

1. Pompa Sentrifugal Unit Bak Penampung ke Unit Aerasi



NK 100-180/146 AA1F1S3ESBQQEPW1

Spesifikasi Pompa :

- Merk : Grundfos
- Tipe : NK 100-180/146 AA1F1S3ESBQQEHW3
- Maksimal Flow : 160 m³/h
- Maksimal Head : 20 m
- Pipa Inlet : DN 125
- Pipa Outlet : DN 100

2. Foot Valve Bak Penampung

Foot Valve Model 302BT

Designed specifically for municipal and industrial pumping applications where a heavy duty, extremely reliable valve may be required. This top quality foot valve offers field replaceable seat ring and has extremely low headloss. The foot valve has flanged connection ANSI 125.



Simple and reliable construction

Valve Sizes and Weights

Size	Part No.	"A" Width	"B" Height	Weight (Lbs.)
2"	4763BT	6"	8 21/64"	23
2 1/2"	4768BT	7"	8 19/32"	30
3"	4769BT	7 1/2"	9 9/64"	37
4"	4770BT	9"	10 3/8"	63
5"	4771BT	10"	12 5/8"	80
6"	4772BT	11"	15 7/8"	100
8"	4774BT	13 1/2"	20 3/4"	160
10"	4775BT	16"	25 5/8"	260
12"	5416BT	19 1/2"	26 17/32"	410
14"	5417BT	22"	27 7/8"	500
16"	5418BT	25"	33 1/2"	650
18"	5419BT	28"	36 7/8"	850
20"	5420BT	31"	40 1/2"	1050
24"	5422BT	37"	48 1/8"	1440

Spesifikasi :

- Merk : Danfoss
- Model : Foot Valve 302 BT
- Ukuran : 5 inch
- Tipe : 4771BT

3. Diffuser Plate Aerator



Spesifikasi :

- Merk : Holly
- Tipe : HLBQ-215
- Tipe Bubble : Fine Bubble
- Ukuran : 8 inch
- Bubble Size : 1-2 mm

4. Pompa Blower

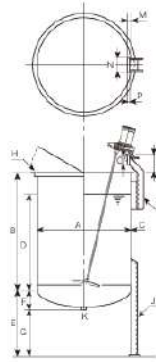


Spesifikasi :

- Merk : Showfou Blowers
- Tipe : BS-0212
- Power : 0.2 Kw

5. Tangki Pembubuh Bak Koagulasi

Specification of optional tanks



Model	Available capacity		Maximum capacity		Tank dimension (mm)											Weight (kg)	
	ℓ	ℓ'	A	B	C	D	E	F	G	H(BUS)	J(SG)	K	Tank	Lid*			
ZTF-100	100	130	500	600	3	450	450	134	316	L25x25x3	3-1.50-50x6	1/2 B Socket	43	3			
ZTF-150	150	182	550	700	3	562	450	144	306	L30x30x3	3-1.50-50x6	1/2 B Socket	51	4			
ZTF-200	200	256	650	700	3	520	450	153	287	L30x30x3	3-1.50-50x6	1/2 B Socket	60	5.5			
ZTF-300	300	351	700	850	3	652	600	173	327	L40x40x3	4-1.50-50x6	1/2 B Socket	77	5.5			
ZTF-400	400	478	800	850	3	656	600	192	308	L40x40x3	4-1.50-50x6	1/2 B Socket	88	8			
ZTF-500	500	606	850	950	3	770	600	202	298	L40x40x3	4-1.50-50x6	1/2 B Socket	106	9			
ZTF-800	800	963	1000	1100	3	900	650	240	310	L40x40x5	4-1.100-50x5	1B Socket	155	12			
ZTF-1000	1000	1177	1100	1100	3	910	650	260	290	L40x40x5	4-1.100-50x5	1B Socket	170	19			
ZTF-1500	1500	1721	1250	1245	4	1065	600	290	310	L50x50x6	4-1.100-50x5	1B Socket	250	24			
ZTF-2000	2000	2275	1350	1660	4	1345	600	298	302	L50x50x6	4-1.125-85x6	1B Socket	335	26			
ZTF-2000S	2000	2273	1400	1500	4	1125	600	318	282	L50x50x6	4-1.125-85x6	1B Socket	335	30			
ZTF-2500	2500	3073	1500	1650	4	1230	700	370	330	L50x50x6	4-1.125-85x6	1B JIS 10KF	400	34			
ZTF-3000	3000	3603	1600	1850	4	1510	700	370	330	L50x50x6	4-1.125-85x6	1B JIS 10KF	448	34			
ZTF-3000S	3000	3521	1600	1650	4	1290	750	400	360	L50x50x6	4-1.125-85x6	1B JIS 10KF	422	38			
ZTF-3500	3500	4125	1600	1850	4	1540	700	400	300	L50x50x6	4-1.150-75x9	1B JIS 10KF	524	38			
ZTF-3500S	3500	4094	1700	1650	4	1320	800	430	370	L50x50x6	4-1.150-75x9	1B JIS 10KF	514	42			
ZTF-4000	4000	4685	1700	1850	4	1560	800	430	370	L65x65x6	4-1.150-75x9	1 1/2 B JIS 10KF	675	45			
ZTF-4000S	4000	4520	1800	1900	4	1345	800	450	360	L65x65x6	4-1.150-75x9	1 1/2 B JIS 10KF	550	50			
ZTF-4500	4500	5285	1800	1850	5	1542	800	450	350	L65x65x6	4-2.000x30x8	1 1/2 B JIS 10KF	750	50			
ZTF-5000	5000	5921	1900	1850	5	1530	900	500	400	L65x65x6	4-2.000x30x8	2B JIS 10KF	800	56			

*The lid has a thickness of 1 St for A dimension up to 1000, and 2.0t for A dimension above that.
 Jacket type is also available.

Spesifikasi :

- Merk : SATAKE
- Tipe : ZTF-800
- Diameter : 900 mm
- Kapasitas : Maksimal 963 L

6. Pengaduk Bak Pembunuh Koagulasi

A720-A725
Medium-sized type

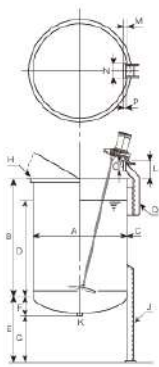
The A720 and A725 are compact and lightweight with improved mixing efficiency and easy-to-use design. They are ideal for general mixing tasks such as mixing effluent, food, and other materials. They are also suitable for use in laboratories, schools, and other educational institutions.

