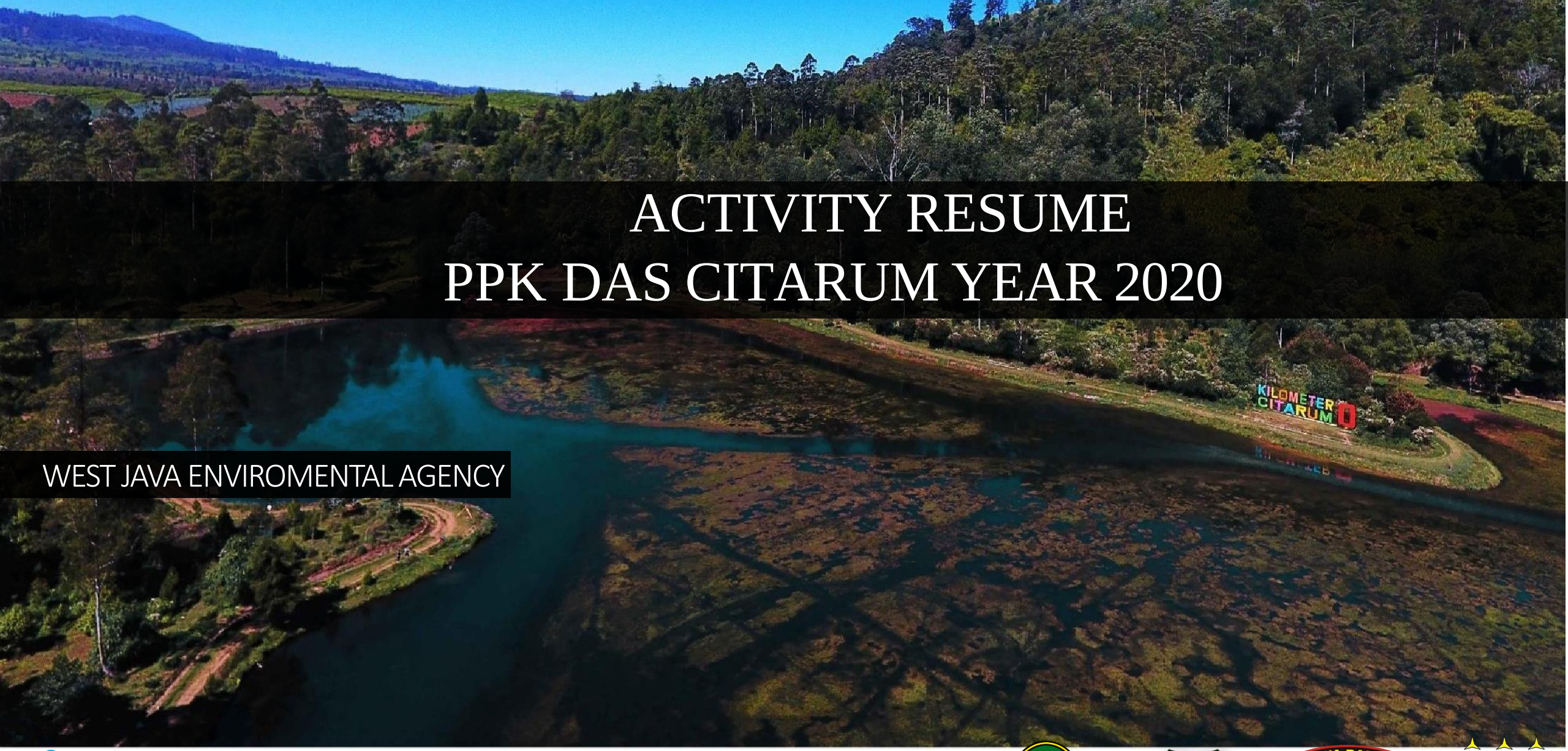


ACTIVITY RESUME
PPK DAS CITARUM YEAR 2020

WEST JAVA ENVIROMENTAL AGENCY

Citarum Harum Juara

Situ Cisanti

CITARUM RIVER PROBLEMS

Pollution source

Poultry
Farming
Industry
Domestic
Fisheries
(Keramba Jaring Apung)
Solid waste
Sedimentation

Damage

Critical areas
Land use change
Land.Subsidence
Flood

Leak

Law enforcement
Education
Integrated waste water treatment facilites
Solid waste treatment facilities
Water resource facilities

