



CORPORATE ROUNDTABLE BETWEEN GOVERNOR RIDWAN KAMIL AND MULTINATIONAL COMPANIES ON THE UNFOLDING OXYGEN CRISIS IN WEST JAVA



Presented by :

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WEST JAVA DEMOGRAPHIC



48,72 MILLION
PEOPLE (BPS, 2021)

17,86% OF THE TOTAL
INDONESIAN POPULATION



Compares to:



51
MILLION



32
MILLION



33
MILLION



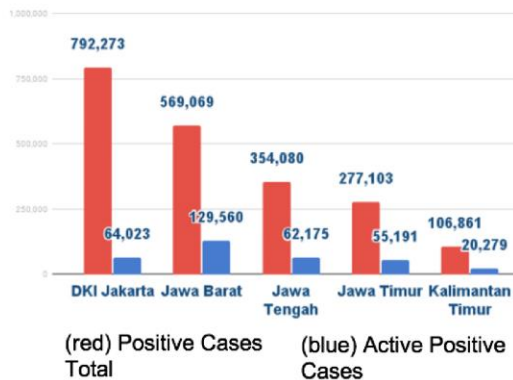
25
MILLION

REGIONAL AREA



18 REGENCIES
9 CITIES

LATEST DATA *UPDATE* (INDONESIA)



3.165.505
Confirmed
^38.679

2.509.318
Recovered
^37.640

83.279
Died
^1.266

573.908
Active Cases

79,2%
Recovery Rate

2,6%
Mortality Rate

275.145
Suspects

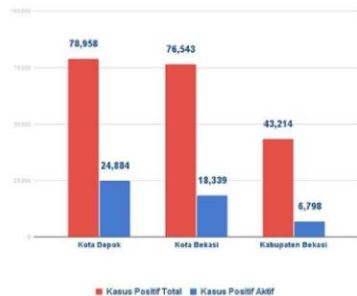
173.472
Specimens

Province	Confirmed	Active Cases	Increased cases	Recovered	Died
DKI Jakarta	792.273	64.023	+5.393	716.811	11.439
West Java	569.069	129.560	+5.302	431.363	8.146
Central Java	354.080	62.175	+5.265	275.091	16.814
East Java	277.103	55.191	+4.763	203.754	18.158
East Kalimantan	106.861	20.279	+1.693	83.684	2.898

*Update data
on the latest addition of cases on July 25, 2021, at 16.00*



LATEST DATA UPDATE (WEST JAVA)



