahlan
Director,
Centre for IMT-GT Subregional Cooperation

Subject : Seminar "Improving Quality and Productivity of the Palm Oil in the IMT-GT Subregion"

Dear Mr. Firdaus,

Kindly be informed that the Ministry of Agriculture of Indonesia c.q. International Cooperation Bureau has the honour to present an invitation for Seminar "Improving Quality and Productivity of the Palm Oil in the IMT-GT Subregion" on 17 November 2022. The program will be conducted virtually via Zoom Application (please find attached file of the concept note of seminar and its relevant publication for your kind reference).

Palm oil is a prominent commodity in IMT-GT Subregion and this program aims to provide a platform to share new research and developments, identify challenges, and discuss various strategies and recommended practices, and possible coordinated actions to mitigate contaminants in palm oil (ex. 3-MCPDE and Glycerol Ester) to meet acceptable global standards. The expected output of this program is cooperation in strengthening the subregional palm oil industry and increasing the competitiveness of oil palm from the IMT-GT subregion in the global market.

It would be highly appreciated if you could submit a completed online registration form by 15 November, 2022 at the latest using the following link:
<https://bit.ly/IMTGTPalmOilSeminar>.

We are looking forward to your participation and also highly appreciate if you can extend this invitation to Working Group Agriculture and Agro-based Industry (WGAA) members and other relevant stakeholder. Should you have any inquiry, please do not hesitate to contact us through email: regional.nonasean@gmail.com.

Thank you very much for your kind attention and cooperation.

Sincerely yours,

Ade Candradijaya
Director,
International Cooperation Bureau,
Ministry of Agriculture of Indonesia

Cc : Secretary General of the Ministry of Agriculture of the Republic of Indonesia



Annotated Agenda
SEMINAR “IMPROVING QUALITY AND PRODUCTIVITY OF
THE PALM OIL IN THE IMT-GT REGION”

Thursday, 17 November 2022
 Virtual Meeting
 08.00 – 12.30 A.M (GMT+7, JAKARTA TIME)

TIME (GMT+7)	TOPIC	RESOURCE PERSON
08.00 – 09.00	REGISTRATION	
09.00 – 09.15	<i>Opening Session</i> 1. Welcoming remarks 2. Virtual Photo Session	<ul style="list-style-type: none"> - Director of International Cooperation Bureau - Director Center of Indonesia-Malaysia-Thailand Subregional Cooperation (CIMT)
09.15 – 09.45	Mitigating 3 MCPD contaminant in palm oil in order to increase quality 1. Historical perspective on Issues of MCPDE and Glyceryl Ester (GE) and their impact on vegetable oil quality. 2. Code of practice of Mitigation Strategy on Palm Oil MCPDE and GE 3. Proposed Practices in Mitigating and Managing MCPDE and GE	Prof. Nuri Andarwulan <ul style="list-style-type: none"> - Department of Food Science and Technology - IPB University - South-East Asia Food and Agricultural Science and Technology (SEAFAST) Center - IPB University
10.00 – 10.30	Implementation of Good Agriculture Practice (GAP) and Good Manufacturing Practice (GMP) at the farmer level in order to improving the quality and food safety of palm oil 1. Factors influencing the implementation of Good Agriculture Practice GAP and Good Manufacturing Practices (GMP) 2. Application of GAP in cultivation management, especially harvesting of Fresh Fruit Bunches (FFB)	Dr. Donald Siahaan Principal Researcher, Indonesian Oil Palm Research Institute, PT. Perkebunan Nusantara III Holding

TIME (GMT+7)	TOPIC	RESOURCE PERSON
	3. Application of GMP in crude palm oil production 4. Effect of GAP and GMP application on oil palm FFB productivity, quality and food safety on palm oil	
09.45 – 10.15	3-MCPD Esters: A new challenge for the palm oil industry 1. Mitigation measures to evaluate the possible factors responsible for formation of 3-MCPDE and GE during processing of CPO in palm oil industry 2. Recommendations and challenges in mitigating contaminants in palm oil processing	Mr. Muhammad Roddy Ramli, Group Leader Analytical and Quality Development Unit, Malaysian Palm Oil Board
11.00 – 12.00	Discussion Session	Moderator: Normansyah Syahrudin, Ph.D., Coordinator of Plantation Marketing Division at DG of Plantation Ministry of Agriculture of Indonesia
12.00 – 12.30	Closing Session Keynote speech	Executive Secretary of DG of Plantation, Ministry of Agriculture of Indonesia
	END OF SEMINAR	