Standard specification

Model	Power (kW)	Capacity (L)	Motor speed (rpm)	Motor type	Weight (kg)
A720-0.4A	0.4	200	1450	Induction	10
A720-0.4	0.4	200	1450	Induction	10
A720-0.4S	0.4	200	1450	Induction	10
A720-0.4A	0.4	200	1450	Induction	10
A720-0.4	0.4	200	1450	Induction	10
A720-0.4S	0.4	200	1450	Induction	10
A720-0.4A	0.4	200	1450	Induction	10
A720-0.4	0.4	200	1450	Induction	10
A720-0.4S	0.4	200	1450	Induction	10
A720-0.4A	0.4	200	1450	Induction	10
A720-0.4	0.4	200	1450	Induction	10
A720-0.4S	0.4	200	1450	Induction	10
A720-0.4A	0.4	200	1450	Induction	10
A720-0.4	0.4	200	1450	Induction	10
A720-0.4S	0.4	200	1450	Induction	10
A720-0.4A	0.4	200	1450	Induction	10
A720-0.4	0.4	200	1450	Induction	10
A720-0.4S	0.4	200	1450	Induction	10
A720-0.4A	0.4	200	1450	Induction	10
A720-0.4	0.4	200	1450	Induction	10
A720-0.4S	0.4	200	1450	Induction	10
A720-0.4A	0.4	200	1450	Induction	10
A720-0.4	0.4	200	1450	Induction	10
A720-0.4S	0.4	200	1450	Induction	10
A720-0.4A	0.4	200	1450	Induction	10
A720-0.4	0.4	200	1450	Induction	10
A720-0.4S	0.4	200	1450	Induction	10
A720-0.4A	0.4	200	1450	Induction	10
A720-0.4	0.4	200	1450	Induction	10
A720-0.4S	0.4	200	1450	Induction	10
A720-0.4A	0.4	200	1450	Induction	10
A720-0.4	0.4	200	1450	Induction	10
A720-0.4S	0.4	200	1450	Induction	10
A720-0.4A	0.4	200	1450	Induction	10
A720-0.4	0.4	200	1450	Induction	10
A720-0.4S	0.4	200	1450	Induction	10
A720-0.4A	0.4	200	1450	Induction	10
A720-0.4	0.4	200	1450	Induction	10
A720-0.4S	0.4	200	1450	Induction	10
A720-0.4A	0.4	200	1450	Induction	10
A720-0.4	0.4	200	1450	Induction	10
A720-0.4S	0.4	200	1450	Induction	10
A720-0.4A	0.4	200	1450	Induction	10
A720-0.4	0.4	200	1450	Induction	10
A720-0.4S	0.4	200	1450	Induction	10
A720-0.4A	0.4	200	1450	Induction	10
A720-0.4	0.4	200	1450	Induction	10
A720-0.4S	0.4	200	1450	Induction	10
A720-0.4A	0.4	200	1450	Induction	10
A720-0.4	0.4	200	1450	Induction	10
A720-0.4S	0.4	200	1450	Induction	10
A720-0.4A	0.4	200	1450	Induction	10
A720-0.4	0.4	200	1450	Induction	10
A720-0.4S	0.4	200	1450	Induction	10
A720-0.4A	0.4	200	1450	Induction	10
A720-0.4	0.4	200	1450	Induction	10
A720-0.4S	0.4	200	1450	Induction	10
A720-0.4A	0.4	200	1450	Induction	10
A720-0.4	0.4	200	1450	Induction	10
A720-0.4S	0.4	200	1450	Induction	10
A720-0.4A	0.4	200	1450	Induction	10
A720-0.4	0.4	200	1450	Induction	10
A720-0.4S	0.4	200	1450	Induction	10
A720-0.4A	0.4	200	1450	Induction	10
A720-0.4	0.4	200	1450	Induction	10
A720-0.4S	0.4	200	1450	Induction	10
A720-0.4A	0.4	200	1450	Induction	10
A720-0.4	0.4	200	1450	Induction	10
A720-0.4S	0.4	200	1450	Induction	10
A720-0.4A	0.4	200	1450	Induction	10
A720-0.4	0.4	200	1450	Induction	10
A720-0.4S	0.4	200	1450	Induction	10
A720-0.4A	0.4	200	1450	Induction	10
A720-0.4	0.4	200	1450	Induction	10
A720-0.4S	0.4	200	1450	Induction	10
A720-0.4A	0.4	200	1450	Induction	10
A720-0.4	0.4	200	1450	Induction	10
A720-0.4S	0.4	200	1450	Induction	10
A720-0.4A	0.4	200	1450	Induction	10
A720-0.4	0.4	200	1450	Induction	10
A720-0.4S	0.4	200	1450	Induction	10
A720-0.4A	0.4	200	1450	Induction	10
A720-0.4	0.4	200	1450	Induction	10
A720-0.4S	0.4	200	1450	Induction	10
A720-0.4A	0.4	200	1450	Induction	10
A720-0.4	0.4	200	1450	Induction	10
A720-0.4S	0.4	200	1450	Induction	10
A720-0.4A	0.4	200	1450	Induction	10
A720-0.4	0.4	200	1450	Induction	10
A720-0.4S	0.4	200	1450	Induction	10
A720-0.4A	0.4	200	1450	Induction	10
A720-0.4	0.4	200	1450	Induction	10
A720-0.4S	0.4	200	1450	Induction	10
A720-0.4A	0.4	200	1450	Induction	10
A720-0.4	0.4	200	1450	Induction	10
A720-0.4S	0.4	200	1450	Induction	10
A720-0.4A	0.4	200	1450	Induction	10
A720-0.4	0.4	200	1450	Induction	10
A720-0.4S	0.4	200	1450	Induction	10
A720-0.4A	0.4	200	1450	Induction	10
A720-0.4	0.4	200	1450	Induction	10
A720-0.4S	0.4	200	1450	Induction	10
A720-0.4A	0.4	200	1450	Induction	10
A720-0.4	0.4	200	1450	Induction	10
A720-0.4S	0.4	200	1450	Induction	10
A720-0.4A	0.4	200	1450	Induction	10
A720-0.4	0.4	200	1450	Induction	10
A720-0.4S	0.4	200	1450	Induction	10
A720-0.4A	0.4	200	1450	Induction	10
A720-0.4	0.4	200	1450	Induction	10
A720-0.4S	0.4	200	1450	Induction	10
A720-0.4A	0.4	200	1450	Induction	10
A720-0.4	0.4	200	1450	Induction	10
A720-0.4S	0.4	200	1450	Induction	10
A720-0.4A	0.4	200	1450	Induction	10
A720-0.4	0.4	200	1450	Induction	10
A720-0.4S	0.4	200	1450	Induction	10
A720-0.4A	0.4	200	1450	Induction	10
A720-0.4	0.4	200	1450	Induction	10
A720-0.4S	0.4	200	1450	Induction	10
A720-0.4A	0.4	200	1450	Induction	10
A720-0.4	0.4	200	1450	Induction	10
A720-0.4S	0.4	200	1450	Induction	10
A720-0.4A	0.4	200	1450	Induction	10
A720-0.4	0.4	200	1450	Induction	10
A720-0.4S	0.4	200	1450	Induction	10
A720-0.4A	0.4	200	1450	Induction	10
A720-0.4	0.4	200	1450	Induction	10
A720-0.4S	0.4	200	1450	Induction	10
A720-0.4A	0.4	200	1450	Induction	10
A720-0.4	0.4	200	1450	Induction	10
A720-0.4S	0.4	200	1450	Induction	10
A720-0.4A	0.4	200	1450	Induction	10
A720-0.4	0.4	200	1450	Induction	10
A720-0.4S	0.4	200	1450	Induction	10
A720-0.4A	0.4	200	1450	Induction	10
A720-0.4	0.4	200	1450	Induction	10
A720-0.4S	0.4	200	1450	Induction	10
A720-0.4A	0.4	200	1450	Induction	10
A720-0.4	0.4	200	1450	Induction	10
A720-0.4S	0.4	200	1450	Induction	10
A720-0.4A	0.4	200	1450	Induction	10
A720-0.4	0.4	200	1450	Induction	10
A720-0.4S	0.4	200	1450	Induction	10
A720-0.4A	0.4	200	1450	Induction	10
A720-0.4	0.4	200	1450	Induction	10
A720-0.4S	0.4	200	1450	Induction	10
A720-0.4A	0.4	200	1450	Induction	10
A720-0.4	0.4	200	1450	Induction	10
A720-0.4S	0.4	200	1450	Induction	10
A720-0.4A	0.4	200	1450	Induction	10
A720-0.4	0.4	200	1450	Induction	10
A720-0.4S	0.4	200	1450		