573.437
Confirmed
^ 4.368

128.847
Active Cases
-713

436.218
Recovered
^4.855

76,07%
Recovery
Rate

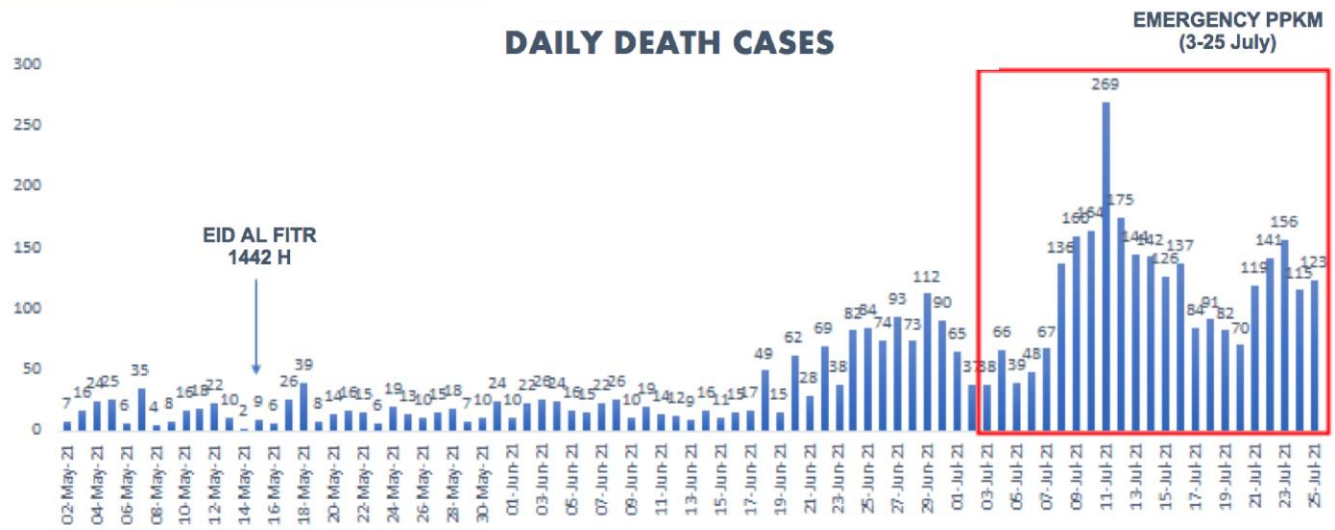
8.372
Died
^226

1.43%
Mortality
Rate

City/Regency	Confirmed	Active Cases	Recovered	Death
Depok City	79.295	25.220	52.942	1.133
Bekasi City	77.056	18.437	58.236	383
Bekasi Regency	43.409	6.491	36.837	79
Karawang Regency	38.402	3.152	33.711	1.539
Bogor Regency	36.687	11.079	25.520	88



DEATH INDICATOR DURING EMERGENCY PPKM



DAILY DEATH 25 JULY 2021 123 CASES
DAILY DEATH DURING EMERGENCY PPKM 2.692 CASES

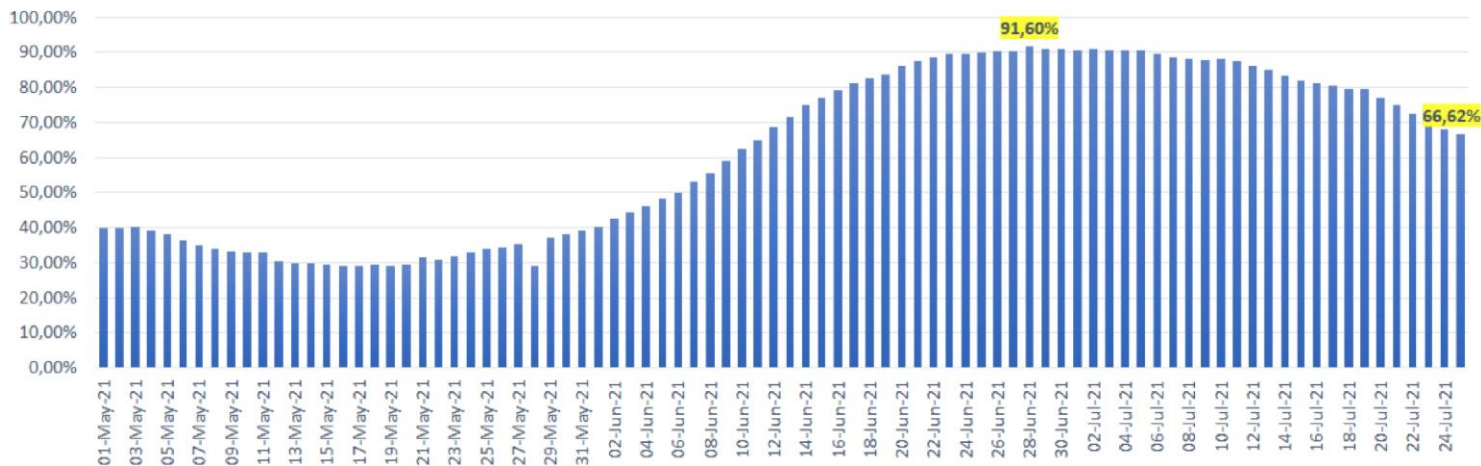
Source: West Java's Health Office, Pikobar, processed. 25 July 2021



BOR INDICATORS DURING PPKM EMERGENCY

BED AVAILABLE 19.664
X13.101

DAILY BOR



BOR, JULY 25 2021, 66,62%

DOWN 1.58% COMPARED TO THE PREVIOUS DAY

Source: West Java's Health Office, Pikobar, processed. 25 July 2021

VILLAGE & REGENCY ISOLATION CENTERS



Cimacan Village Isolation Room



Sources: DPMDESA - Update 25 July 2021

NUMBER OF ISOLATION CENTERS:

VILLAGE:
6.641 UNIT

REGENCY:
907 UNIT

ISOLATION CENTER:
7.548

NUMBER OF BEDS:

VILLAGE:
11.566 UNIT

REGENCY:
2.763 UNIT

BED AMOUNT:
14.329

BED OCCUPANCY:

VILLAGE:
4.338 PEOPLE

REGENCY:
499 PEOPLE

BED OCCUPANCY:
4.837

OCCUPANCY RATE

VILLAGE:
37,51%

REGENCY:
18,06%

CENTRAL BOR ISOLATION
33,75%

EMERGENCY ISOLATION CENTER ADDITION PLAN

**ITB
JATINANGOR
FLATS,
SUMEDANG**



**UPI CIBIRU
DORMITORY,
BANDUNG**

No	Isolation Building	Total Amount of Beds
1	Athlet Jalak Harupat Dormitory	88
2	Upi <u>Cibiru</u> Dormitory	84
3	ITB Jatinangor	200
4	Unpad Jatinangor	40
5	PT. Fajar Paper Cikarang	200
6	Haji Bekasi Guest House	



MAPPING OF EMERGENCY ISOLATION CENTERS IN REGENCY/CITY



**WEST JAVA HAS
42 EMERGENCY ISO
LATION CENTERS**

BED AVAILABLE 3.502

BED OCCUPIED 1.251

**BOR OF ISOLATION
CENTERS 35,72%**

OXYGEN SEARCH FEATURE IN PIKOBAR



Pikobar presents oxygen search feature

West Java Government launched new feature "oxygen search" to ease the patient of covid-19 in West Java



Oxygen search feature equipped by 2 main parts:

- Information of oxygen search and utilization, involving information of oxygen therapy at the hospital, alternative of proning technique for self-isolated patients, and variety of information to use the oxygen cylinder.
- Location and contact number of oxygen cylinder agents for the hospital and citizen.

Visit "Pikobar oxygen search" more at:

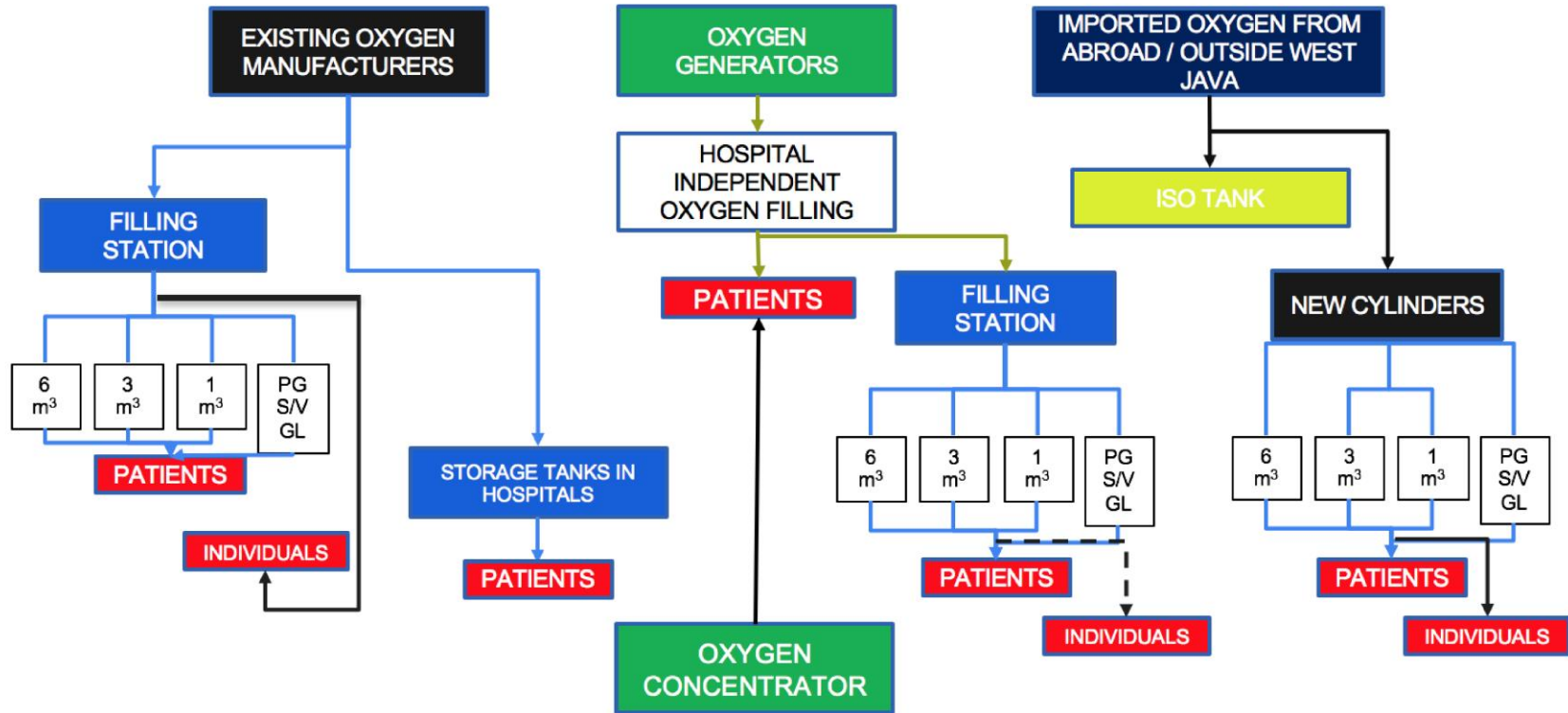
<https://pikobar.jabarprov.go.id/oxygen>