Citarum River Recovery

Coordination many stakeholders :

1. ARMY
2. Relevant agency
3. Local goverment
4. Central goverment
5. Society
6. Business site
7. Media

4. Action Plan Review PPK DAS Citarum

General Stages

Action Plan Review PPK DAS Citarum

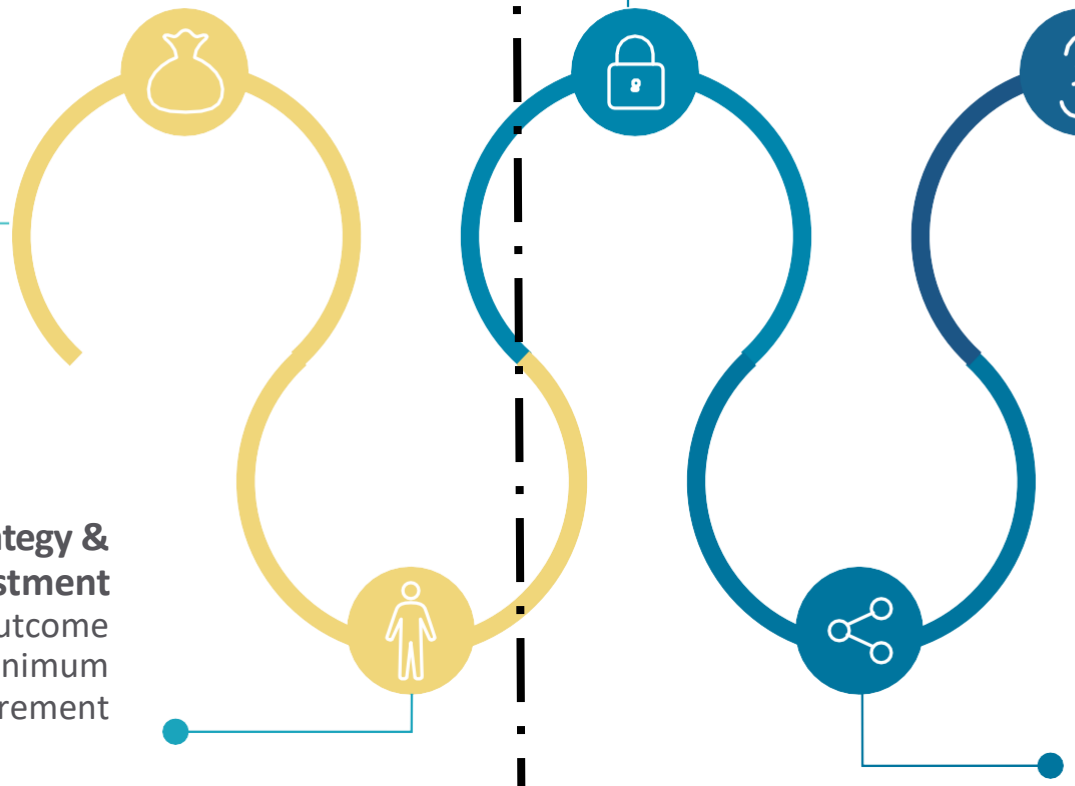
1. 2020-2021 activity & budget adjustment
+ Indicator & output target with minimum requirement

2. 2020-2021 strategy & program adjustment
+ Indicator & outcome target with minimum requirement

3. Background study
Literature review, Evaluation/ Gap Analysis, DTBP & Allocation of pollution load

4. Master design
Baseline & target setting, Determination of handling policy intervention

5. Thorough adjustment
Action plan policy framework



Short-term Revision
2020-2021 Plans

Ideal Revision
2021-2025 Plans

General Framework

Ideal Revision Action Plan PPK DAS Citarum (2021-2025 Plans)

1. Literature Review

- ICWRM document (Sub DAS approach)
- Capacity of pollution loads study (DTBP) & Allocation of pollution loads (SK 300/MenLHK/2017)
- Water resources management plan Citarum river (RPDAS Citarum)
- Background Study RPJMD 2018-2023

2. Evaluation/Gap Analysis

- Problems of each Sub DAS
- 2019/2020 action plan and realization & 2021-2025 plans
- DTBP & Allocation of pollution loads for each Sub DAS

Background Study

3. Policy/Program/Activity Making

- **Baseline, Target Ultimate Goal, & Outcome Program Setting**
- Determination of handling policy intervention (analysis/Pressure-State-Response maping)

