Environmental Measurement 2023-2025 PT. MEKAR ARMADA JAYA

			2023		2024		2025	
category	**Item Monitor**	**Place**	**Sem. 1**	**Sem. 2**	**Sem. 1**	**Sem. 2**	**Sem. 1**	**Sem. 2**
Discharged Wastewater	1. BOD (mg/L)	Outlet HCGA	19	20	4	10	10	9
		Limbah Domestik	17	18	12	8	9	7
	2. COD (mg/L)	Outlet HCGA	65	66	12	32	32	30.2
		Limbah Domestik	57	61	39	25	31	23.4

Q. 7.11-13	**2023**								**TOTAL**	**AVG**
	Semester 1				**Semester 2**					
	PH2.1	**PH2.2**	**PH2.3**	**PH 1**	**PH2.1**	**PH2.2**	**PH2.3**	**PH 1**		
SO (mg/Nm^3)	2.61	2.61	2.61	2.61	2.61	1.61	2.61	2.61	19.88	2.49
NO (mg/Nm^3)	101	107	109	84.9	137	123	145	107	913.90	114.24
PM (mg/Nm^3)	0.2	0.2	0.2	0.6	0.9	0.2	0.2	0.2	2.70	0.34

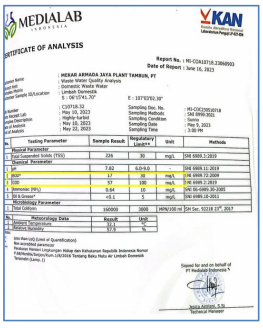
Q. 7.11-13	**2024**								**TOTAL**	**AVG**
	Semester 1				**Semester 2**					
	PH2.1	**PH2.2**	**PH2.3**	**PH 1**	**PH2.1**	**PH2.2**	**PH2.3**	**PH 1**		
SO (mg/Nm^3)	2.61	2.61	2.61	2.67	2.61	2.61	2.61	2.61	20.94	2.62
NO (mg/Nm^3)	30.7	32	36.3	27.00	1.88	1.88	1.88	1.88	133.52	16.69
PM (mg/Nm^3)	0.2	2.2	0.2	0.2	0.2	0.2	0.2	0.2	3.60	0.45

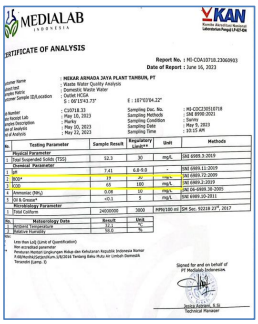
Q. 7.11-13	**2025**								**TOTAL**	**AVG**
	Semester 1				**Semester 2**					
	PH2.1	**PH2.2**	**PH2.3**	**PH 1**	**PH2.1**	**PH2.2**	**PH2.3**	**PH 1**		
SO (mg/Nm^3)	2.61	33.80	38.00	2.61	10.10	14.40	9.50	8.95	119.97	15.00
NO (mg/Nm^3)	160.0	128	134.0	77.00	98.36	79.19	115.80	95.99	888.34	111.04
PM (mg/Nm^3)	220.0	155.0	110.0	0.4	20.0	2.8	6.5	1.3	516.00	64.50

Third Party Lab Result (PT. Medialab Indonesia)

