



# PROVINCIAL SITUATION REPORT

**Volume 24 : As of 25 August 2020**

## Table of Contents

DISCLAIMER .....	2
ISSUE OF THE WEEK .....	3
POLICY INSIGHT .....	4
1. National Level .....	4
2. Provincial Level.....	5
FOOD SYSTEM.....	7
1. East Java .....	7
2. West Nusa Tenggara (NTB) .....	7
3. East Nusa Tenggara (NTT) .....	8
4. Papua.....	8
SECTOR'S ISSUE.....	9
1. East Java .....	9
2. Central Java.....	10
3. West Nusa Tenggara (NTB) .....	10
4. East Nusa Tenggara (NTT) .....	10
RURAL ECONOMY .....	12
1. Central Java.....	12
2. West Nusa Tenggara (NTB) .....	12
3. East Nusa Tenggara (NTT) .....	13
4. Papua.....	13
5. West Papua .....	13

---

## DISCLAIMER

---

PRISMA and Palladium attempt to verify the data and/or information in this report but, due to the rapid nature of the COVID-19 response, there may still be errors, inaccuracies, or omissions. Subsequently, PRISMA and Palladium assume no responsibility or liability for the content of this report.

---

## ISSUE OF THE WEEK

---



### **THE MINISTER OF AGRICULTURE VISIT AND AGRICULTURAL POTENTIALS IN NTB**

The Minister of Agriculture, Syahrul Yasin Limpo, visited NTB Province on 22-23 August 2020. Accompanied by the Governor of West Nusa Tenggara, Zulkieflimansyah, and the Head of Lombok Tengah District, Moh. Suhaili Fadhil Thohir, the Minister attended a series of events centred in Lombok Tengah District.

On the first day of his visit, the Minister attended the artificial insemination (IB) calf harvest of the Sapi Kerbau Komoditas Andalan Negeri (Sikomandan) program in Barabali Village, Batukliang District, Lombok Tengah District in order to accelerate beef self-sufficiency. The Minister provided assistance for the livestock sector in NTB of Rp 10.85 billion; specifically for Lombok Timur District of Rp 1.79 billion. The assistance was in the form of 10 thousand ducklings, 140 beef cattle, 225 goats, 4,000 local chickens, and 126,993 acceptors to optimize reproduction. On the same occasion, the MoA also launched 1,000 cattle villages program, where each village will receive 200 cattle.

In front of the Minister, the University of Mataram conveyed the success of developing cattle with superior varieties that were much better, in collaboration with Massey University New Zealand. The variety of cattle developed is the “Balinese Cattle” which is formulated into the “NTB Bali Special Cattle” variety with feed modification, maintenance, and others so that it is different from the Balinese breed in general.

During his working visit, the Minister also handed over assistance worth Rp120 billion to strengthen agriculture in NTB as one of the national food barns. With this assistance, it is hoped that later a demonstration plot and agricultural infrastructure can be built. The MoA and NTB Provincial Governments also signed a memorandum of understanding with partners to support the success of the program in order to increase productivity, ensure supply chains, and food security. The Governor of NTB said that, since 2019, NTB had launched industrialization in the agricultural sector by prioritizing environmental sustainability.

---

## POLICY INSIGHT

---



### 1. National Level

- The Finance Ministry has begun to transfer Rp 66.5 trillion of cash to 15.7 million workers and 12 million small business owners on Monday (24/8), marking a rare occasion in which the administration was moving ahead of schedule in spending the government's economic stimulus package. "The Manpower Ministry had issued a ministerial decree and [the budget implementation list] so starting today, Aug 24, the first stage of the transfer can be disbursed," Finance Minister Sri Mulyani Indrawati told the House of Representatives. Erick Thohir, the chief executive of Covid-19 Handling and National Economic Recovery Committee, said at that time that the government expected to roll out the program in September. <https://bit.ly/2Eh5Efw>
- President Jokowi launched a grant program for 12 million micro and small business owners across Indonesia on 24 August 2020. The government earmarked Rp 28.8 trillion for the program. Under the program, dubbed as the Presidential Grant, the business owners would get one-off payment Rp 2.4 million from the government with no string attached. Jokowi said a million business owners would receive the fund by 25 August, while 11 million others should expect to receive the funds in stages by the end of September. <https://bit.ly/2Eh5Efw>
- Handling stunting in Indonesia is a national priority. Head of the Agricultural Research and Development Agency (Balitbangtan) Fadjry Djufray said that people consume rice without paying attention to Zn nutrition. Thus, Balitbangtan has produced a new superior variety (VUB) of Inpari IR Nutri Zinc biofortification rice, which has a Zn content 6% higher than Ciharang. Biofortification in Inpari IR Nutri Zinc is expected to help increase nutritional value as well as overcome nutritional deficiencies. After being released in 2019, the Inpari IR Nutri Zinc rice variety as functional rice to prevent stunting has spread across Indonesia", he explained. President Joko Widodo hoped that the stunting growth rate in Indonesia could fall by 14%. <https://bit.ly/32kkutu>

