



Jalatista Unpad



KEMENTERIAN RISET, TEKNOLOGI DAN PENDIDIKAN TINGGI
UNIVERSITAS PADJADJARAN
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Nomor : 4197/UN6.2.3/TU/2019
 Lampiran : -
 Perihal : Surat Edaran Air Jalatista

13 Agustus 2019

Yth.

1. Para Dekan Fakultas / Sekolah Pascasarjana
2. Para Direktur
3. Para Kepala Satuan
4. Para Kepala Kantor

Di Lingkungan Universitas Padjadjaran

Dalam upaya untuk meminimalisir penggunaan kemasan air minum berbahan plastik dan menjadikan Universitas Padjadjaran menjadi Kampus Ramah Lingkungan serta dalam rangka dimulainya tahun akademik baru. Dengan ini kami sampaikan bahwa pengolahan air minum mandiri Jalatista akan kami operasikan terhitung tanggal 19 Agustus 2019.

Demikian surat edaran ini kami sampaikan. Atas perhatian dan kerjasamanya, kami ucapkan terimakasih.



Direktur Sarana dan Prasarana,

Edward Henry
 NID. 1965010232002121001

Tembusan Yth :

1. Pti. Rektor Unpad sebagai laporan;
2. Para Wakil Rektor Unpad;
3. Para Wakil Dekan Fakultas / Sekolah Pascasarjana Unpad;
4. Para Sekretaris Direktorat Unpad;
5. Para Wakil Kepala Satuan Unpad;
6. Para Manajer Sumber Daya Unpad.

Circular letter of the Director of Facilities and Infrastructure UNPAD Pertain to Jalatista

The usage of recycled water at the Unpad Jatiningor Campus includes four activities that have been carried out, which are:

1. Jalatista UNPAD

Jalatista UNPAD is a drinking water supply program that is processed independently to fulfill the drinking water needs of the UNPAD academic communities and reduce the usage of plastic drink packaging waste. This program has been implemented since August 2019 based on a circular letter from the Director of Facilities and Infrastructure UNPAD.

Jalatista drinking water proceeds from freshwater that are treated using Reverse Osmosis technology. Currently available at 11 points locations in the UNPAD Jatiningor Campus consist of 10 open area points (outdoor) and one indoor point (indoor). Outdoor Jalatista can be found in the Rectorate Building, Bale Santika, Unpad Grand Mosque, GOR Jati Padjadjaran, and several faculties within UNPAD.



2. Utilization of Water from Rainwater Harvesting System from the Roofs of Buildings

In the rainwater harvesting system from the roof of the greenhouse, the accumulated rainwater is utilized as a source of irrigation water to cultivate vegetables, cherry tomatoes, and melons, as shown in Figure 4. The system built can accommodate as much as 21 m³ of rainwater used to supply irrigation water demands throughout the year.

3. Utilization of Water from Surface Runoff Harvesting System for Irrigation and Fisheries

In addition to harvesting rainwater from the roofs of buildings, efforts to harvest surface runoff water from the land surface can also be managed as a source of irrigation water during the dry season or during periods of deficit. Surface runoff water can be harvested from direct runoff that occurs during rain (Figure 5) or in the form of a diversion system from natural flows accommodated in agricultural/fishing ponds that also function as retention ponds or infiltration ponds (Figure 6). The total area of the pool in the UNPAD Jatiningor campus area is approximately 1.1 ha spread over