Grand Design

4. Policy/Program/Activity Adjustment

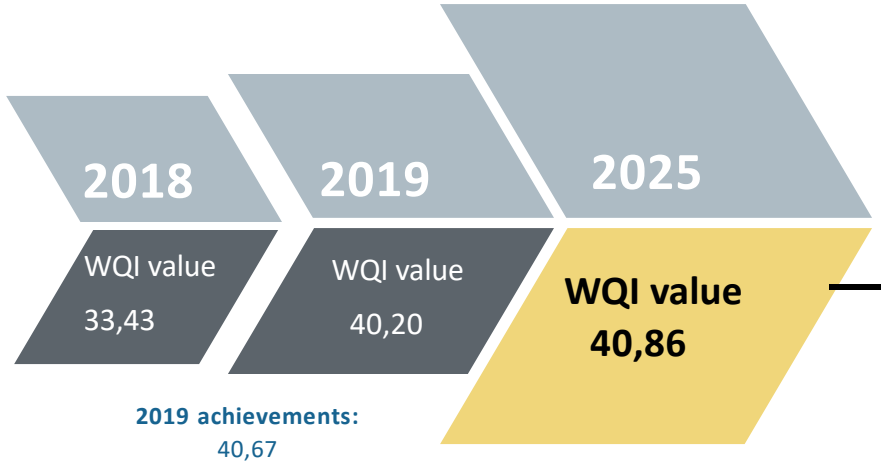
Vision, Mision, Purpose, Target, Ultimate Goal/Target, Policy Direction, Strategy, Program Indication, Indicator/Outcome Target, Activity Indication, Indicator/Output Target, Location, Funding Indication, Reporting, Monev

5. Pergub 28/2019 Revision

ULTIMATE GOAL

Ideal Revision Action Plan PPK DAS Citarum (2021-2025 Plans)

Pollution level decreasing of Citarum river



Ultimate Goal Adjustment based on Instructing Team Leader's Instruction (Menko Maritim and Investation)

Classification of Water Quality Class II (WQI 80)

SK.300/MenLHK/2017:
Capacity of water pollution loads study (DTBP) &
Allocation of Citarum river pollution loads

Not every segment of Citarum river can be targeted to fulfill classification of water quality class II

KLHK need to review:
Modeling of Water Pollution Load Capacity and Allocation of Water Pollution Load in Citarum River with Class II Water Quality Target Scenario

References:
Policy direction, strategy, and program indication
Action Plan Revision PPK DAS Citarum
with Class II Water Quality Target Scenario

5. 2021 Action Plan for PPK DAS Citarum River

2021 Activities Plan

Counterpart Action Plans and Indication of Allocation Plan 2021

The Total of Carry Over and GAP towards 2021 action plan is 4 billion IDR

2021 Funding Indication

(Rp Juta)

PROGRAM	2021 Action Plan	2021 Allocation	GAP with Action Plan	2020 Carry Over
Education	17.331	17.331	-	2.446
Public Relation	5.790	3.964	1.826	1.217
Tourism	99.100	99.100	-	16.912
Water Quality Monitoring	67.038	6.350	60.688	12.450
Domestic Water Waste Handling	344.189	344.189	-	58.088
Critical Land Handling	183.640	117.475	66.166	29.429
Industry Waste Handling	257.013	1.806	255.207	56.324
Livestock Waste Handling	15.947	325	15.622	1.907
Arrangement of floating net cages	136.646	160.044	- 23.397	19.415
Control and Utilization of Space	5.100	8.276	- 3.176	300
Law Enforcement	32.552	32.552	-	5.167
Waste Management	798.510	239.211	559.299	254.200
Management of Water Resources	1.182.908	1.072.708	110.200	488.726
Total	3.145.764	2.103.330	1.042.434	946.581