- Indonesia's agricultural productivity and production are still not maximized to meet domestic food needs. FAO data shows Indonesia's rice production is still inferior to Vietnam. Indonesia's rice production costs are 2.5 times more expensive than in Vietnam. The self-sufficiency policy, which is expected to protect and encourage domestic production, has not shown results. Domestic production, both national and community-based local food production, must be addressed seriously. Head of Research Center for Indonesian Policy Studies (CIPS) Felippa Ann Amanta said, improving the food trade system can also support Indonesia's agricultural exports. <https://bit.ly/3jcJQQR>

## 2. Provincial Level

- **Central Java:** To increase agricultural productivity and economic recovery amid the COVID-19 pandemic, the Karanganyar District Government has disbursed grants of Rp 585 million to 16 farmer groups in the area. The assistance can be used to cultivate mushrooms, ginger, herb plants, procuring citrus seeds, cultivating horticulture, providing agricultural facilities, cultivating chillies, and casting farm roads. Also, grants can be given for the construction of deep wells and the purchase of agricultural equipment. <https://bit.ly/3l9lzwZ>
- **Central Java:** The Mayor of Semarang continues to strive to improve food security amidst the pressure of the COVID-19 pandemic. One of his attention is aiming for food availability for the community. Through urban farming, the community is expected to be able to produce food availability for their families. Indirectly, it can support food security and ultimately be able to realize national food sovereignty. The Head of the Semarang City Agriculture Office said that since its launching, the public interest in implementing urban farming has increased. In Semarang City, to date, there are 110 urban farming groups spread across 16 sub-districts. <https://bit.ly/3jgXbYB>
- **NTB:** The NTB COVID-19 Handling Acceleration Task Force announced that Mataram City and Lombok Barat District (Lobar) had left the "red zone" of COVID-19, on Thursday, 20 August 2020. Despite 24 new positive cases, there was a sharp spike in recovered patients on the same day as many as 110 people. <https://bit.ly/3gqTE89>
- **NTB:** The Minister of Agriculture is determined to achieve meat self-sufficiency so that domestic consumption can be fulfilled without importing from other countries. According to the minister, NTB is one of the locomotives of Indonesian cattle cultivation, so that livestock in NTB must move stronger to provide national meat independently. Currently, Indonesia still imports 280 thousand tons or 1.2 million head of cattle per year. Therefore, the Governor of NTB must strengthen NTB agriculture and livestock. The central government is preparing a program called "1,000 Cattle Villages", to provide 200 cattle assistance for one village. <https://bit.ly/3l9RjC9>
- **NTB:** The Ministry of Agriculture aided with 1,500 early-time hybrid coconut seeds, called midget coconut for coconut development in NTB province. Head of the NTB Province Agriculture and Plantation Office, Husnul Fauzi, said that Prospective Land Farmers Candidates (CPCL) are ready in Lombok Utara and Lombok Timur. Early hybrid coconut is a type of superior coconut with a short, dwarf character. Sometimes it is called a mini coconut because it is about 3-4 meters high. This coconut will bear fruit faster than the local coconut. <https://bit.ly/2Eg6ysJ>
- **NTB:** Minister of Agriculture, together with the NTB Governor and the Head of Lombok Tengah District, attended the main harvest in Aikmual Village, Praya, Lombok Tengah District. In this activity, Syahrul provided infrastructure and production facilities for farmers worth Rp 120 billion. The MoA and local governments in NTB also signed a memorandum of understanding with partners to support programs' success to increase productivity and ensure supply chains and food security. Agriculture in NTB is already on the right track. Therefore, the MoA is ready to be part of guarding the progress of NTB agriculture. Furthermore, the MoA explained that NTB has various strategic commodities that support national food security, such as maize, garlic, shallot, and cattle. <https://bit.ly/2FNpvhO>