Make it easier for Covid-19 patients to find out the distribution of purchase locations & oxygen cylinder refill agent in West Java.



WEST JAVA'S OXYGEN SOURCES





PROJECTION OF OXYGEN NEEDS IN WEST JAVA PROVINCE

It is projected with the assumption that the trend of increasing the number of patients is 1.7%/day.

Time Period	Number of days	Total of increase (Linear) Along the Period	Oxygen Needs Volume Estimation				Oxygen Deficits	
Until July 31, 2021								
Hospital Oxygen Needs	5	8,3%	495.924	m3/ day	639	ton/ day	(202)	ton/ day
Hospital + Citizens Oxygen Needs			619.906	m3/ day	799	ton/ day	(362)	ton/ day
Until August 31, 2021								
Hospital oxygen Needs	36	59,4%	730.411	m3/ day	941	ton/ day	(504)	ton/ day
Hospital + Citizens Oxygen Needs			913.014	m3/ day	1.177	ton/ day	(740)	ton/ day
Until December 31, 2021								
Hospital oxygen Needs	158	260,9%	1.653.231	m3/ day	2.130	ton/ day	(1.694)	ton/ day
Hospital + Citizens Oxygen Needs			2.066.539	m3/ day	2.663	ton/ day	(2.226)	ton/ day

The calculation of this tube requirement does not take into account the existing tube population in the hospital. As of July 25, 2021, the estimated population of 6 m3 tubes that can be identified at West Java hospitals is 26,740 tubes.

OXYGEN NEEDS PROJECTION IN WEST JAVA PROVINCE



Time Period	Convert to Tube	
	Hospital Needs (Tube 6 m3)	Community Needs (Tube 1 m3)
Until 31 July 2021	82.654	123.981
Until 31 August 2021	121.735	182.603
Until 31 December 2021	275.538	413.308

The calculation of this tube requirement does not take into account the existing tube population in the hospital. As of July 25, 2021, the estimated population of 6 m3 tubes that can be identified at West Java hospitals is 26,740 tubes.



OXYGEN SUPPLY TO WEST JAVA



#	Oxygen Suppliers	Total Production Capacity	Total Production Capacity for West Java (3 July 2021)	Unit	Supply Percentage to West Java
1	PT Aneka Gas (Samator Group) (Jabar, Banten, DKI)	550	168,0	Ton/day	30,5%
2	PT Linde	600	60,0	Ton/day	10,0%
3	PT Iwatani	50	29,7	Ton/day	59,3%
4	Air Liquide	400	124,2	Ton/day	31,1%
5	Air Product	100	35,0	Ton/day	35,0%
6	Bantuan Kemenkes (Alindo)		20,0	Ton/day	
Total Supply		1.700	436,9	Ton/day	25,7%

OXYGEN NEEDS IN WEST JAVA

ON MONDAY, JULY 26, 2021

IN HOSPITAL REQUIRING OXYGEN < 12 HOURS:

Hospital Numbers < 12 hours	Percentage of Total Hospital Filling Data	Total Oxygen Consumption	Total Oxygen Availability	Oxygen Needs	Source
33 hospitals	14,3%	47 ton	11,3 ton	35,7 ton	RS Online on July 25, 2021 (processed)

IN HOSPITALS THAT HAVE STORAGE TANKS

Description	Volume	Source
Total Needs Today (July 26, 2021) at Hospitals That Have Storage Tanks	375,4 tons	RS Online on Juli 25, 2021 (processed)
Total Tank Capacity in Hospitals That Have Storage Tanks	584,5 tons	