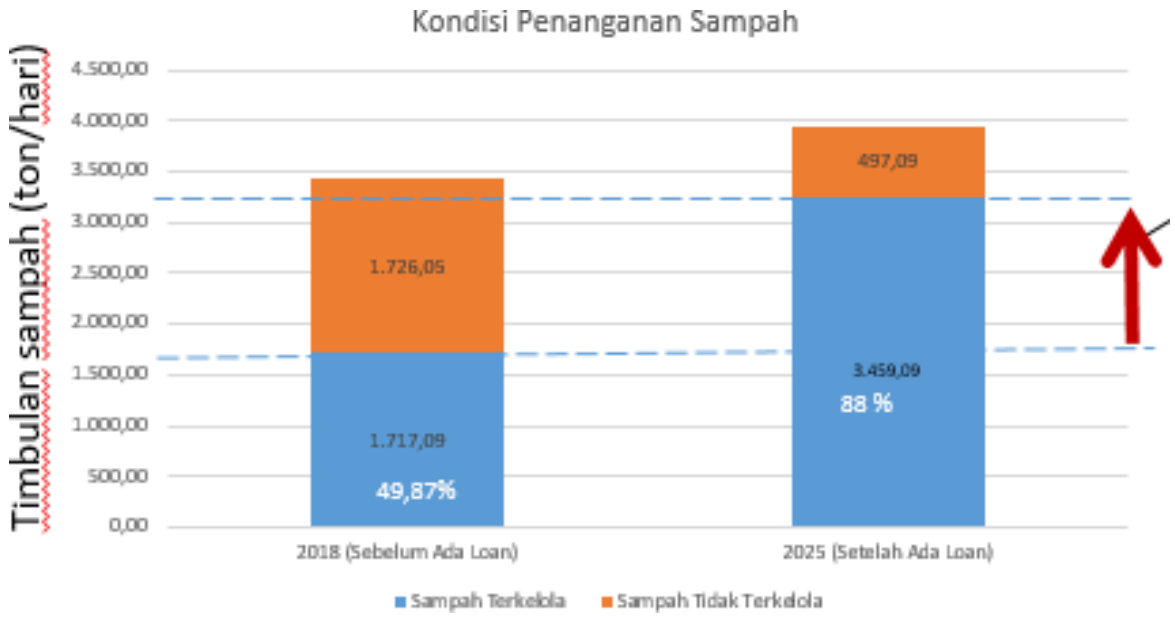
Notes:
2021 allocation for education program, Domestic Waste Handling, Law Enforcement and Tourism in the calculation so the Action Plan numbers are used

	Action Plan	2021 Allocation
Carry Over 2020	-	946,581
GAP w/ the action plan	-	1,042,434
BUMN	65,770	60,487
APBN	1,790,949	1,296,014
Province APBD	886,299	473,667
City APBD	401,651	273,161

(Rp Juta)

Waste Management in DAS Citarum

Existing and after the ISWMP Loan



- There is an **increase in waste handling capacity in DAS Citarum by 1742 tons/day** after a loan and TPPAS Legoknangka operate effectively
- **Increasing solid waste services to 88**% of the waste generation in 2025 of **3,956.18 tons/day**

3. Field Achievement

Sectoral Activity Progress PPK DAS Citarum in 2020

Critical Land Treatment

- Total trees planted in Critical Land Januari to June 12th 2020 : 1, 8 Million stems.
- The area of critical land planted Januari to June 12th 2020 : 1.117,34 Ha

Sedimentation Management

Sedimentation Handling (dredging) 2,167,658 M^3

Domestic Waste Management

- 3R TPS Box Making 16 Unit
- Providing Trash Bin 1.448 Unit
- Garbage transport 116.698 Ton
- Riverbank Cleaning 963 Unit

Industry Waste Handling

- Factories that Produces Waste: 514 Factories (63%)
- Industries that have been actedupon: 165 Factories (32%)
- Industries that doesn't have WWTP yet : 78 Factories (15%)
- Industries that has WWTP : 266 Factories (51%)

CHL Socialization

Conducting Socialization about CHL to the Community to Get Familiar with Healthy Lifestyle Behavior & Preventing the Spread of Covid-19