- **NTT:** The NTT Provincial Government has applied for a regional loan worth Rp 1.5 trillion to PT Sarana Multi Infrastruktur (SMI) to build a number of development sectors. According to the vice governor of NTT, Josef Nae Soi, six sectors will be funded with this loan, namely road infrastructure, fisheries development, livestock, agriculture, forestry, and the cultivation of the porang commodity. He explained, PT SMI had approved a loan of Rp 189.7 billion in the first phase. The provincial government needed this loan to boost various development sectors because it could not only depend on transfer funds from the national government in the form of a Special Allocation Fund (DAK) or a General Allocation Fund (DAU). For example, for the road infrastructure sector alone, there are about 2,600 kilometers of roads, most of which are heavy or light. Not to mention the need for other infrastructure development such as water facilities, agricultural development, livestock, fisheries, and marine. <https://bit.ly/2CZqWxu>
- **Papua:** The Indonesian Employers' Association (Apindo) asked the government to provide specific support for Papua's economic recovery amid the COVID-19 pandemic pressure. The province's economy has lagged even before the pandemic hit Indonesia, and it is feared that it will be left behind due to the pandemic. Coordinating Minister for Economic Affairs, Airlangga Hartarto said the government certainly wants to provide support to the Papuan economy. However, this support cannot be given only to one region. <https://bit.ly/2Eykvbz>
- **Papua:** Towards the implementation of the new normal adaptation in September, Deputy Mayor of Jayapura, Rustan Saru, hopes that the economy in Jayapura City can revive. This is because since the pandemic's existence in the past six months, many policies have been taken, such as closing business places and impacting the economy. <https://bit.ly/3jhsSkx>

---

# FOOD SYSTEM

---

*Impact at food supply continuity; food price; etc*



## 1. East Java

- East Java Government's Lumbung Pangan market will not close its business activities to provide low-priced food commodities to East Javanese communities, after 21 of its staff (those who manage online orders using WhatsApp) are infected by COVID 19. By the time being, Lumbung Pangan will still accept offline and website-based shopping and expect to get their WA-based transaction service on board again started from the last week of August 2020. <https://bit.ly/32ksoDa>; <https://bitly.co/3BoU>

## 2. West Nusa Tenggara (NTB)

- Water availability in two large dams in Sumbawa District, namely Batu Bulan and Mamak, is still above the minimum elevation. However, in the last two months, the water discharge has decreased. Based on data from the Water Resources Management Office (PSDA) of the Sumbawa Island River Basin, the NTB Provincial PUPR Office, the available water discharge in the Batu Bulan Dam is at an elevation of 57.78 meters. While the minimum limit is 52 meters. At the same time, the Mamak Dam is at an elevation of 82.91 meters, with a minimum limit of 75 meters. The previous data last June shows that the availability of water in Batu Bulan is at 58.88 m, and Mamak is at 88.50 m. <https://bit.ly/2Er6Psy>
- Drought disasters and clean water crisis began to threaten parts of Lombok Timur District. This is because the district, located at the eastern tip of Lombok Island, has the status of "Drought Emergency Preparedness". 183,411 people from 14 sub-districts are threatened with drought. Head of Emergency and Logistics Affairs of Lotim BPBD, Lalu Rusnan, said that based on the NTB drought emergency alert data as of 18 August 2020, the affected areas were spread across 9 districts/cities, 75 sub-districts, 345 villages, 199,294 families and 705,691 inhabitants. Of these, 14 sub-districts are contributed by Lotim District, in 74 villages, 61,417 families, and 183,411 people. <https://bit.ly/3gqDFqw>

- The Masbagik livestock market daily opening in the Lombok Timur District is considered not very effective. According to the Head of the market, Ismail, despite opening a daily livestock market service, it turns out that breeders are mostly coming to the market on “market days”, which is three times a week (Monday, Wednesday and Friday). The habits of livestock traders are not the same as the vegetable traders in traditional markets who sell their products every day. <https://bit.ly/2EmQ6qs>

### 3. East Nusa Tenggara (NTT)

- The Mbongawani Ende market is still empty of buyers. Traders who sell necessities such as rice, vegetables, fruit, and sweet potatoes have complained about this. Many stalls and kiosks are still empty or closed by the owners. According to traders, the lack of buyers in the market is due to the market buildings' condition and its layout that makes it difficult for buyers to shop, which discourages buyers from coming to the market. Several traders admitted that they had lost money since trading in the newly built market. <https://bit.ly/3gpkMnZ>
- To strengthen food security and the community's economy amid the COVID-19 pandemic, the Sikka District government is actively campaigning the gardening and planting movement in the dry season with horticultural crops, as well as the application of drip irrigation concept. The Head of Sikka District, Robby Idong, said that agricultural development with the concept of dryland farming is very suitable for the soil conditions in the area. Thus, government officials from related offices, including extension agents, sub-district heads, and village heads, are always asked to be in the field. <https://bit.ly/32oZwcU>