Concept Note

SEMINAR “IMPROVING QUALITY AND PRODUCTIVITY OF THE PALM OIL IN THE IMT-GT SUBREGION”

17 November 2022

1. Background

Palm oil is an edible product that plays a significant role in the world's consumption of food products. According to investigation conducted by the Agrarmarkt Information-Gesellschaft (2021)¹, palm oil is set to remain the world's most important vegetable oil in terms of global production and consumption, with output estimated at 76.5 million tons, and contributing just less than 36% of total vegetable oil production. Also the demand for palm oil for food continues to rise worldwide and outstripping other vegetable oils, it indicates that palm oil has characteristics which are not readily replaceable by other vegetable oil.

Although prices of palm oil tend to rise (the average price of CPO CIF Rotterdam in February 2022 reached US\$ 1,522/ton, which was US\$164 higher than that of January 2022 at US\$1,358/ton, and US\$469 higher than that of February 2021 at US\$1,053/ton (CPOPC, 2022)²), demand for palm oil is also projected to increase. This is based on estimates by the International Monetary Fund [IMF] (2022) which states that the global economy grew 5.9% in 2021 and to further expand 4.9% in 2022, which has an impact on increasing world demand for palm oil. This condition is considered an opportunity for IMT-GT member countries, which are the largest palm oil producers in the world, where Indonesia remains the largest palm oil producer with an output of 44.5 million tons, followed by Malaysia with 19.7 million tons and Thailand with 3.1 million tons (CPOPC, 2022)².

However, apart from these favorable conditions, there are challenges that need to be faced by palm oil producing countries. Currently, despite the high demand for palm oil by European Union (EU) countries, exports to the EU are unfortunately expected to be muted by 2022, partly due to The European Commission's proposed law to require proof that agricultural imports are not linked to deforestation. In addition, European Union consumers also demand food safety which has the potential to dampen palm oil sentiment, thereby limiting palm oil imports to the European Union.

Even with rising demand, there is still a need for the palm oil industry to ensure food safety. Consumers today (particularly in the European Union) are more

¹ Agrarmarkt Information-Gesellschaft. Newsletter: Vegetable Oil Report. 2022. Accessed from <https://www.efs-holland.com/tag/agrarmarkt-informations-gesellschaft/>

² CPOPC. (2021). Palm Oil Supply and Demand Outlook Report 2022. Accessed from <https://www.cpopc.org/wp-content/uploads/2021/12/CPOPC-OUTLOOK-2022.pdf>

aware of the importance of food safety in terms of food consumption. They must increasingly ensure that their food is free of contamination and safe to consume.

Currently, various kinds of sentiment towards palm oil have resulted in negative perceptions among consumers that palm oil is unhealthy because it contains higher levels of contaminants (example: 3-MCPDE and Glycerol Ester). On the issue of the contaminant level of the 3-MCPDE as proposed by the European Commission, the 7th Ministerial Meeting of CPOPC on 16th July 2019 agreed that one maximum level at 2,500 g/kg for all vegetable oils should be adopted, as the acceptable safety limit for consumption (CPOPC, 2021)³

In addition, it should be noted that trade barriers, including negative campaigns, have been increasingly imposed on palm oil by some countries. Besides export concerns, the issue of meeting the 3-MCPDE safety limit is crucial to safeguard the domestic market.

Until now, our understanding of 3-MCPDE generation and its relationship to the formation of glycerol ester (GE) in oil refining has been limited. Mitigation of 3-MCPDE is a complex issue that necessitates additional research, process modifications, and industrial trials, as well as mitigation at the farm level.

Based on the above background and the importance of palm oil as a food product globally, all palm oil producing countries including IMT-GT member countries are preparing for the challenge and are currently discussing, developing and proposing mitigations for the proposed EU regulations. These mitigation efforts in the future have a key role to defend and proudly promote palm oil reputation and quality at the WTO and other international forums.