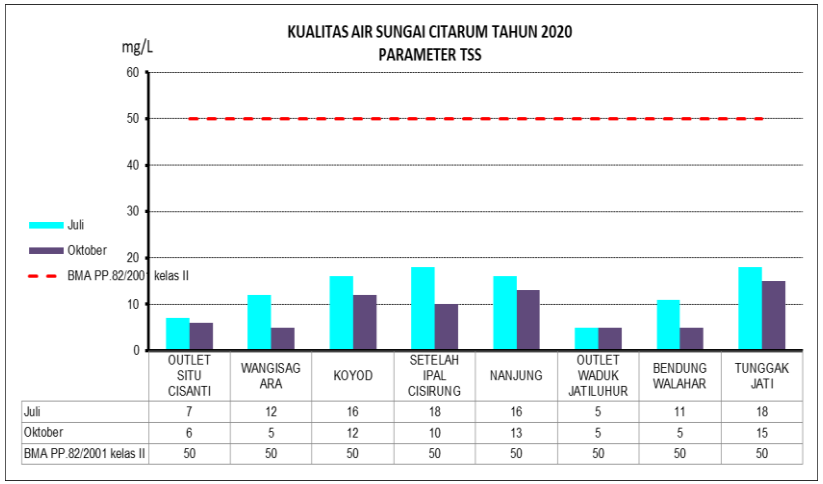
Arrangement of Floating Net Cages (FNC)

- Saguling Reservoir (FNC that has been managed 1.938 – 6%)
- Cirata Reservoir (FNC that has been managed 14.907 FNC – 19%)
- Jatilihur Reservoir (FNC that has been managed 430 FNC – 2%)

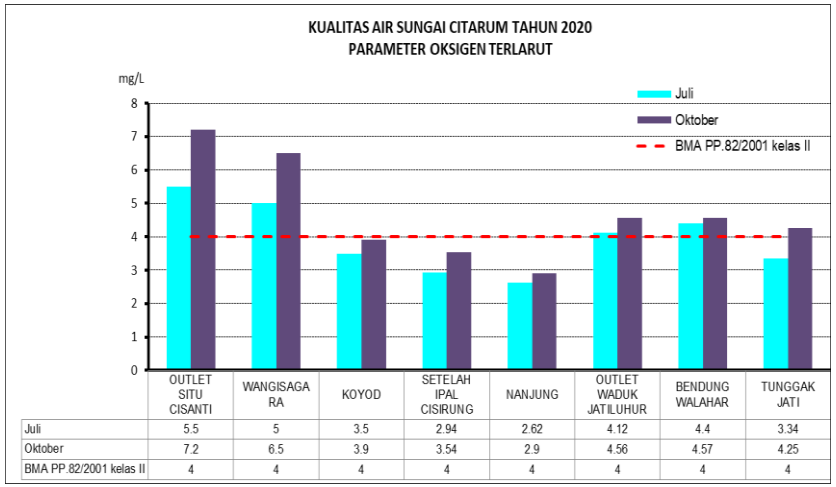
The activities of creative zone. (Bios-44 Development)

- Bios 44 is biological fertilizer (biofertilizer) which is formed from a combination of micro-organisms
- It will help improve the ecosystem in the DAS Citarum

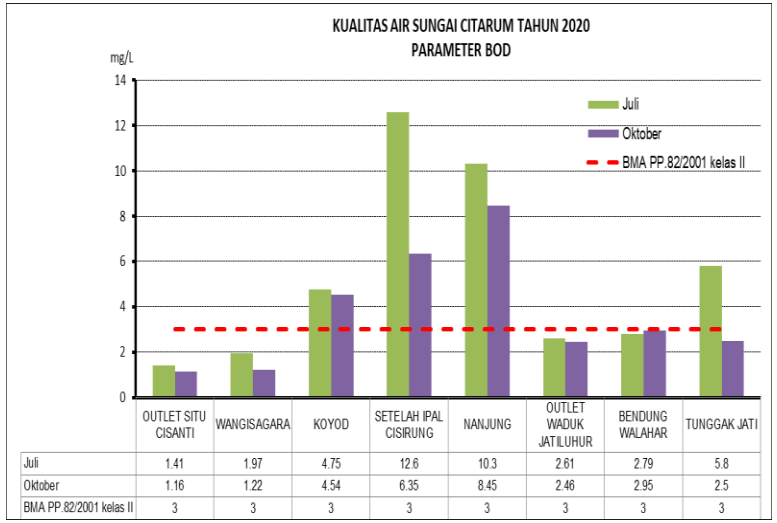
Water Quality Monitoring At Citarum (2020)