7. Tangki Bak Koagulasi

Specification of optional tanks



Model	Available capacity		Maximum capacity		Tank dimension (mm)											Weight (kg)
	ℓ	ℓ'	A	B	C	D	E	F	G	H(UB)	h(BC)	K	Tank Lie ²			
ZTF-100	100	130	500	600	3	450	450	134	316	125-225-3	3-L50-50-6	1/2 B Socket	43	3		
ZTF-150	150	182	550	700	3	562	450	144	306	130-30-3	3-L50-50-6	1/2 B Socket	61	4		
ZTF-200	200	256	650	700	3	520	450	153	287	130-30-3	3-L50-50-6	1/2 B Socket	60	5.5		
ZTF-300	300	351	700	850	3	652	500	172	327	140-40-3	4-L50-50-6	1/2 B Socket	77	5.5		
ZTF-400	400	478	800	850	3	655	500	192	308	140-40-3	4-L50-50-6	1/2 B Socket	68	6		
ZTF-500	500	606	850	950	3	770	500	202	298	140-40-3	4-L50-50-6	1/2 B Socket	106	9		
ZTF-800	800	663	1000	1100	3	900	550	240	310	140-40-5	4-100-50-5	1/2 B Socket	155	12		
ZTF-1000	1000	1177	1100	1100	3	910	550	250	290	140-40-5	4-100-50-5	1/2 B Socket	170	19		
ZTF-1500	1500	1721	1250	1245	4	1065	600	290	310	140-40-5	4-100-50-5	1/2 B Socket	290	24		
ZTF-2000	2000	2275	1300	1550	4	1345	600	298	302	150-50-6	4-125-65-6	1/2 B Socket	335	26		
ZTF-2000S	2000	2273	1400	1500	4	1135	600	318	282	150-50-6	4-125-65-6	1/2 B Socket	325	30		
ZTF-2500	2500	3073	1500	1550	4	1230	700	370	350	150-50-6	4-125-65-6	1/2 B JIS 10KF	406	34		
ZTF-3000	3000	3603	1500	1550	4	1510	700	370	350	150-50-6	4-125-65-6	1/2 B JIS 10KF	448	34		
ZTF-3000S	3000	3521	1600	1550	4	1290	750	400	350	150-50-6	4-125-65-6	1/2 B JIS 10KF	422	38		
ZTF-3500	3500	4125	1600	1550	4	1540	700	400	300	150-50-6	4-1150-75-9	1/2 B JIS 10KF	524	38		
ZTF-3500S	3500	4004	1700	1550	4	1330	800	430	370	150-50-6	4-1150-75-9	1/2 B JIS 10KF	514	43		
ZTF-4000	4000	4685	1700	1550	4	1550	800	430	370	165-65-6	4-1150-75-9	1 1/2 B JIS 10KF	575	45		
ZTF-4000S	4000	4520	1800	1500	4	1345	800	450	350	165-65-6	4-1150-75-9	1 1/2 B JIS 10KF	550	50		
ZTF-4500	4500	5285	1800	1550	5	1542	800	450	350	165-65-6	4-280-90-8	1 1/2 B JIS 10KF	750	50		
ZTF-5000	5000	5924	1900	1650	5	1530	900	500	400	165-65-6	4-280-90-8	2 B JIS 10KF	800	56		

*The side flange thickness of 1 St for A dimension up to 1000, and 2.0t for A dimension above that.
*Tank jacket is also available.