### 4. Papua

- Several grocery sellers at Hamadi Market, Jayapura City, and Papua still lack buyers ahead of the new normal implementation. "It's not stable yet; there are still few buyers. Suppose Saturday and Sunday are still quite busy. Monday to Friday, there are very few buyers," said Rahman, the grocery store owner. According to Rahman, the COVID-19 pandemic has had a significant impact on the food sector. <https://bit.ly/3hq71Xy>
- The food supply in Papua is threatened by deforestation. For example, in Merauke, the Marind Anim tribe still depends on the forest as a source of food such as sago. This is the finding of the dissertation of Australian anthropologist Sophie Chao in 2019, especially in southern Papua, starting from the Muli Strait (Marianne Strait), the Buraka River watershed, Bian, Eli, Kumbe, and Maro, to the border of Papua New Guinea. Among the causes of deforestation are oil palm plantation activities and pollution due to industrial activities. <https://bit.ly/2Qt7mwt>

---

## SECTOR'S ISSUE

---

*Specific issues related to the agricultural sectors PRISMA works in.*



### 1. East Java

- **Irrigation:** Following a virtual coordination meeting result between CV Rong Cuyu (RCY), BAPPEDA, District Agriculture Office, and District Public Work & Water Resource (PU-SDA) of Sumenep and PRISMA, RCY will display the accuracy of its precision underground water detection technology to PU-SDA in Sumenep on 25 August 2020. The trial will help the local government make the necessary decision related to the underground water sources mapping plan in the remaining year of 2020 and underground water drilling in 2021, in collaboration with CV. Rong Cuyu and PRISMA.
- **Mechanisation:** Farida Hayati, a member of the national parliament, handed over 20 units of 2-wheel tractors and two rotary tractors to 22 farmer groups in Tuban, through Tuban District Agriculture Office on 19 August 2020. The farmer groups are from Senori, Bangilan, Rengel, Soko, Kenduruan, Singgahan, Merakurak, Montong, Jenu, Jatirogo, Parengan, Grabagan, Widang, and Kerek Subdistricts. She said that the tractors do not belong to any individual but the farmer groups. Therefore, it's up to every farmer group to develop procedures and manage the tractor use, including renting it. <https://bit.ly/2YyZhuN>
- **Mechanisation:** Head of Shallot Farmers Association of Nganjuk, Mr Akad, informs that shallot farmers in the district are still waiting for the government's mechanization support. Due to no support from the government, shallot farmers need to find solutions through innovations using their resources, (i.e., creating water spraying tool for shallot crop). <https://bit.ly/2FVVktN>

## 2. Central Java

- **Irrigation:** This year's dry season has reduced the Krisak reservoir's water in Pare Village, Selogiri, Wonogiri District. Some of the surfaces of the reservoir dry up and becomes grassland. In the last two years, the grasslands that appear have grown wider because the area cannot be used for growing crops. When the dry season arrives, and the reservoir dries up, several wells have reappeared. At least, there are two existing wells used by farmers to water their plants during the dry season. <https://bit.ly/3aQthaw>
- **Irrigation:** Amid APBN financial intricacies, the construction of the irrigation network for the Tingal Dam irrigation system in Temanggung District will continue this year. The construction of this dam started in 2018. The construction in Geblog Village, Kaloran, will later be able to irrigate 1,050 hectares of rice fields in 13 villages in Kranggan and Kaloran sub-districts. It was completed with multi-year budgeting until 2023 and the work for 2020, amounting to Rp 19 billion to build a primary and secondary network of 1,300 meters <https://bit.ly/3j8g5AE>