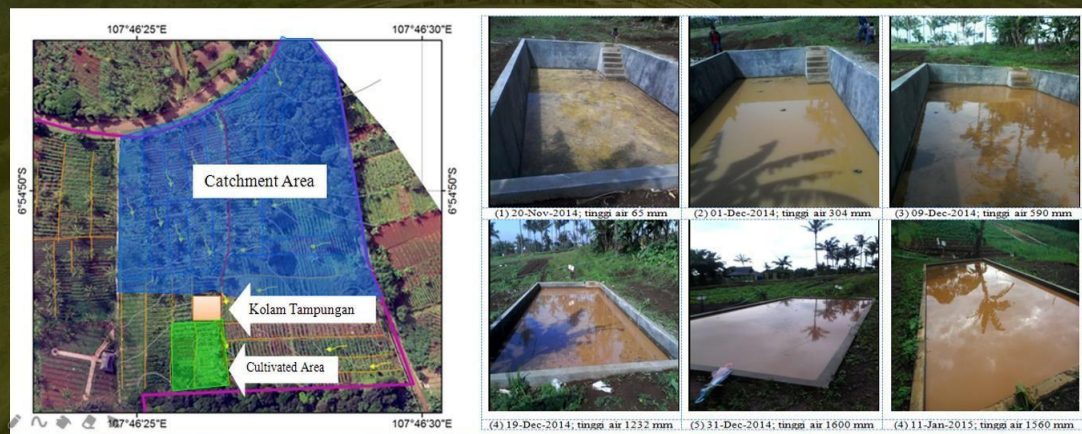
several places at least able to accommodate more than 15000 m³ of water which is also utilized as irrigation water during the dry season.

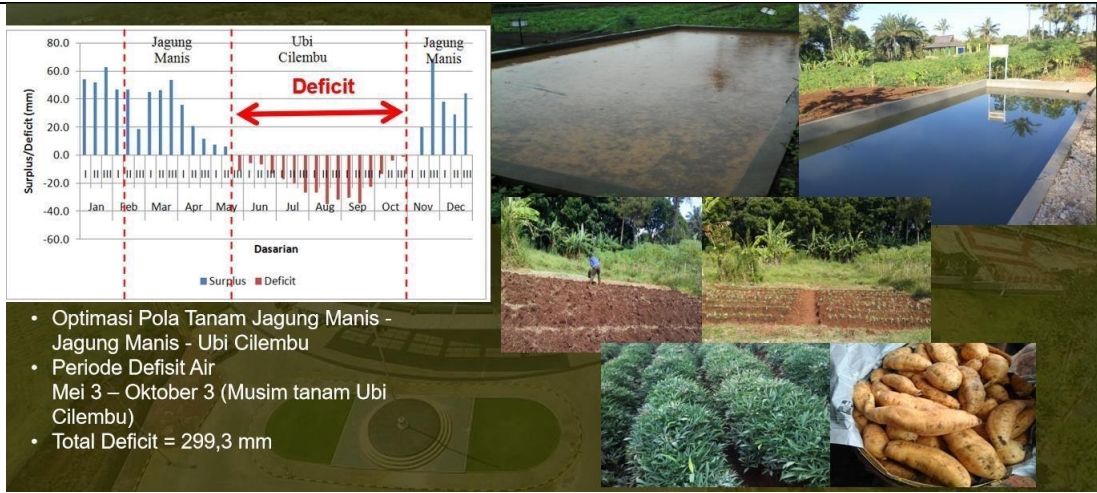


Surface runoff harvesting pond in the UNPAD area which performs as a retention pond and reservoir for irrigation water during the dry season

SISTEM PEMANENAN AIR LIMPASAN: Macrocatchment System - UNPAD

PEMANENAN RUNOFF (SISTEM PEMANENAN LIMPASAN LANGSUNG)