Spesifikasi :

- Merk : SATAKE
- Tipe : ZTF-2500
- Diameter : 1500 mm
- Kapasitas : Maksimal 3073 L


8. Pengaduk Bak Koagulasi

SATAKE PORTABLE MIXER

A720-A725

Medium-sized type

The A720 and A725 are compact and lightweight with integrated electrical control and safety. A new gear design brings high efficiency, which is suited to a wide range of uses. The number of motor shaft bearings is double (top-lip and bottom-shaft), leading to reliable operation and long service life. It is also available with explosion-proof motor.



PTM (portable tank mixer)
The A720 and A725 are compact and lightweight with integrated electrical control and safety. A new gear design brings high efficiency, which is suited to a wide range of uses. The number of motor shaft bearings is double (top-lip and bottom-shaft), leading to reliable operation and long service life. It is also available with explosion-proof motor.

PTM 900 (portable tank mixer)
The A720 and A725 are compact and lightweight with integrated electrical control and safety. A new gear design brings high efficiency, which is suited to a wide range of uses. The number of motor shaft bearings is double (top-lip and bottom-shaft), leading to reliable operation and long service life. It is also available with explosion-proof motor.

Standard specification

Model	Power (kW)	Capacity (L)	Motor	Speed (rpm)	Weight (kg)
A720-04	0.4	100	1/2HP	1450	40
A720-05	0.5	150	1/2HP	1450	45
A720-07	0.7	200	3/4HP	1450	50
A720-10	1.0	300	1HP	1450	60
A720-15	1.5	450	1.5HP	1450	75
A720-20	2.0	600	2HP	1450	90
A720-30	3.0	900	3HP	1450	135
A720-40	4.0	1200	4HP	1450	180
A720-55	5.5	1650	5.5HP	1450	247.5
A720-75	7.5	2250	7.5HP	1450	337.5
A720-100	10.0	3000	10HP	1450	450
A720-150	15.0	4500	15HP	1450	675
A720-200	20.0	6000	20HP	1450	900
A720-300	30.0	9000	30HP	1450	1350
A720-400	40.0	12000	40HP	1450	1800
A720-550	55.0	16500	55HP	1450	2475
A720-750	75.0	22500	75HP	1450	3375
A720-1000	100.0	30000	100HP	1450	4500

A general-purpose type with rich nostalgia that inherits the basic performance.

Substant graphs of mixing capacity (Medium-sized type)

Exceeded by motor velocity

Exceeded by particle, terminal velocity

Dimensional drawing

Standard specification

Model	Power (kW)	Capacity (L)	Motor	Speed (rpm)	Weight (kg)
A720-04	0.4	100	1/2HP	1450	40
A720-05	0.5	150	1/2HP	1450	45
A720-07	0.7	200	3/4HP	1450	50
A720-10	1.0	300	1HP	1450	60
A720-15	1.5	450	1.5HP	1450	75
A720-20	2.0	600	2HP	1450	90
A720-30	3.0	900	3HP	1450	135
A720-40	4.0	1200	4HP	1450	180
A720-55	5.5	1650	5.5HP	1450	247.5
A720-75	7.5	2250	7.5HP	1450	337.5
A720-100	10.0	3000	10HP	1450	450
A720-150	15.0	4500	15HP	1450	675
A720-200	20.0	6000	20HP	1450	900
A720-300	30.0	9000	30HP	1450	1350
A720-400	40.0	12000	40HP	1450	1800
A720-550	55.0	16500	55HP	1450	2475
A720-750	75.0	22500	75HP	1450	3375
A720-1000	100.0	30000	100HP	1450	4500

Spesifikasi :

- Merk : SATAKE

- Tipe : A720-1.5 B
- Power : 1.5 Kw

9. Lampu Ultraviolet Desinfektan



Spesifikasi :

- Merk : Ultra Aqua
- Tipe : Open Channel Horizontal 700 Series

10. Bak Pembunuh Clean In Place Reverse Osmosis



Spesifikasi :

- Merk : Profil Tank
- Tipe : TDA -550
- Diameter : 810 mm
- Kapasitas : Maksimal 550 L

11. Bak Pembunuh Antiscalant Reverse Osmosis



Spesifikasi :

- Merk : Profil Tank
- Tipe : TDA -250
- Diameter : 650 mm
- Kapasitas : Maksimal 250 L

12. Membran Cartridge Filter



HFSW1 type

Spesifikasi :

- Merk : Snowate
- Tipe : HFSWI-60
- Diameter : 60 inch mm
- Kapasitas : Maksimal Flow 45 m³/h

13. Cartridge Filter Housing



Spesifikasi :

- Merk : Snowate
- Tipe : SCPH-3L4
- Diameter : 500 mm
- Kapasitas : 3 Membran

14. Pompa High Pressure Reverse Osmosis



CR 95-1-1 A-F-A-E-HQQE

Spesifikasi :

- Merk : Grundfos
- Tipe : CR 95-1-1-A-F-A-E-HQQE
- Head : Maksimal Head 25.1 m

15. Membran Reverse Osmosis

High rejection BWRO, enhanced chemical tolerance

TM700D

Type	Diameter Inch	Membrane Area ft ² (m ²)	Salt Rejection %	Product Flow Rate gpd(m ³ / d)	Feed Spacer Thickness mil
TM710D	4"	87(8)	99.8	2,600(9.8)	31
TM720D-400	8"	400(37)	99.8	11,000(41.6)	34
TM720D-440	8"	440(41)	99.8	12,100(45.8)	28

Spesifikasi :

- Merk : Toray
- Tipe : TM720D-440
- Diameter : 8 inch

16. Vessel Membran Reverse Osmosis



Spesifikasi :

- Merk : ROPV Membran Vessel
- Tipe : 8 inch for 6 Membran
- Diameter : 8 inch
- Kapasitas : 6 Membran

17. Slurry Pump dari Bak Penampung ke Pengolahan Lumpur

Heavy Duty Slurry Pump – 1-Inch

MODEL #	
HD1K	
OPERATING LEVELS	
MIN FLOW	1 GPM
MAX FLOW	200 GPM
HEAD RANGE	Up to 170 ft
DISCHARGE SIZE	1 inch
SUCTION SIZE	1.5 inch
SOLIDS HANDLING	Solids up to 0.75 inches
MOTOR SPEED	1800 RPM, 3600 RPM
PERCENT SOLIDS	Up to 40-70% Solids
PRODUCTION RATE	0-15 yd ³ /min/hr
LARGEST PARTICLES	0.75 inch



*Typical Deployment Photo. Slurry pumps can be deployed vertically or horizontally. Photos for general guidance. Contact us for further details.