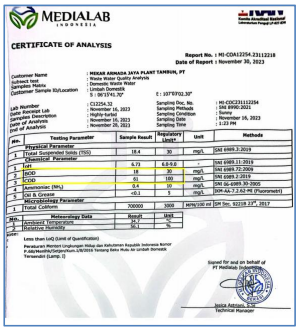
A. Discharged Wastewater 2023

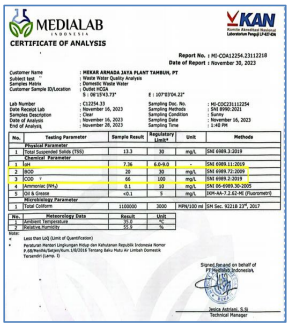
Semester I





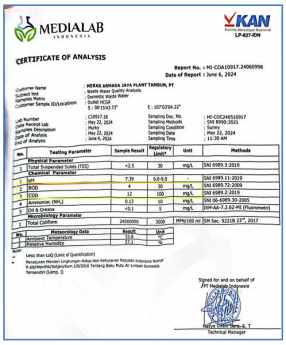
Semester 2

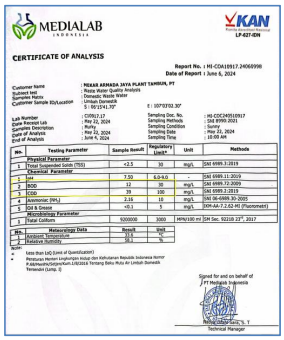




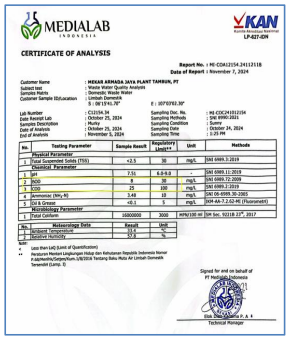
B. Discharged Wastewater 2024

Semester I





Semester 2

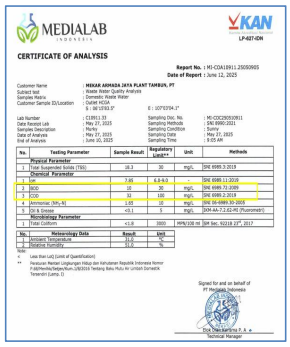




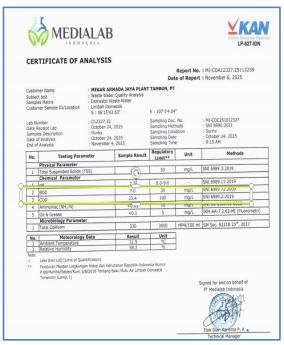
C. Discharged Wastewater 2025

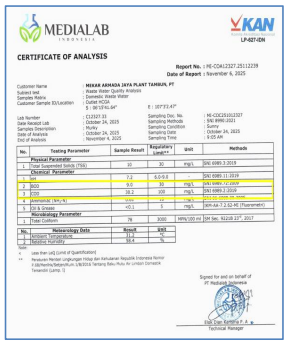
Semester I





Semester 2

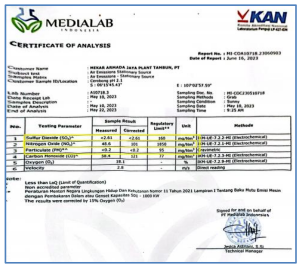
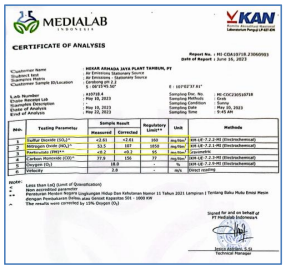
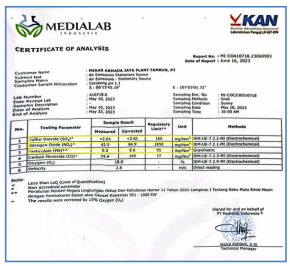
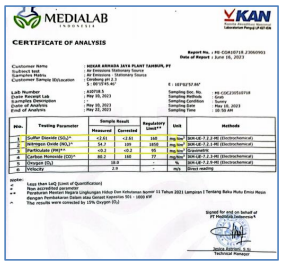




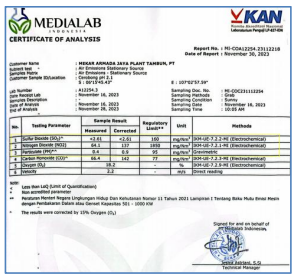
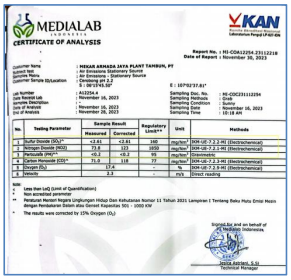
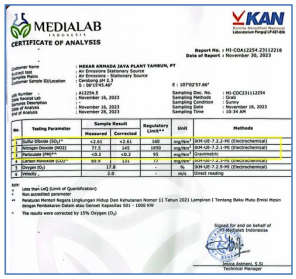
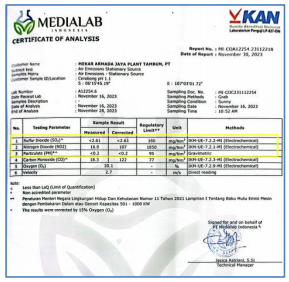
Third Party Lab Result (PT. Medialab Indonesia)