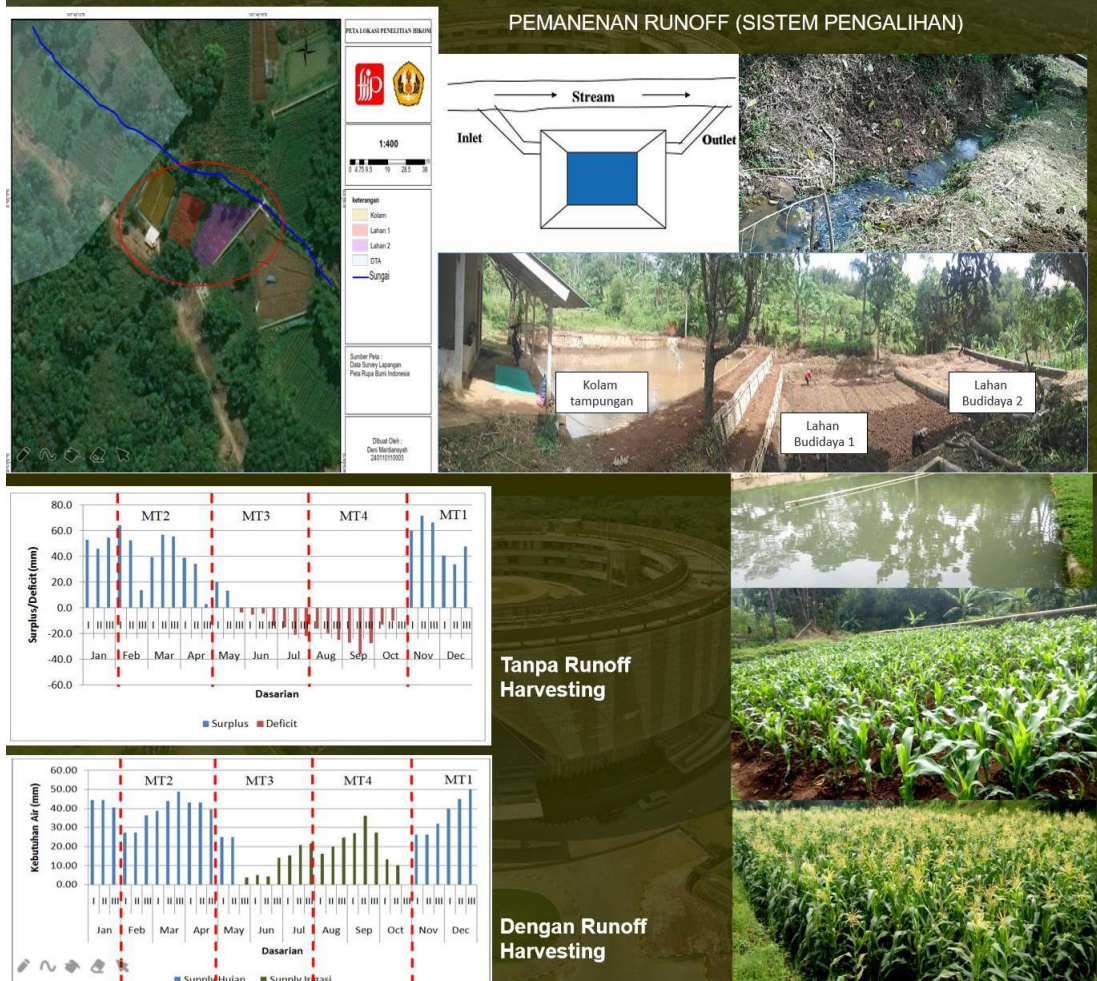




- Optimasi Pola Tanam Jagung Manis - Jagung Manis - Ubi Cilembu
- Periode Defisit Air Mei – Oktober 3 (Musim tanam Ubi Cilembu)
- Total Deficit = 299,3 mm

Runoff water harvesting system directly from the land surface for irrigation water sources in the dry season

SISTEM PEMANENAN AIR LIMPASAN: Macrocatchment System - UNPAD



Harvesting Surface Runoff Water by diverting it from natural watercourses and storing it in agricultural ponds for irrigation in the dry season

4. Utilization of Water from Arboretum UNPAD Check Dam for Irrigating Gardens and Experimental Gardens

Aside from being a catchment area, the Arboretum UNPAD check dam has functioned as a source of irrigation water for gardens and experimental gardens during the dry season.



Irigasi Taman Unpad



Cekdam Arboretum



Kebun Percobaan Unpad