## 3. West Nusa Tenggara (NTB)

- **Beef:** The Minister of Agriculture harvested artificial insemination (IB) calves in Barabali Village, Batukliang sub-district, Kabupaten Lombok Tengah, NTB, on Saturday, 22/8/2020. The harvest of 1000 calves are an effort to excite breeders and stakeholders to continue to work together to build advanced, independent, and modern livestock so that meat self-sufficiency can be realized. The Minister was accompanied by the Governor of NTB and the Regent of Lombok Tengah, emphasized that his party is determined to achieve the advancement of Indonesian livestock, especially meat self-sufficiency in Lombok Tengah, NTB. <https://bit.ly/3lhri3S>
- **Beef:** NTB Province has succeeded in developing cattle with superior varieties that are much better than the original varieties. This development was carried out by the University of Mataram in collaboration with Massey University New Zealand. The variety of cattle developed is the "Balinese Cattle" which is formulated into the "NTB Bali Special Cattle" variety with feed modification, maintenance, and others. It is different from the Balinese breed in general. <https://bit.ly/2YvPaXs>
- **Irrigation:** Several irrigation area farmers in Lombok Tengah District, NTB, attended the Field School (SL) in Jelantik Village, Jonggat sub-district. SL's objective in the 12 meetings from August to November 2020 is to support food security from corn. SL III activities facilitated by the Integrated Participatory Development and Management of Irrigation Project (IPDMIP) took place on the farmer group's land Poktan "Tongkak Onyak" during the dry season. The number of IPDMIP SL III participants was 25 farmers consisting of 15 men and ten women. Yulia Tri Sedyowati, the instructor from the MoA, as well as the companion to NTB agricultural extension activities, said that the SL materials were provided by extension agents from the Jonggat Agricultural Extension Center (BPP), carrying the spirit of the Strategic Agricultural Development Command Movement (KostraTani). <https://bit.ly/3aUqQne>

## 4. East Nusa Tenggara (NTT)

- **Rice & Finance:** Several rice farmers in Mbay, Nagekeo District, collaborated with the Mbay Branch of the NTT Bank and UD Alansamat to assist in their rice cultivation. It aims to support the Nagekeo District Government Program in empowering Mbay irrigation farmers to increase farmer productivity. The cooperation is the provision of business capital for rice farmers in Aeramo, Aesesa Sub-District. This is because business capital for small farmers has always been an obstacle in running their farming business, especially in the midst of the COVID-19 pandemic, where there are farmers who are caught in debt from loan sharks or from collecting traders. Farmers' paddy fields in Aeramo area are around 500 ha, and about 75% of this land is currently being cultivated, with yields averaging over four tons per hectare. <https://bit.ly/3aRRNrD>

- **Mechanisation:** The MoA is again assisting with two four-wheeled tractors to the Kupang District Government to be distributed to proposing farmer groups in the area. The agricultural equipment assistance will be used for dryland development. The characteristics of most of the land in NTT are hard and rocky, so farmers find it difficult if they only use human labor or conventional farming tools. Therefore, this tractor assistance is very helpful for farmers to open and cultivate the land. The same assistance will also be provided to farmers in Belu, Southwest Sumba, and Sumba Timur Districts. <https://bit.ly/32lyVgT>
- **Pig:** The number of pigs that died in the Manggarai Timur District in August 2020 has reached 251 heads. Therefore, the District Livestock Office appealed to pig owners to immediately contact the service via WhatsApp messages in the event of the death of their pigs. That way, the officer will go directly to the location to spray disinfectant on the pigpen, to prevent more pigs from dying. The number of dead pigs was the accumulation of Kota Komba, Borong, Rana Mese, Poco Ranaka, Poco Ranaka Timur, Elar, Elar Selatan, Lamba Leda, and Sambu Rampas Sub-Districts. <https://bit.ly/3lfHbYD>

---

## RURAL ECONOMY

---

*Impact at rural area such as continuity of farmers' production; agriculture inputs availability; labour availability at rural area; market access; etc*



### 1. Central Java

- Urutsewu Village, Ampel, Boyolali District is one of the Energy Independent Villages. In that village, cattle and chicken manure is converted into biogas, which is used as a cooking fuel to replace LPG and electricity. Biogas comes from cattle and chicken farms, such as those in Dusun Jetak and Dusun Gilingan. In Dusun Jetak, one of which is in Sutarjo's cattle farm, the Sumber Makmur Farmer Group management has managed to process his cattle dung. Rizki Emil Abdilah, a chicken farmer in the village, did another creative energy independent thing. He managed to use his chicken manure as alternative energy. The biogas produced is used to power corn grinders and stoves in his house. <https://bit.ly/2YwN3mj>

