

**INDONESIAN CASSAVA SOCIETY (ICS) IN COOPERATION WITH THE DIRECTORATE GENERAL OF FOOD CROPS (DITJEN TP) AND THE INTERNATIONAL CENTER FOR TROPICAL AGRICULTURE (CIAT)**

**REPORT OF FOCUS GROUP DISCUSSION (FGD) ACTIVITIES  
IMPROVEMENT OF CASSAVA PRODUCTION TO SUPPORT TAPIOCA AND MOCAF INDUSTRIES IN  
STRENGTHENING NATIONAL FOOD SECURITY**

Day, date : Wednesday, March 11, 2020  
Time : 9:00 - 15:00  
Venue : PJK I Meeting Room Directorate General of Food Plants Lt. 1  
Jl. AUP No. 3, Pasar Minggu, South Jakarta, 12520

**PARTICIPANTS**

Representatives from (1) Ministry of Agriculture (Ditjen TP, BB Biogen, Balitkabi, BKP); (2) the Ministry of Cooperatives and SMEs; (3) LIPI; (4) Regional Agricultural Service; (5) Academics (UNEJ, ITB, UB); (6) Communities; (7) Industries; and (8) Small and Medium Enterprises. (Participant list details are attached).

**FGD IMPLEMENTATION**

1. Speech and Opening by Ir. Gatut Sumbogojati, M.M., Director of Processing and Marketing of Food Crop Products, representing the Director General of Food Crops: "National Cassava Development Policy in Supporting Tapioca and Mocaf Industries"
2. FGDs delivered by 6 (six) speakers, namely:
  - Prof. Ir. Wani Hadi Utomo, Project Leader of Balitkabi-Univ.Brawijaya-CIAT Cooperation: "Prospects for the Development of Cassava in North Sumatra and NTT"
  - Prof. Dr. Achmad Subagio, University of Jember: "Cassava: The Future of Indonesian Bio-Industry"
  - Ir. Arifin Lambaga, MSI Advisor: "Tapioca and Mocaf Standardization Increases Competitiveness in Domestic and Foreign Trade"
  - Prof. Dr. Enny Sudarmonowati, LIPI: "Cassava Bioresources as Tapioca and Mocaf Raw Materials in Supporting National Food Security"
  - Dr. Jonathan Newby, CIAT: "Strengthening Cassava Research Partnerships in Indonesia to Address Emerging Threats and Capitalize on New Opportunities"
  - Ir. Hernawan Eddy Purnomo, Ayu Food: "Case Study of Mocaf Processing and Food Display Made from Mocaf Raw Materials"
3. Discussion (question and answer)
4. Closing of the FGD by reading the Recommendation
5. The 3<sup>rd</sup> Conference of Indonesian Cassava Society (ICS)  
(FGD and National Conference agenda details attached).

## DISCUSSION (FAQ)

1. Participant from PT. Mutu Agung Lestari
  - International Markets, Quality issues of cassava-based products;
  - The government needs to facilitate Buyers meet Producers;
  - Need Market Intelligence, especially in supporting Forwarding Trade.
  
2. Participants from the Lampung Province Food Security Agency
  - Lampung as the center of corn and cassava;
  - Requires Market Intelligence;
  - There needs to be a regulation on integrated Mocaf Industry;
  - In Lampung, farmers plant a lot of UJ5 cassava varieties;
  - If more extensive land is needed for a model that has more impact (rather than small but many) that will be assisted by the Directorate General of Food Crops, it can be sought in Lampung.
  
3. Mr. Alexander from PT. Bima Agro Tama
  - Cassava or cassava farmers need to get capital support through KUR (local bank or credit division);
  - To overcome the price drop in the time of the cassava harvest, ICS should make a partnership with cassava-based industries;
  - Downstream cassava is currently experiencing problems because around 60 tapioca factories are closed;
  - Currently developing protein production technology by certain companies such as Cargill, made from cassava (tapioca starch), for this reason it is recommended that ICS establish cooperation with these companies to supply cassava raw material.
  
4. Cassava Entrepreneur (Former Head of Riau Provincial Agriculture Office)
  - Is there a government policy on Cassava Farmers (considering that cassava has multipurpose uses)?
  - How to help farmers at the time of the main harvest, the price of cassava falls. Considering in Riau there is only 1 tapioca factory which currently buys cassava from farmers around Rp 700/kg;
  - Many farmers in Riau (70%) plant cassava stem cuttings from Malaysia.
  
5. Mr Hindarta Rusli from the Tapioka Flour Factory of PT. Sei Balai Green Energy (SBGE) in Batubara District, North Sumatra
  - In the Batubara District, a modern Tapioca Plant has been built which saves water with an investment cost of around Rp 300 billion and can be BEP for 1 year and 6 months. Investors and technology from the Netherlands;
  - Before construction, it was agreed with investors that cassava would always be available to meet factory capacity and market needs;
  - The price of cassava in Batubara district is monitored continuously by the Association of Cassava Processing Entrepreneurs.
  
6. Prof. Dr. Achmad Subagio from Jember University

In Central Java there is 1 Mocaf factory with a capacity of 1000 tons/month, currently it only produces 800 tons of mocaf, there is a decrease of about 200 tons of mocaf, this is because of

difficulties in the supply of raw materials namely cassava. This is a major problem for the mocaf factory. So, if you want to build a factory, including a mocaf factory, especially first make sure the availability of raw materials, namely cassava. For this reason, there is a need for Contract Farming between the factory and cassava farmers.