A. Air Emission 2023

Semester I

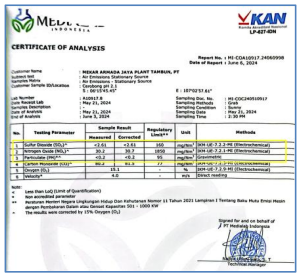
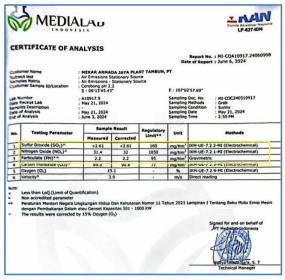
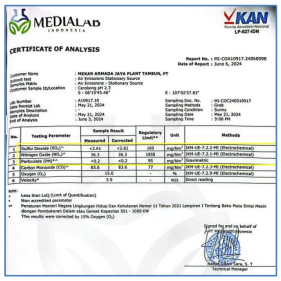
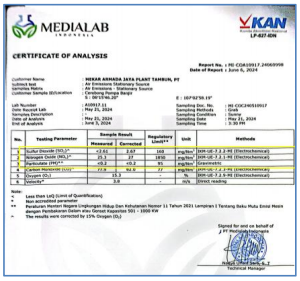





Semester II

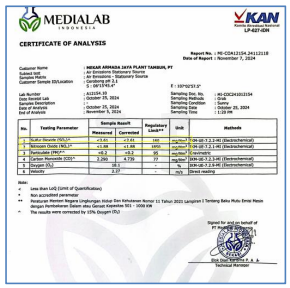
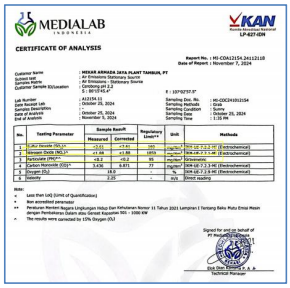
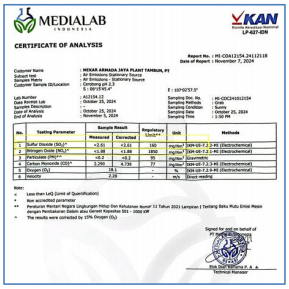
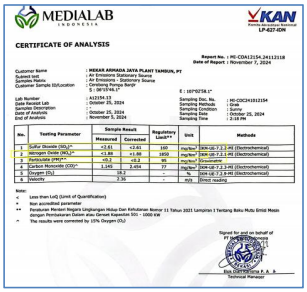





B. Air Emission 2024

Semester I

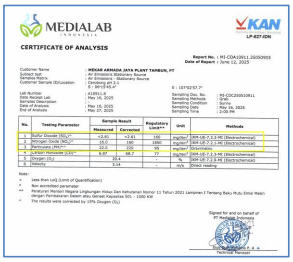
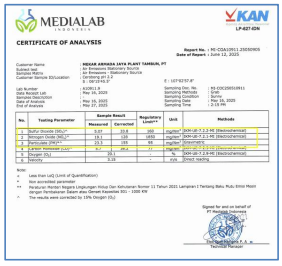
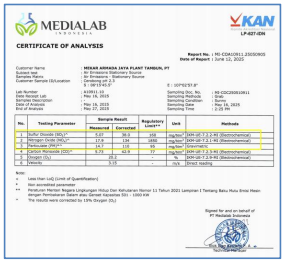
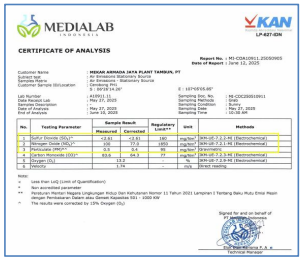