### 2. West Nusa Tenggara (NTB)

- To celebrate the 75th Indonesian Independence Day, as well as being part of the revival of "Bumi Gora Industrialization", the NTB Education and Culture Office held an exhibition of vocational students' products. Two machines grab the attention; the machines are an animal feed chopper made by SMKN 2 students and a coconut shelling machine made by SMKN 1 Buer students from Sumbawa. <https://bit.ly/32BYn23>
- Residents of Dusun Bun Mudrak, Sukarara Village, Jonggat sub-District, Lombok Tengah District, have a series of innovations in economic development to welcome the Healthy Village Competition. They were starting from the food barn to the matter of energy security. For three years, Bun Mudrak hamlet was turned into a hamlet under the guidance of Bank Indonesia. It started in 2014-2016. Residents are nurtured and educated about the people's economy. The resulting innovation was used as an example for other hamlets. The innovation is that residents use biogas from their livestock to be used as sources of electricity and other energy sources to meet household needs

such as cooking. Then the waste is used by residents to make organic fertilizers. <https://bit.ly/2QoLbHP>

- Livestock urine has only been a useless waste. However, in the hands of the Tanak Mira "Ridho Ilahi" corporation, Wasanaba Lauq Village, Wanasaba sub-District, Lombok Timur District, the urine of the livestock is used as organic fertilizer. This fertilizer is called "BIORI," a liquid fertilizer processed from 80% cow urine, 20% goat urine, and mixed with probiotics. The head of the Ridho Ilahi Tanak Mira Corporation, Tarmizi, said that the liquid fertilizer from the urine of the livestock was fermented for 30 days. The 1-kilogram probiotic mixture can be produced into 1,000 liters of biori. There are also other additional ingredients, namely molasses, as a compliment. <https://bit.ly/3hmoFeF>

### 3. East Nusa Tenggara (NTT)

- The NTT Provincial Government has separated agricultural land that has been cultivated by residents in five villages in the Besipae Forest area, Timor Tengah Selatan District, into the property of local residents. The five villages are Linamnutu, Enoneten, Polo, Mio, and Oe'Ekam. This way was taken as an effort by the NTT Provincial Government to regulate the Besipae Forest area after resolving conflicts related to land ownership between the NTT Provincial Government and Pububu residents in the Besipae area. The land conflict has been resolved amicably through the signing of an agreement between the NTT Provincial Government and three traditional leaders in Besipae. The results have been socialized to 37 heads of families who were previously evicted on Saturday, August 22. <https://bit.ly/3ggHVWY>
- Almost all villages in Pandawai Sub-District, Sumba Timur District, are experiencing drought. As a result of this drought, people in several villages have experienced difficulties in getting water. Similar drought conditions also occurred in Lewa Tidahu Sub-District, especially in Laihau Village and Bidi Praing Village. The most visible drought is in the desert area. Therefore, people are advised to maintain the surrounding environment by not burning the fields. <https://bit.ly/34nVLqW>

### 4. Papua

- The Marind tribe in Kaliki Village, Merauke grows sago on peatlands by applying traditional practices. From this activity, the Marind people are able to produce an average of 113 to 158 kg of sago per stem. Sago plants can produce a harvest of 7 to 11 tons per hectare at their productive age, with a selling price of IDR 50,000-IDR 150,000 per kilogram. However, this activity has been hampered by the increasing number of changes in peatlands' function into concession permits, or incidents of peatland fires. <https://bit.ly/2Qk4NNt>
- The Papua Provincial Agriculture and Food Office visited Balai BBPP Batu to discuss the potential collaboration of education personnel for the Papua Regional Agricultural Development School (SPP). The office head said that his party expects support from the BBPP Batu regarding the school's teaching staff. He asked for the support of learning designs that are following the current conditions, namely the learning model directed to the applied with material that focused on beef cattle, poultry, and rabbits. Also, which is no less important is material on how to provide awareness to farmers about the benefits of Artificial Insemination, as well as local livestock that is in accordance with local culture (Pig cultivation). <https://bit.ly/2YxsMNB>

### 5. West Papua

- The Faculty of Animal Husbandry (Fapet), University of Papua Manokwari, West Papua, implemented a community service program in 2020. This year's community service program focuses on three activities: providing goat feed, providing fertiliser, and improving the reproduction of goats. The coordinator of the community service team, Evi Waringtan Saragih, said that the provision of fertilizer is one of the programs that have been implemented, namely the manufacture of Liquid Organic Fertilizer (POC) using practical natural materials available in the surrounding environment. <https://bit.ly/2QoKlp3>