7. Mr. Eman from Greenhope - Ecoplas in Tangerang, Banten
  - The organic plastic factory has used cassava (tapioca starch) as its raw material around 50%;
  - Products have been marketed to the United States and Europe;
  - Greenhope has entered into a Contract Farming with cassava farmers, which is currently buying cassava from the factory at a price of Rp 1,650/kg (market price of Rp 1,300/Kg) - so it is recommended to provide prices to farmers above the market so that good cooperation with farmers can be intertwined continuously;
  - Certified cassava from IMO in Switzerland can be made Cassava Chips for the European market (potato chips are becoming obsolete). Cassava that has been certified from IMO in Switzerland is easily exported.

## **RECOMMENDATION**

1. Because cassava has an economic value of Rp. 100 trillion, including its derivative products, the government needs to include cassava plants in national strategic commodities. Related to this matter will be made specifically and submitted to the Minister of Agriculture and the President of the Republic of Indonesia.
2. The government also needs to give priority to cassava in terms of research (as a National Research Priority covering upstream and downstream), development and implementation. The industry needs to play a greater role in collaborating with related K/L research institutions: Law on National Science and Technology No. 11, 2019.
3. The need for the development of a national superior cassava seedling system. It aims to provide several superior seeds/varieties including Malang 4 to cassava farmers so that 40-60 tons/ha can be achieved. For this reason, it is necessary to establish centers for providing superior seeds, including tissue culture, to supplement seed sources from cuttings.
4. In order for the assistance program of the Directorate General of Food Crops in 19 Provinces covering an area of 20,000 Ha with the largest area of 4,640 Ha in 2020 to have a more significant impact, it needs to be in one location of 200 Ha as a model of cassava pilot area from upstream to downstream with the concept of zero waste. Lampung is considered the most suitable because of the availability of land and several other supporting factors.
5. Determination of location in the assistance program of the Directorate General of Food Crops is also needed a synchronization with off taker, so that efforts to increase cassava production can be guaranteed benefits for both farmers and industry.
6. The need for government policies to maintain the stability of cassava prices and reasonable selling prices at the farm level.

7. The need for SNI (Indonesian National Standard) obligation for tapioca and mocaf and other types of products. SNI that has been available for two tapioca and mocaf has expired, which is in 2011, whereas every 5 years must be renewed.
8. In an effort to reduce the import of cassava, government policies are needed to support production, processing, and marketing as well as increasing export opportunities in the form of fresh, processed, and derivative products. The foregoing certainly needs coordination with related agencies.
9. The need to enter the "one day no rice" program every Friday to reduce dependence on rice.
10. The need to develop/introduce "smart rice" biofortified with protein from various beans (mung beans or gude beans) gradually.
11. The need for an integrated movement to promote mocaf as a substitute for wheat through local governments throughout Indonesia.
12. The need to increase awareness of Cassava Mosaic Disease in cassava which has now attacked cassava plants not only in Africa and India, but has also entered the Southeast Asian region.
13. To realize the overall recommendations above, it is necessary to hold closer coordination, synergy and cooperation among all relevant parties.

### **3rd CONFERENCE OF INDONESIAN CASSAVA SOCIETY (ICS)**

Ir. Arifin Lambaga was chosen on the basis of consensus among three candidates, namely Prof. Dr. Enny Sudarmonowati and Prof. Dr. Achmad Subagio, as Chair of the ICS National Leadership Council 2020-2025 period. Furthermore, the Chairperson will determine the two aforementioned names as Chair of the Advisory Panel and Chair of the Expert Council and determine other elements of the Management. (CV. Ir. Arifin Lambaga is attached).

### **THANK-YOU NOTE**

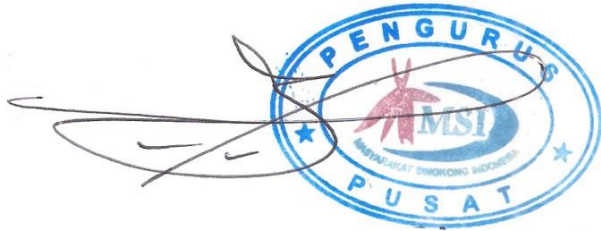
We would like to thank the Director of Food Crop Processing and Marketing, representing the Director General of Food Crops, who has deigned to open and direct FGD activities. Thank you for the active participation of all speakers, invitees and participants. Thank you for the financial support provided by the Indonesian Ministry of Agriculture's Directorate General of Food Crops, the International Center for Tropical Agriculture (CIAT), and the Indonesian Cassava Society (ICS) so that FGD activities can run smoothly and successfully.

## ATTACHMENT

- A. List of Participants
- B. FGD Agenda and ICS National Conference
- C. Slides presented by Directorate General of Food Crops
- D. Slides presented by 6 (six) Speakers
- E. Resume of recommendations
- F. CV Ir. Arifin Lambaga, Chairperson of ICS National Leadership Council 2020-2025
- G. Photos of Activities

**Bogor, 17 Maret 2020**

Chairperson of ICS  
National Leadership Council 2015-2020



H. Suharyo Husen, BSc, SE, MBA.

General Secretary of ICS  
National Leadership Council 2015-2020

A handwritten signature in black ink that reads 'mulyama'.

Dr. Ima Mulyama Zainuddin