Semester II

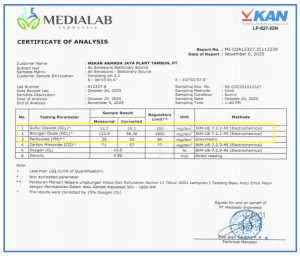
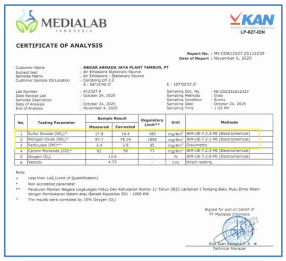
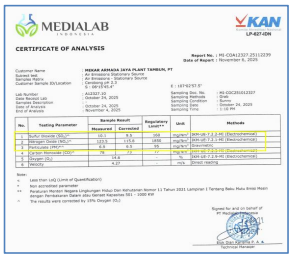
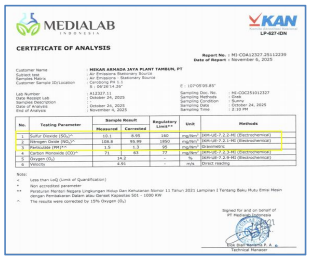





C. Air Emission 2025

Semester I

Semester 2

GREENHOUSE GASS EMMISION (EMISI GAS RUMAH KACA) PT MEKAR ARMADA JAYA

GHG INVENTORY TAHUN : 2023	**Scope 1 (Direct Emissions)**			**3.83%**	**371.9 tco2eq**
		Generator Set			
			Stationary Combustion	0.09%	8.3 tco2eq
		Operational Cars			
			Mobile Combustion	0.48%	46.9 tco2eq
		Operational Truck			
			Mobile Combustion	3.26%	316.7 tco2eq
	Scope 2 (Indirect Emissions)			**96.17%**	**9,341.6 tco2eq**
		Asia			
			Electricity Consumption Facilities	96.17%	9,341.6 tco2eq
Grand Total				**100.00%**	**9,713.5 tco2eq**

GHG INVENTORY TAHUN : 2024	**Scope 1 (Direct Emissions)**			**4.05%**	**381.5 tco2eq**
		Generator Set			
			Stationary Combustion	0.09%	8.3 tco2eq
		Operational Cars			
			Mobile Combustion	0.49%	45.9 tco2eq
		Operational Trucks			
			Mobile Combustion	3.48%	327.3 tco2eq
	Scope 2 (Indirect Emissions)			**95.95%**	**9,028.0 tco2eq**
		Asia			
			Electricity Consumption Facilities	95.95%	9,028.0 tco2eq
Grand Total				**100.00%**	**9,409.5 tco2eq**

GHG INVENTORY TAHUN : 2025	**Scope 1 (Direct Emissions)**			**3.19%**	**341.5 tco2eq**
		Generator Set			
			Stationary Combustion	0.06%	6.8 tco2eq
		Operational Cars			
			Mobile Combustion	0.40%	43.1 tco2eq
		Operational Trucks			
			Mobile Combustion	2.72%	291.5 tco2eq
	Scope 2 (Indirect Emissions)			**96.81%**	**10,371.7 tco2eq**
		Asia			
			Electricity Consumption Facilities	96.81%	10,371.7 tco2eq
Grand Total				**100.00%**	**10,713.2 tco2eq**

Penggunaan Energi PT Mekar Armada Jaya

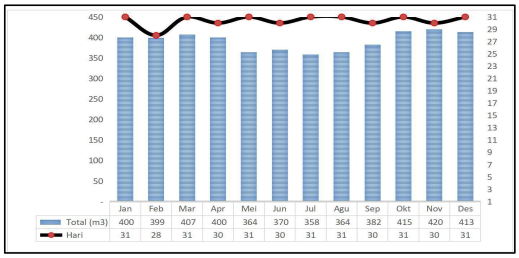
Energy Consumption Data 2019- 2025	No	Scope 2	Total KwH	Total MwH	BEBAN EMISI tCO2eq
	1	Listrik PLN (2019)	7,672,445	7672.445	27620.8
	2	Listrik PLN (2023)	10,737,520	10737.52	38,655.07
	3	Listrik PLN (2024)	10,377,040	10377.04	37,357.34
	4	Listrik PLN (2025)	11,921,494	11921.494	42,917.38