Spesifikasi :

- Merk : Eddy Pump
- Tipe : Heavy Duty Slurry Pump – 1 inch
- Head Max : 170 ft

18. Slurry Pump dari Sedimentasi ke Bak Penampung Lumpur

Heavy Duty Slurry Pump – 3-Inch

MODEL #	
HD 3000	
OPERATING LEVELS	
MIN FLOW	100 GPM
MAX FLOW	750 GPM
HEAD RANGE	Up to 130 ft
DISCHARGE SIZE	3 inch
SUCTION SIZE	4 inch
SOLIDS HANDLING	Solids up to 2 inches
MOTOR SPEED	1800 RPM
PERCENT SOLIDS	Up to 40-70% Solids
PRODUCTION RATE	45-75 yd ³ /hr



*Typical Deployment Photo. Slurry pumps can be deployed vertically or horizontally. Photos for general guidance. Contact us for further details.

Spesifikasi :

- Merk : Eddy Pump
- Tipe : Heavy Duty Slurry Pump – 3 inch
- Head Max : 130 ft

19. Spesifikasi Pipa HDPE


RUCIKA







BLACK

DAFTAR HARGA

PIPA HDPE

Aplikasi Pipa Polyethylene
untuk Jaringan Air Minum



Efektif: 20 Juni 2023












DN		PE-100											
		SDR 9 (PN 20)		SDR 11 (PN 16)		SDR 13,6 (PN 12,5)		SDR 17 (PN 10)		SDR 21 (PN 8)		SDR 26 (PN 6)	
(mm)	(inch)	Tebal (mm)	Harga (Rp)	Tebal (mm)	Harga (Rp)	Tebal (mm)	Harga (Rp)	Tebal (mm)	Harga (Rp)	Tebal (mm)	Harga (Rp)	Tebal (mm)	Harga (Rp)
20	3/4"	2,30	-	1,90	6.700	-	-	-	-	-	-	-	-
25	1"	2,80	-	2,30	10.100	-	-	-	-	-	-	-	-
32	1 1/4"	3,60	-	2,90	16.200	-	-	-	-	-	-	-	-
40	1 1/2"	4,50	-	3,70	25.600	-	-	-	-	-	-	-	-
50	2"	5,60	-	4,60	39.600	3,70	32.600	3,00	27.100	-	-	-	-
63	2 1/2"	7,10	-	5,80	62.600	4,70	52.000	3,80	42.800	3,00	34.200	-	-
75	3"	8,40	105.200	6,80	87.400	5,50	72.400	4,50	60.300	3,60	49.100	-	-
90	3 1/2"	10,10	151.800	8,20	126.700	6,60	104.100	5,40	86.700	4,30	70.300	3,50	57.400
110	4"	12,30	225.200	10,00	167.700	8,10	156.000	6,60	129.000	5,30	105.500	4,30	88.800
125*	5"	14,00	291.300	11,40	243.600	9,20	201.100	7,40	164.600	6,00	134.900	4,80	109.600
140		15,70	364.900	12,70	-	10,30	-	8,30	-	6,70	-	5,40	-
160	6"	17,80	475.200	14,60	398.400	11,80	328.600	9,50	269.600	7,70	221.400	6,20	180.000
180*		20,10	601.200	16,40	-	13,30	417.100	10,70	341.100	8,60	-	6,90	-
200	8"	22,40	743.400	18,20	621.000	14,70	511.500	11,90	420.700	9,60	344.700	7,70	279.400
225*		25,20	940.900	20,50	785.900	16,60	649.600	13,40	533.700	10,80	435.600	8,60	351.400
250	10"	27,90	1.158.300	22,70	967.600	18,40	799.500	14,80	654.000	11,90	533.200	9,60	438.000
280*		31,30	1.453.500	25,40	1.211.800	20,50	1.000.500	16,60	821.700	13,40	672.800	10,70	543.000
315	12"	35,20	1.841.700	28,60	1.535.500	23,20	1.268.800	18,70	1.040.400	15,00	845.400	12,10	692.600
355	14"	39,70	2.335.300	32,20	1.946.800	26,10	1.610.800	21,10	1.323.900	16,90	1.073.600	13,60	874.100
400	16"	44,70	2.962.100	36,30	2.471.800	29,40	2.043.300	23,70	1.673.300	19,10	1.368.600	15,30	1.108.500
450*	18"	50,30	3.750.400	40,90	3.130.600	33,10	2.586.600	26,70	2.120.100	21,50	1.730.800	17,20	1.401.500
500	20"	55,80	4.621.500	45,40	3.862.100	36,80	3.189.800	29,60	2.611.600	23,90	2.135.400	19,10	1.728.900
560*	22"	62,20	5.798.300	50,80	4.838.400	41,20	4.003.400	33,20	3.281.500	26,70	2.699.600	21,40	2.167.100
630	24"	70,00	7.337.200	57,20	6.130.300	46,30	5.064.900	37,30	4.148.300	30,00	3.376.100	24,10	2.745.900
710	28"	-	-	-	-	-	6.431.500	42,10	5.272.900	33,90	4.298.300	27,20	3.489.900
800	-	-	-	-	-	-	-	47,4	6.687.300	38,1	5.541.600	30,6	4.496.000
900	-	-	-	-	-	-	-	53,3	8.602.700	42,9	7.011.700	34,4	5.709.100
1000	-	-	-	-	-	-	-	59,3	10.627.900	47,7	8.662.800	38,2	7.016.600

*BERDASARKAN PERMINTAAN

Note :
 1. HARGA BELUM TERMASUK PPN 11%, LOKO PABRIK DI CIBITUNG, BEKASI DIATAS TRUK
 2. HARGA DAPAT BERUBAH SEWAKTU-WAKTU TANPA PEMBERITAHUAN TERLEBIH DAHULU
 3. STANDARD: SNI 4829 2-2015; ISO 4427-2007
 4. MATERIAL PE -100