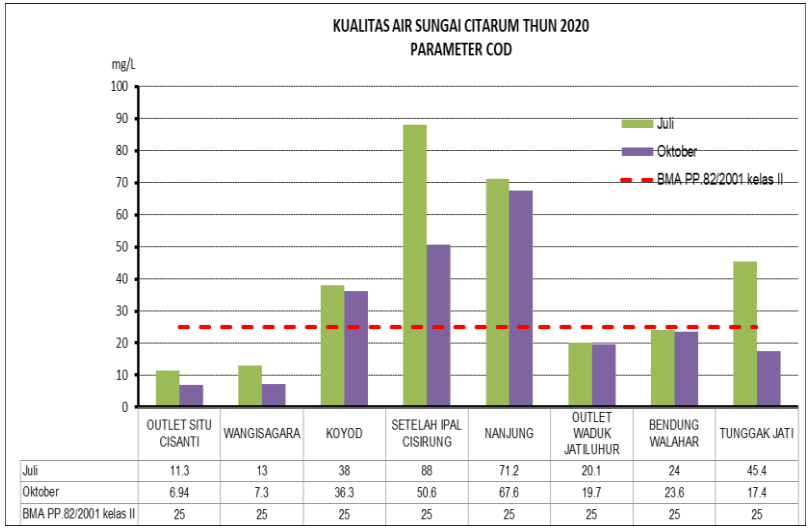
	OUTLET SITU CISANTI	WANGISAGARA	KOYOD	SETELAH IPAL CISIRUNG	NANJUNG	OUTLET WADUK JATILUHUR	BENDUNG WALAHAR	TUNGGAK JATI
Juli	7	12	16	18	16	5	11	18
Oktober	6	5	12	10	13	5	5	15
BMA PP.82/2001 kelas II	50	50	50	50	50	50	50	50



	OUTLET SITU CISANTI	WANGISAGARA	KOYOD	SETELAH IPAL CISIRUNG	NANJUNG	OUTLET WADUK JATILUHUR	BENDUNG WALAHAR	TUNGGAK JATI
Juli	5.5	5	3.5	2.94	2.62	4.12	4.4	3.34
Oktober	7.2	6.5	3.9	3.54	2.9	4.56	4.57	4.25
BMA PP.82/2001 kelas II	4	4	4	4	4	4	4	4



	OUTLET SITU CISANTI	WANGISAGARA	KOYOD	SETELAH IPAL CISIRUNG	NANJUNG	OUTLET WADUK JATILUHUR	BENDUNG WALAHAR	TUNGGAK JATI
Juli	1.41	1.97	4.75	12.6	10.3	2.61	2.79	5.8
Oktober	1.16	1.22	4.54	6.35	8.45	2.46	2.95	2.5
BMA PP.82/2001 kelas II	3	3	3	3	3	3	3	3



	OUTLET SITU CISANTI	WANGISAGARA	KOYOD	SETELAH IPAL CISIRUNG	NANJUNG	OUTLET WADUK JATILUHUR	BENDUNG WALAHAR	TUNGGAK JATI
Juli	11.3	13	38	88	71.2	20.1	24	45.4
Oktober	6.94	7.3	36.3	50.6	67.6	19.7	23.6	17.4
BMA PP.82/2001 kelas II	25	25	25	25	25	25	25	25

Online Monitoring Water Quality

Onlimo location before 2020 by KLHK and DLH

1. Tegal luar
2. Desa Cihampelas
3. Dayeuh Kolot
4. Wangisagara
5. Outlet Jatiluhur
6. Area near Alun-alun Karawang
7. Intake PDAM