Energy Consumption Data 2019 - 2025	No	Scope 2	MwH	Total Liter
	1	Solar Bensin (2019)	1329.53	139,951
	2	Solar Bensin (2023)	1092.89	115,041
	3	Solar Bensin (2024)	1128.91	118,833
	4	Solar Bensin (2025)	1235.76	123,576

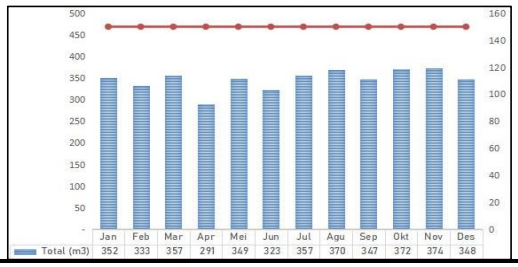
PENGGUNAAN AIR SUMUR (GROUNDWATER 2023-2025)

Penggunaan Air	PT Mekar Armada Jaya
Tahun 2023	4692 ton
Tahun 2024	4508 ton
Tahun 2025	4173 ton

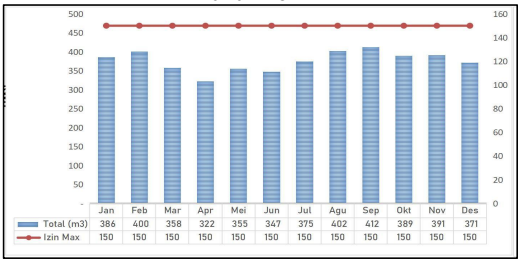
Tahun 2023



Tahun 2025



Tahun 2024



MONITORING VOLUME PEMBUANGAN AIR LIMBAH DOMESTIK



new armada
PT. MEKAR ARMADA JAYA

LOGBOOK PENGANGKUTAN LIMBAH CAIR SEPTIK TANK

Nama Perusahaan : PT. Mekar Armada Jaya
Lokasi : Jl Diponegoro Km.38 No.107 Tambun Selatan Kabupaten Bekasi
Periode : Tahun 2023
Jenis Limbah : Limbah Cair Septik Tank / Domestik

No	Tanggal	Lokasi/Sumber Septik Tank	Volume Diangkut (m³)	No. Kendaraan Tangki	Nama Pengangkut	Tujuan Pengolahan	No. Dokumen/Bukti Angkut	Kondisi Tangki	PROG
1	25 Maret 2023	Toilet Kantin & Grease Trap	4	B9019 FMA	ARIFIN	PALD KABUPATEN BEKASI	HM.04.03/1249/UPTD-PALD/DCKTR/2023	BAIK	100%
2	25 Maret 2023	TOILET LINE D	4	B9033 FMA	NARMIN	PALD KABUPATEN BEKASI	HM.04.03/1249/UPTD-PALD/DCKTR/2023	BAIK	100%
3	25 Maret 2023	TOILET OFFICE UTAMA	4	B9035 FMA	AHMAD ZAELANI	PALD KABUPATEN BEKASI	HM.04.03/1249/UPTD-PALD/DCKTR/2023	BAIK	100%
4	25 Maret 2023	TOILET POS 1	4	B9020 FMA	RAHMAT	PALD KABUPATEN BEKASI	HM.04.03/1249/UPTD-PALD/DCKTR/2023	BAIK	100%
5	30 September 2023	Toilet Kantin & Grease Trap	4	B9035 FMA	AHMAD ZAELANI	PALD KABUPATEN BEKASI	HM.04.03/2540/UPTD-PALD/DCKTR/2023	BAIK	100%
6	30 September 2023	TOILET LINE D	4	B9032 FMA	SIGIT	PALD KABUPATEN BEKASI	HM.04.03/2541/UPTD-PALD/DCKTR/2023	BAIK	100%
7	30 September 2023	TOILET MACHINING	4	B9033 FMA	NARMIN	PALD KABUPATEN BEKASI	HM.04.03/2542/UPTD-PALD/DCKTR/2023	BAIK	100%
8	30 September 2023	TOILET IFP	4	B9019 FMA	ARIFIN	PALD KABUPATEN BEKASI	HM.04.03/2543/UPTD-PALD/DCKTR/2023	BAIK	100%