PT WAHANA DUTA JAYA RUCIKA
 ALIA Building 7th Floor, Jl. HJ Ridwan Rais 10-18,
 Jakarta 10110 - INDONESIA
 Telp: (021) 386 7717
 Fax: (021) 386 7686
 Email: info@rucika.co.id

www.rucika.co.id

20. Aksesoris Pipa HDPE

Aplikasi Pipa Polyethylene
untuk Jaringan Air Minum

RUCIKA

BLACK

DAFTAR HARGA FITTING SEGMENTED HDPE

BEND 45DGR SEGMENTED

DN (mm)	Price / Unit (Rp/Unit)
63	172,000
75	207,000
90	243,000
110	360,000
160	764,000
200	1,191,000
250	2,093,000
315	2,944,000
355	4,168,000
400	4,781,000
450	6,400,000
500	7,929,000
560	8,177,000
630	12,302,000

STUB END INJECTION MOLDING

DN (mm)	Price / Unit (Rp/Unit)
63	76,000
75	129,000
90	161,000
110	377,000
160	557,000
200	1,089,000
250	1,407,000
315	2,795,000
355	3,848,000
400	5,361,000
450	6,711,000
500	8,247,000
630	18,371,000

BEND 90DGR SEGMENTED

DN (mm)	Price / Unit (Rp/Unit)
63	166,000
75	250,000
90	251,000
110	333,000
160	718,000
200	1,230,000
250	2,093,000
315	3,042,000
355	4,793,000
400	5,498,000
450	7,360,000
500	9,002,000
560	9,403,000
630	15,540,000

FLANGE

DN (mm)	Price / Unit (Rp/Unit)
63	147,000
75	194,000
90	240,000
110	367,000
160	588,000
200	902,000
250	1,177,000
315	2,445,000
400	4,584,000

REDUCER INJECTION MOLDING

DN (mm)	Price / Unit (Rp/Unit)
90 X 75	363,000
90 X 63	305,000
110x63	363,000
110 X 90	465,000
160 X 90	756,000
160 X 110	814,000
200 X 160	1,571,000
200 X 110	1,394,000
250 X 160	2,541,000
250 X 200	2,730,000
315 X 200	6,041,000
315 X 250	6,346,000

EQUAL TEE SEGMENTED

DN (mm)	Price / Unit (Rp/Unit)
63	294,000
75	328,000
90	259,000
110	384,000
160	965,000
200	1,276,000
250	1,979,000
315	3,140,000
355	4,442,000
400	5,953,000
450	8,333,000
500	9,790,000
560	12,878,000
630	18,541,000

CAP INJECTION MOLDING

DN (mm)	Price / Unit (Rp/Unit)
63	169,000
75	218,000
90	276,000
110	410,000
160	901,000
200	1,743,000
250	2,832,000

UNEQUAL TEE SEGMENTED + INJECTION MOLDING

DN (mm)	Price / Unit (Rp/Unit)
90 X 75	622,000
90 X 63	564,000
110 x63	747,000
110 X 90	849,000
160 X 90	1,720,000
160 X 110	3,779,000
200 X 160	2,840,000
200 X 110	2,664,000
250 X 160	4,520,000
250 X 200	4,709,000
315 X 200	9,181,000
315 X 250	9,485,000

Note :

- Harga Belum Termasuk PPN 11%; Loko Pabrik Di Cibitung, Bekasi Diatas Truk
- Harga Dapat Berubah Sewaktu-waktu Tanpa Pemberitahuan Terlebih Dahulu
- Standard: SNI 4829.2:2015; ISO 4427-2007
- Material PE - 100

LAMPIRAN B

GAMBAR DENAH DAN POTONGAN UNIT PENGOLAHAN



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**PERANCANGAN BANGUNAN
PENGOLAHAN AIR MINUM**

DOSEN PENGAMPU

**PROF. DR. IR. NOVIRINA H, M.T.
AUSSIE AMALIA, S.T., M.Sc.**

DOSEN PEMBIMBING

**FIRRA ROSARIAWARI S.T., M.T.
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MAHASISWA

NPM

ZAHRA RAHIMAPUTRI RALANITA
HANIF FAIZAH EKA FEDIYANI

22034010009
22034010044

GAMBAR

**LAYOUT INSTALASI
PENGOLAHAN AIR MINUM**

SKALA

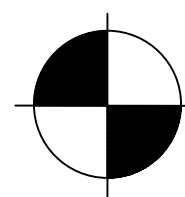
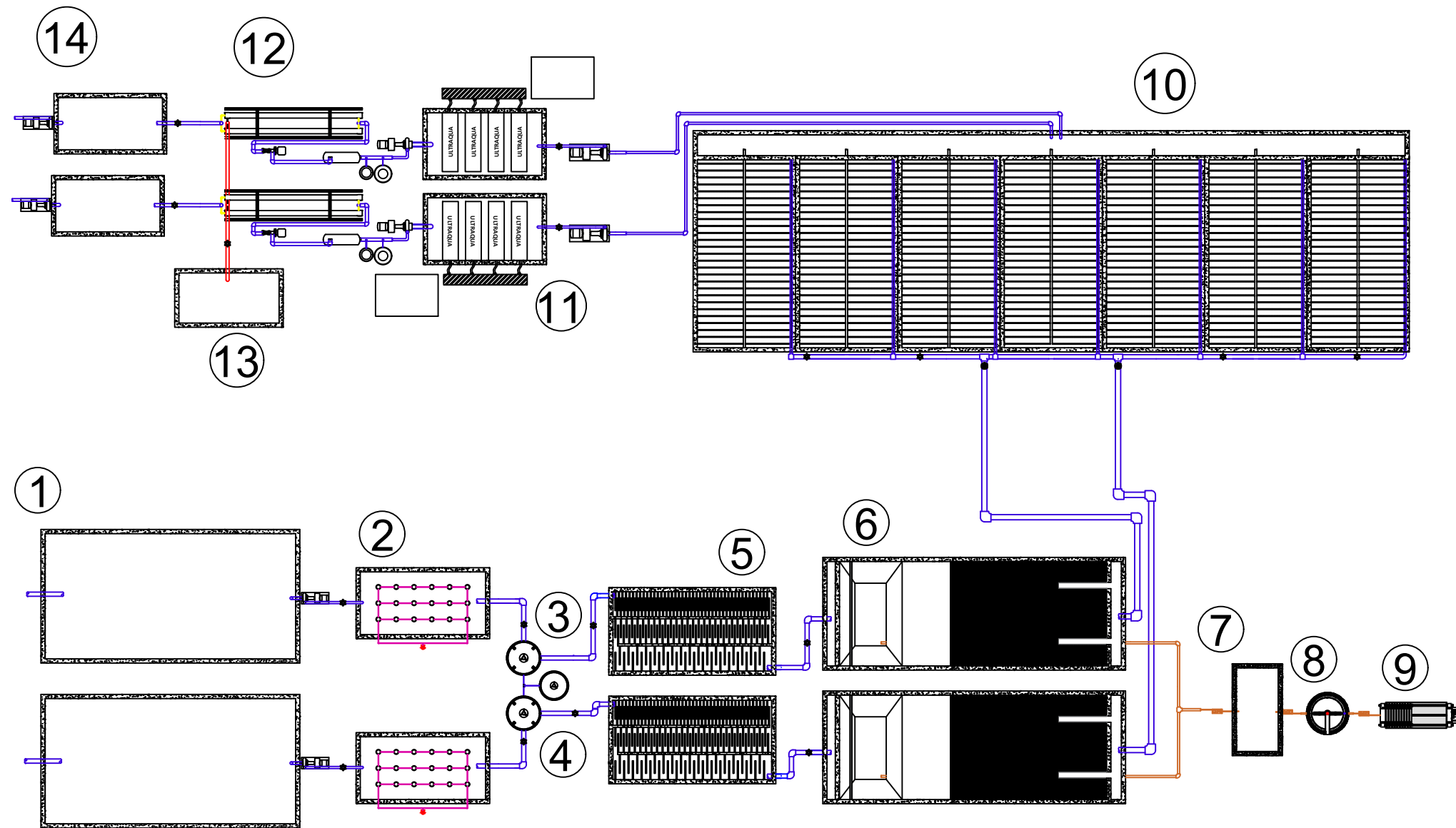
SATUAN