Total Hospital and Community Oxygen Needs by Regency/City in West Java Province (tonnes/day)

No.	Regency/City	Minimal Needs of Hospitals and Self-Isolation	Critical Needs of Hospitals and Self-Isolation
1	Kota Bekasi	83	68
2	Kota Bandung	78	61
3	Bogor	61	48
4	Bekasi	61	40
5	Kota Depok	58	52
6	Karawang	37	21
7	Kota Bogor	32	23
8	Garut	27	16
9	Cirebon	25	19
10	Kota Cimahi	18	13
11	Bandung	15	12
12	Purwakarta	15	10
13	Kota Cirebon	15	12
14	Sukabumi	15	11
15	Cianjur	12	9
16	Indramayu	12	9
17	Kuningan	11	7
18	Bandung Barat	9	8
19	Kota Sukabumi	8	5
20	Subang	7	5
21	Kota Tasikmalaya	7	6
22	Ciamis	5	5
23	Majalengka	5	4
24	Sumedang	4	2
25	Pangandaran	3	2
26	Tasikmalaya	3	2
27	Kota Banjar	2	2
TOTAL		627	473

OXYGEN NEEDS IN WEST JAVA (JULY 26, 2021)

Total Oxygen Needs by Room in West Java Province (tons/day)

	Minimal Needs	Critical Needs
Queue	N/A	N/A
Isolation Without Negative Pressure	215	135
Isolation With Negative Pressure	121	84
ICU with Negative Pressure with Ventilators	49	43
Other INTENSIVES (Other ICUs +NICU + PICU)	79	64
IGD COVID	32	17
VK COVID	3	1
Self Isolation	129	129
TOTAL	627	473

With the estimated oxygen demand in the West Java Provincial Hospital and the self-isolated community at 627 tons/day (minimum need) and 473 tons/day (critical need), while the oxygen supply to West Java is 436.9 tons/day, it can be concluded that **there is an oxygen supply deficit of 190.1 tons/day (minimum demand) and 36.1 tons/day (critical demand), not counting the calculation of non-COVID oxygen demand.**

Information:

Projections based on data sources of used and available beds for COVID patients (RS Online) and projections of oxygen demand in self-isolated communities based on active case data.

The calculation is based on the projected oxygen demand per room type through consideration by the resource person (anesthetist).



01

The supply volume is lower than the demand volume
(there is a deficit in oxygen demand).

02

Limited availability of distributors' fleet and human resources so that they cannot keep up with oxygen demand.

03

Limited availability of medical oxygen cylinders, both in hospitals and on the market. Including the supporting tools (safety valves, etc.) which are quite diverse in type.