Total tahun 2023	32 m3 32000 liter

Disetujui	Dibuat
Edi Supriyanto	Faldiansah



new armada
PT. MEKAR ARMADA JAYA

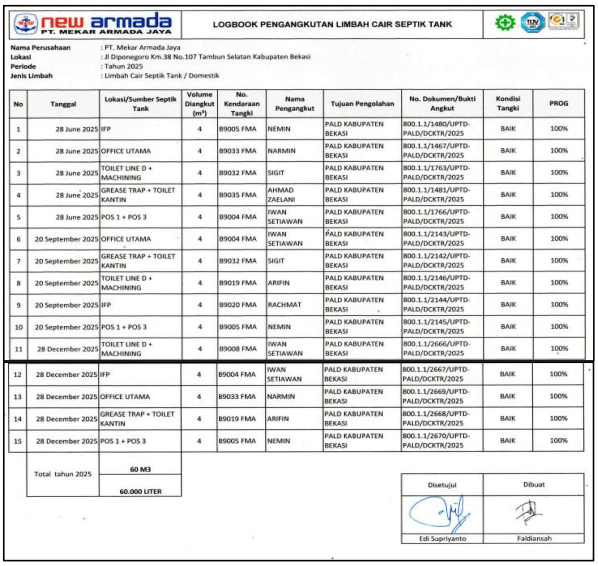
LOGBOOK PENGANGKUTAN LIMBAH CAIR SEPTIK TANK

Nama Perusahaan : PT. Mekar Armada Jaya
Lokasi : Jl Diponegoro Km.38 No.107 Tambun Selatan Kabupaten Bekasi
Periode : Tahun 2024
Jenis Limbah : Limbah Cair Septik Tank / Domestik

No	Tanggal	Lokasi/Sumber Septik Tank	Volume Diangkut	No. Kendaraan	Nama Pengangkut	Tujuan Pengolahan	No. Dokumen/Bukti Angkut	Kondisi Tangki	PROG
1	17 August 2024	Toilet Kantin & Grease Trap	4	B9035 FMA	AHMAD ZAELANI	PALD KABUPATEN BEKASI	HM.04.03/1249/UPTD-PALD/DCKTR/2024	BAIK	100%
2	26 October 2024	Toilet Kantin & Grease Trap	4	B9033 FMA	NARMIN	PALD KABUPATEN BEKASI	HM.04.03/2213/UPTD-PALD/DCKTR/2024	BAIK	100%
3	14 December 2024	TOILET LINE D	4	B9032 FMA	SIGIT	PALD KABUPATEN BEKASI	HM.04.03/2721/UPTD-PALD/DCKTR/2024	BAIK	100%
4	14 December 2024	TOILET MACHINING	4	B9033 FMA	NARMIN	PALD KABUPATEN BEKASI	HM.04.03/2722/UPTD-PALD/DCKTR/2024	BAIK	100%
5	14 December 2024	TOILET OFFICE UTAMA	4	B9008 FMA	IRWAN KUSNADI	PALD KABUPATEN BEKASI	HM.04.03/2723/UPTD-PALD/DCKTR/2024	BAIK	100%
6	14 December 2024	TOILET IFP	4	B9019 FMA	ARIFIN	PALD KABUPATEN BEKASI	HM.04.03/2725/UPTD-PALD/DCKTR/2024	BAIK	100%
7	14 December 2024	TOILET POS 1	4	B9020 FMA	RAHMAT	PALD KABUPATEN BEKASI	HM.04.03/2726/UPTD-PALD/DCKTR/2024	BAIK	100%

Total tahun 2024	28 m3 28000 liter

Disetujui	Dibuat
Edi Supriyanto	Faldiansah



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Lokasi : Jl Diponegoro Km.38 No.107 Tambun Selatan Kabupaten Bekasi
Periode : Tahun 2025
Jenis Limbah : Limbah Cair Septik Tank / Domestik