1 : 250

CENTIMETER

KETERANGAN

- | | |
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| 1. BAK PENAMPUNG | 8. SLUDGE THICKENER |
| 2. BAK AERASI | 9. BELT FILTER PRESS |
| 3. BAK PEMBUBUH
KOAGULASI | 10. BAK FILTRASI |
| 4. BAK KOAGULASI | 11. ULTRAVIOLET
DESINFEKTAN |
| 5. FLOKULASI | 12. REVERSE OSMOSIS |
| 6. SEDIMENTASI | 13. BAK PENAMPUNG AIR
REJECT REVERSE |
| 7. BAK PENAMPUNG
LUMPUR | 14. BAK RESERVOIR |
- : ALIRAN AIR ■ : ALIRAN LUMPUR
■ : ALIRAN AIR REJECT



LAYOUT INSTALASI PENGOLAHAN AIR MINUM

Skala 1 : 250



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PROFIL HIDROLIS

SKALA

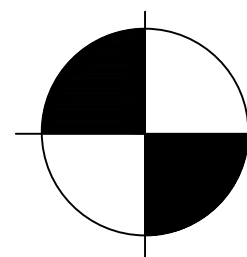
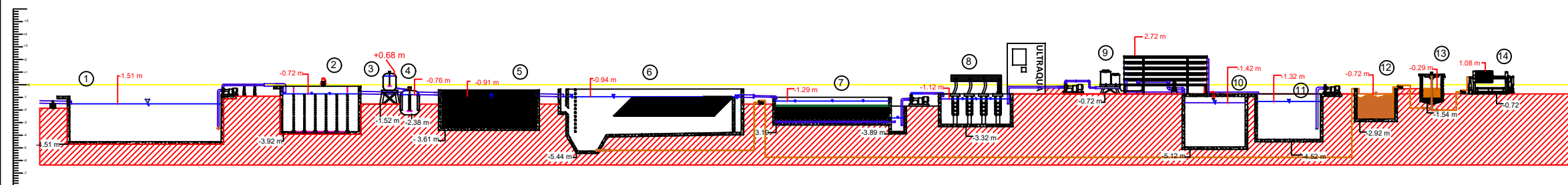
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1 : 400

CENTIMETER

KETERANGAN

- | | |
|-------------------------------|-----------------------------|
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| 2. BAK AERASI | 10. BAK REJECT |
| 3. BAK PEMBUBUH
KOAGULASI | REVERSE OSMOSIS |
| 4. BAK KOAGULASI | 11. BAK RESERVOIR |
| 5. FLOKULASI | 12. BAK PENAMPUNG
LUMPUR |
| 6. SEDIMENTASI | 13. SLUDGE THICKENER |
| 7. FILTRASI | 14. BELT FILTER PRESS |
| 8. ULTRAVIOLET
DESINFEKTAN | |
- : TITIK NOL
 : ALIRAN LUMPUR
 : ALIRAN AIR