**CHALLENGES
UPON OXYGEN
NEEDS IN
WEST JAVA
PROVINCE**

05

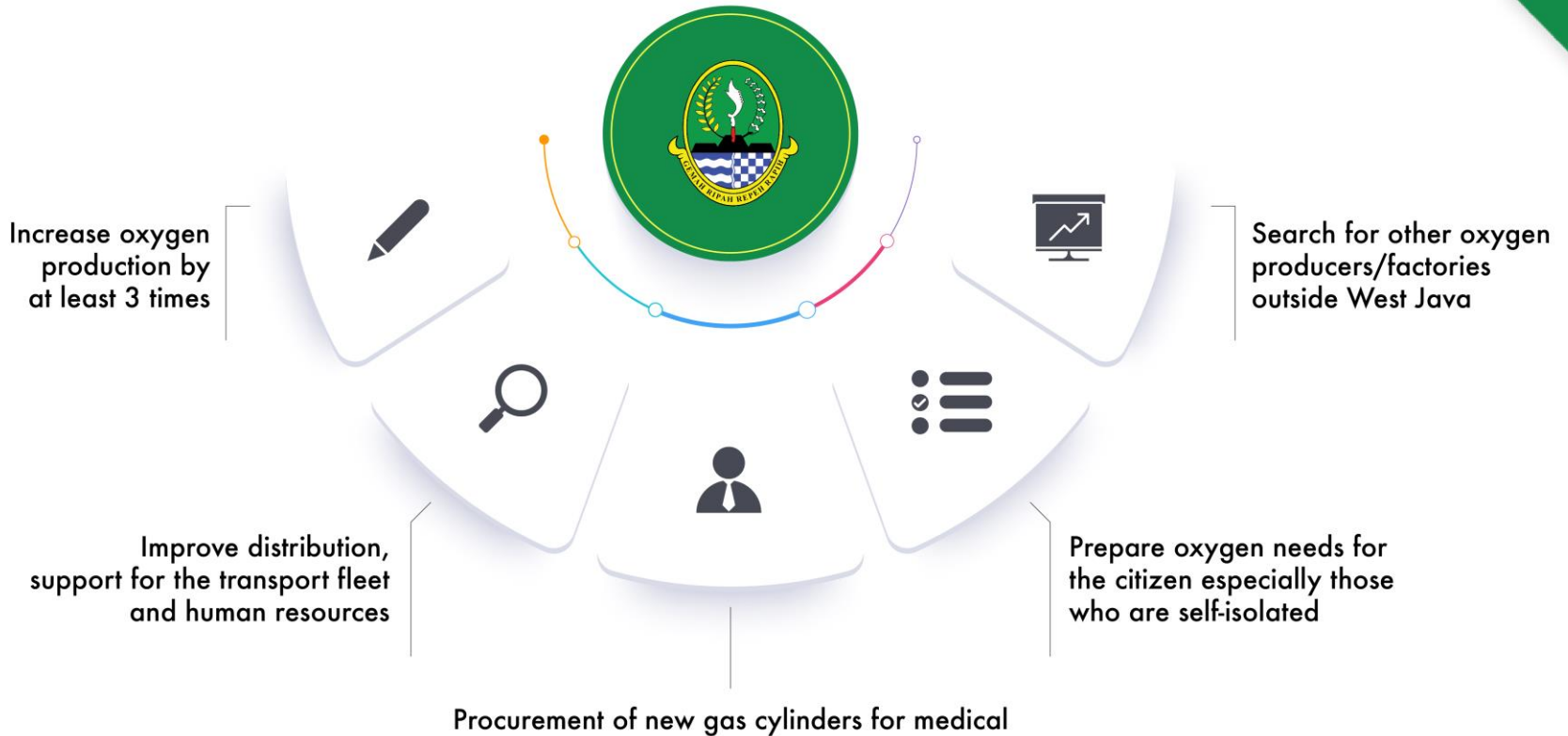
Limited information on oxygen producers outside Java and abroad is also related to the duration and technical constraints of shipping from outside.

04

The need for oxygen is still high for self-isolated communities who need help.



HANDLING STRATEGIES FOR OXYGEN AVAILABILITY IN WEST JAVA:



STICKER ATTACHMENT ON THE WEST JAVA POST'S OXYGEN CYLINDERS

- 2 Types of Stickers have been prepared by the West Java's Oxygen Post :
 - sticker donor
 - West Java's Oxygen Post Sticker
- Next, barcode stickers will be prepared, provided by West Java Oxygen Post
- The sticker is submitted to the Regency/City Command Post together with the Oxygen Cylinder, and sticker receipt is required from the Regency/City post command
- Stickers are attached to all the oxygen cylinders sent by West Java Oxygen Post to be sent to the Regency/City Oxygen Command before being delivered to the hospitals.

STICKER PLACEMENT



COVERAGE OF 5 FILLING STATION (FS) SERVICE AREA APPOINTED BY WEST JAVA'S OXYGEN POST

1. FS Tira Austenite, Cikarang

Bekasi City, Bekasi Regency, Karawang Regency, Subang Regency, Purwakarta Regency, Depok City

2. FS SGI Bandung

Bandung City, Bandung Regency, Bandung Barat Regency, Sumedang Regency, Cimahi City, RSUD Al Ihsan, RS Kesehatan Kerja, RS Jiwa

3. FS Sukabumi: Slamet Motor

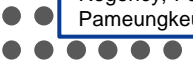
Sukabumi City, Sukabumi Regency, Cianjur Regency, Bogor Regency, Bogor City, RSUD Jampang Kulon

4. FS Cirebon: Sari Angin

Cirebon Regency, Cirebon City, Kuningan Regency, Indramayu Regency, Majalengka Regency, RSP Sidawangi

5. FS SGI Tasikmalaya

Garut Regency, Tasikmalaya Regency, Tasikmalaya City, Ciamis Regency, Banjar Regency, Pangandaran Regency, RSUD Pameungkeuk Garut





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