Onlimo location in 2020 by KLHK

1. Intake PDAM Dago Bengkok
2. Intake PDAM Cihideung
3. Situ Cisanti
4. Solokan Jeruk
5. Katapang
6. Nanjung
7. Sukasari

Online monitoring result in every station can be seen by android application

SUNGAI CITARUM

Cihampelas, Kampung Babakan Cianjur Bandung Jawa Barat

Kode Stasiun : JABAR-1

Tanggal : 28 Juli 2020

Stasiun pemantauan kualitas air Sungai Citarum

NILAI STORET	STATUS
0	BAIK

TDS	BOD	COD	DO	SUHU
0.27	0	0	5.74	22.3
NH3	PH	NITRAT	NITRIT	TURBIDITY
0	8.1	0	0	0

→LIHAT PETA LOKASI

SUNGAI CITARUM

Jl inspeksi Citarum 41 Pangauban, Kec. Katapang - Bandung

Kode Stasiun : KLHK29

Tanggal : 11 Desember 2020

NILAI STORET	STATUS
-7	CEMAR RINGAN

TDS	BOD	COD	DO	SUHU
0.19	16.21	42	1.11	26.68
NH3	PH	NITRAT	NITRIT	TURBIDITY
3.96	7.63	3.5	0	32.63

→LIHAT PETA LOKASI

SUNGAI CITARUM

Situ Cisanti, Desa Neglowangi, Kec. Kertasari Kab . Bandung

Kode Stasiun : KLHK26

Tanggal : 12 Desember 2020

NILAI STORET	STATUS
0	BAIK

TDS	BOD	COD	DO	SUHU
0.07	19.07	15.66	9.7	19.57
NH3	PH	NITRAT	NITRIT	TURBIDITY
0.15	7.44	1.39	0	0

→LIHAT PETA LOKASI

SUNGAI CITARUM

Intake cibangoak pacet-bandung

Kode Stasiun : KLHK23

Tanggal : 12 Desember 2020

NILAI STORET	STATUS
-15	CEMAR SEDANG

TDS	BOD	COD	DO	SUHU
0.17	14.35	103.34	9.11	23.38
NH3	PH	NITRAT	NITRIT	TURBIDITY
0.11	7.56	31.54	0	232.4

→LIHAT PETA LOKASI

SUNGAI CITARUM

Kec. Dayeuh Kolot, Kab. Bandung

Kode Stasiun : KLHK15

Tanggal : 08 Desember 2020

Stasiun pemantauan kualitas air Sungai Citarum. Lokasi dekat jembatan gantung pada ketinggian 650 m DPL

NILAI STORET	STATUS
-5	CEMAR RINGAN

TDS	BOD	COD	DO	SUHU
421.23	0	47.89	0.12	24.87
NH3	PH	NITRAT	NITRIT	TURBIDITY
0	7.02	0	0	89.62

→LIHAT PETA LOKASI

SUNGAI CITARUM

Intake bantar awi, dago pakar desa ciburial bandung

Kode Stasiun : KLHK22

Tanggal : 09 Juli 2020

NILAI STORET	STATUS
-10	CEMAR RINGAN

TDS	BOD	COD	DO	SUHU
0	0	0	2.22	22.74
NH3	PH	NITRAT	NITRIT	TURBIDITY
10.69	6.32	0	0	0

→LIHAT PETA LOKASI

SUNGAI CITARUM

INTAKE PLTA JATILUHUR PJT II

Kode Stasiun : KLHK20

Tanggal : 12 Desember 2020

NILAI STORET	STATUS
-10	CEMAR RINGAN

TDS	BOD	COD	DO	SUHU
0	21.87	75.73	0	27.49
NH3	PH	NITRAT	NITRIT	TURBIDITY
0	0	0	0	0

SUNGAI CITARUM HULU

Desa Ibu, Pintu Air Irigasi Wangisagara, Majalaya

Kode Stasiun : KLHK3

Tanggal : 08 Desember 2020

Stasiun pemantauan kualitas air Sungai Citarum Hulu di Majalaya. Elevasi 672 meter DPL

NILAI STORET	STATUS
-25	CEMAR SEDANG

TDS	BOD	COD	DO	SUHU
122.83	0	0	2.98	22.81
NH3	PH	NITRAT	NITRIT	TURBIDITY
4.53	9.33	8231.88	0	295.49

→LIHAT PETA LOKASI

SUNGAI CITARUM

Jembatan Alun-Alun Kabupaten Karawang, Sungai Citarum

Kode Stasiun : KLHK21

Tanggal : 12 Desember 2020

NILAI STORET	STATUS
-5	CEMAR RINGAN

TDS	BOD	COD	DO	SUHU
0.64	11.75	203.95	4.55	29.79
NH3	PH	NITRAT	NITRIT	TURBIDITY
0	7.85	0	0	0

→LIHAT PETA LOKASI

SUNGAI CITARUM

Sapan Tegalluar Citarum Rancacatang, Bantarsari, Sumbersari, Ciparay, kab. Bandung Jawa Barat-6, 98987

Kode Stasiun : JABAR-2

Tanggal : 06 April 2020

NILAI STORET	STATUS
-15	CEMAR SEDANG

TDS	BOD	COD	DO	SUHU
0.12	0	0	3.7	25.43
NH3	PH	NITRAT	NITRIT	TURBIDITY
0.08	7.09	90.04	0	1243.38

→LIHAT PETA LOKASI


Thank you.