Therefore, IMT-GT initiated the seminar as a platform to discuss various mitigation strategies and recommended practices. As a large producer of palm oil, IMT-GT subregion will organize seminars to share information and experiences by the expert and R&D institutions in mitigating 3-MCPDE and GE in palm oil processes based on all these findings.

2. Objectives

- a. Sharing of information and lesson-learned on works currently being undertaken to mitigate the formation of 3-MCPDE/GE throughout the supply chain industries.
- b. Exchange of research outputs and proposed collaborative works to mitigate quality and safety problems on palm oil to meet acceptable standards have been striven.

³ CPOPC. Press Release : CPOPC CEO Forum 2021. Accessed from <https://www.cpopc.org/press-release-cpopc-ceo-forum-2021/>

- c. Identifying and promoting the most cost-efficient technologies to further reduce 3-MCPDE/GE levels in various stages of palm oil production from upstream, midstream and downstream.

3. Resource Person and Topics of Discussion

Based on the aims and objectives of this meeting, the speakers and the proposed topics are as follows:

a. TOPIC 1

Mitigating 3-MCPDE and GE contaminant in palm oil in order to increase quality

Resource Person : Prof. Nuri Andarwulan, IPB University

Scope of discussion:

- 1) Historical perspective on Issues of MCPDE and Glycerol Ester (GE) and their impact on vegetable oil quality.
- 2) Code of practice of Mitigation Strategy on Palm Oil MCPDE and GE
- 3) Proposed Practices in Mitigating and Managing MCPDE and GE

b. TOPIC 2

Implementation of Good Agriculture Practice (GAP) and Good Manufacturing Practice (GMP) at the farmer level in order to improve the quality and food safety of palm oil

Resource Person: Dr. Donald Siahaan, Indonesian Oil Palm Research Institute

Scope of discussion:

- 1) Factors influencing the implementation of Good Agriculture Practice GAP and Good Manufacturing Practices (GMP)
- 2) Application of GAP in cultivation management, especially harvesting of Fresh Fruit Bunches (FFB)
- 3) Application of GMP in crude palm oil production
- 4) Effect of GAP and GMP application on oil palm FFB productivity, quality and food safety on palm oil

c. TOPIC 3

3-MCPD Esters: A challenges for the palm oil industry

Resource Person: Mr. M. Roddy Ramli, Malaysian Palm Oil Board

Scope of discussion:

- 1) Mitigation measures to evaluate the possible factors responsible for formation of 3-MCPD esters during processing of CPO in palm oil industry
- 2) Recommendations and challenges in mitigating contaminants in palm oil processing

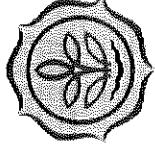
4. Participant

Participants will include representatives from public organisations (preferably from agriculture offices and ministries, including extension workers in the palm oil sector), relevant policymakers, academics engaged in research, development, management, and implementation of palm oil technology programmes and policies, the palm oil industry, associations, government as a policy maker, and oil palm farmers.

5. Location and Time

This seminar will be hosted by Indonesia virtually on 17 November 2022.

SEMINAR IMPROVING QUALITY AND PRODUCTIVITY OF THE PALM OIL IN THE IMT-GT REGION



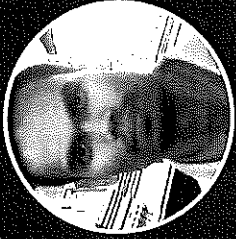
IMT-GT
INDONESIA-MALAYSIA-THAILAND GROWTH TRIANGLE

This program aims as a platform to share new research and developments, identify challenges, and discuss various strategies and recommended practices as well as the elaboration of possible coordinated actions to mitigate contaminants in palm oil (ex. 3-MCPDE and Glycerol Ester) to meet acceptable global standards. Something for everyone related to palm oil. Connect, learn and share knowledge to enhance the subregion's palm oil industry.

Resource Person



South-East Asia Food and
Agricultural Science and
Technology (SEAFST)
IPB University



Group Leader,
Malaysian Palm Oil
Board



Principal Researcher,
Indonesian Oil Palm
Research Institute

Moderator



Deputy Director for
Marketing of Plantation
Product, MoA Indonesia

REGISTRATION:

<https://bit.ly/IMTGTPalmOilSeminar>

FREE