No	Tanggal	Lokasi/Sumber Septik Tank	Volume Diangkut (m³)	No. Kendaraan Tangki	Nama Pengangkut	Tujuan Pengolahan	No. Dokumen/Bukti Angkut	Kondisi Tangki	PROG
1	28 June 2025	IFP	4	B9005 FMA	NEMIN	PALD KABUPATEN BEKASI	800.1.1/1480/UPTD-PALD/DCKTR/2025	BAIK	100%
2	28 June 2025	OFFICE UTAMA	4	B9033 FMA	NARMIN	PALD KABUPATEN BEKASI	800.1.1/1467/UPTD-PALD/DCKTR/2025	BAIK	100%
3	28 June 2025	TOILET LINE D + MACHINING	4	B9032 FMA	SIGIT	PALD KABUPATEN BEKASI	800.1.1/1763/UPTD-PALD/DCKTR/2025	BAIK	100%
4	28 June 2025	GREASE TRAP + TOILET KANTIN	4	B9035 FMA	AHMAD ZAELANI	PALD KABUPATEN BEKASI	800.1.1/1481/UPTD-PALD/DCKTR/2025	BAIK	100%
5	28 June 2025	POS 1 + POS 3	4	B9004 FMA	IWAN SETIAWAN	PALD KABUPATEN BEKASI	800.1.1/1766/UPTD-PALD/DCKTR/2025	BAIK	100%
6	20 September 2025	OFFICE UTAMA	4	B9004 FMA	IWAN SETIAWAN	PALD KABUPATEN BEKASI	800.1.1/2143/UPTD-PALD/DCKTR/2025	BAIK	100%
7	20 September 2025	GREASE TRAP + TOILET KANTIN	4	B9032 FMA	SIGIT	PALD KABUPATEN BEKASI	800.1.1/2142/UPTD-PALD/DCKTR/2025	BAIK	100%
8	20 September 2025	TOILET LINE D + MACHINING	4	B9019 FMA	ARIFIN	PALD KABUPATEN BEKASI	800.1.1/2146/UPTD-PALD/DCKTR/2025	BAIK	100%
9	20 September 2025	IFP	4	B9020 FMA	RACHMAT	PALD KABUPATEN BEKASI	800.1.1/2144/UPTD-PALD/DCKTR/2025	BAIK	100%
10	20 September 2025	POS 1 + POS 3	4	B9005 FMA	NEMIN	PALD KABUPATEN BEKASI	800.1.1/2145/UPTD-PALD/DCKTR/2025	BAIK	100%
11	28 December 2025	TOILET LINE D + MACHINING	4	B9008 FMA	IWAN SETIAWAN	PALD KABUPATEN BEKASI	800.1.1/2666/UPTD-PALD/DCKTR/2025	BAIK	100%
12	28 December 2025	IFP	4	B9004 FMA	IWAN SETIAWAN	PALD KABUPATEN BEKASI	800.1.1/2667/UPTD-PALD/DCKTR/2025	BAIK	100%
13	28 December 2025	OFFICE UTAMA	4	B9033 FMA	NARMIN	PALD KABUPATEN BEKASI	800.1.1/2669/UPTD-PALD/DCKTR/2025	BAIK	100%
14	28 December 2025	GREASE TRAP + TOILET KANTIN	4	B9019 FMA	ARIFIN	PALD KABUPATEN BEKASI	800.1.1/2668/UPTD-PALD/DCKTR/2025	BAIK	100%
15	28 December 2025	POS 1 + POS 3	4	B9005 FMA	NEMIN	PALD KABUPATEN BEKASI	800.1.1/2670/UPTD-PALD/DCKTR/2025	BAIK	100%

Total tahun 2025	60 M3 60.000 LITER

Disetujui	Dibuat
Edi Supriyanto	Faldiansah

MONITORING WASTE PT. MEKAR ARMADA JAYA

Kategori	Satuan	Tahun 2023	Tahun 2024	Tahun 2025
General Waste	ton	220.6	304.7	295.3
Hazardouse Waste	ton	30.98	16.8	11.2174
Reuse & Recycle Waste	ton	250.22	190.131	183.38