PROFIL HIDROLIS

Skala 1 : 400



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PROFIL HIDROLIS

SKALA

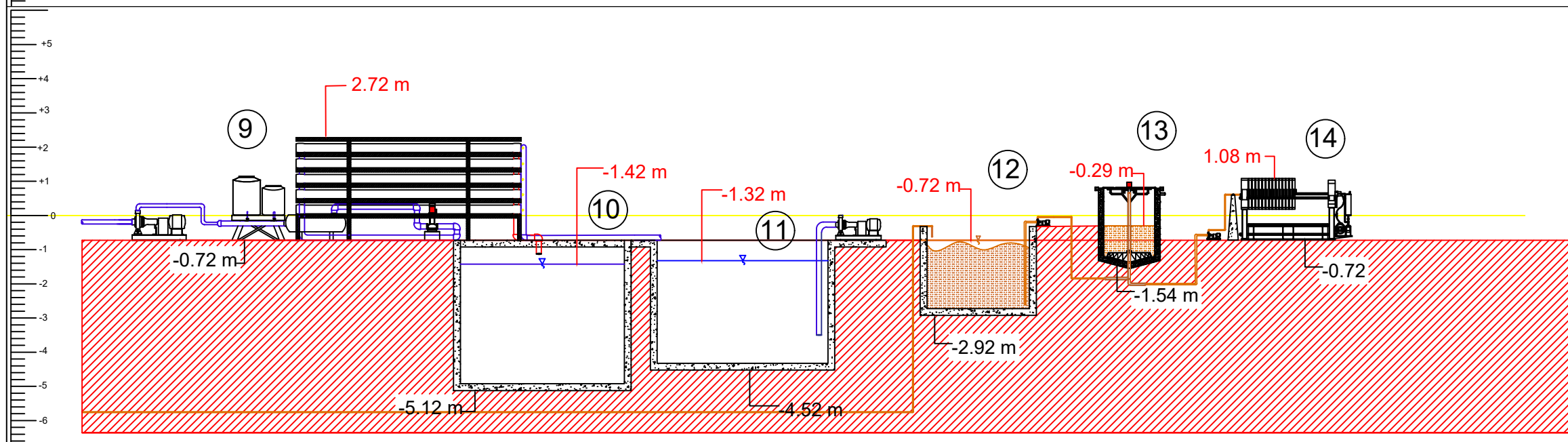
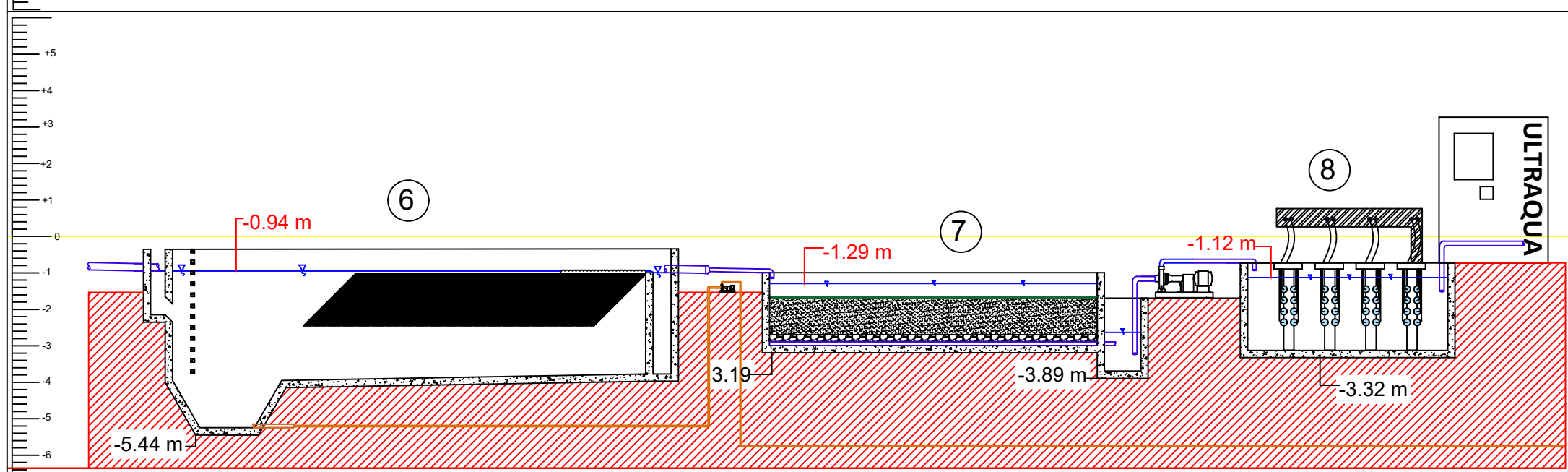
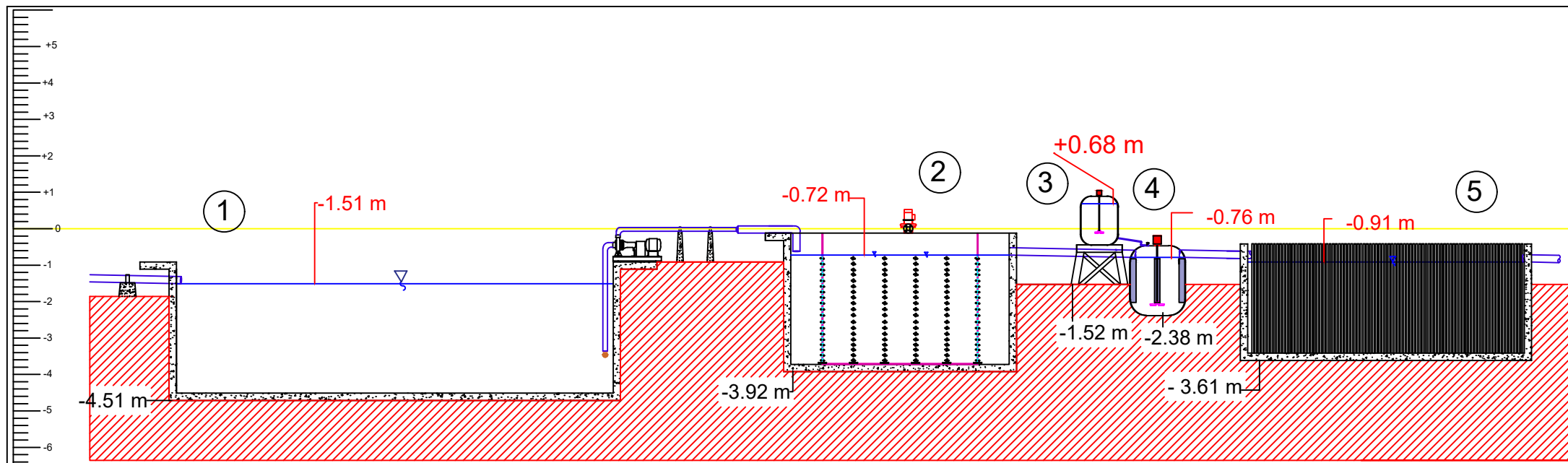
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CENTIMETER

KETERANGAN

- | | |
|-------------------------------|-----------------------------------|
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| 2. BAK AERASI | 10. BAK REJECT
REVERSE OSMOSIS |
| 3. BAK PEMBUBUH
KOAGULASI | 11. BAK RESERVOIR |
| 4. BAK KOAGULASI | 12. BAK PENAMPUNG
LUMPUR |
| 5. FLOKULASI | 13. SLUDGE THICKENER |
| 6. SEDIMENTASI | 14. BELT FILTER PRESS |
| 7. FILTRASI | |
| 8. ULTRAVIOLET
DESINFEKTAN | |
- : TITIK NOL
■ : ALIRAN LUMPUR
■ : PIPA AIR REJECT
■ : ALIRAN AIR





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DENAH BAK PENAMPUNG

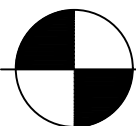
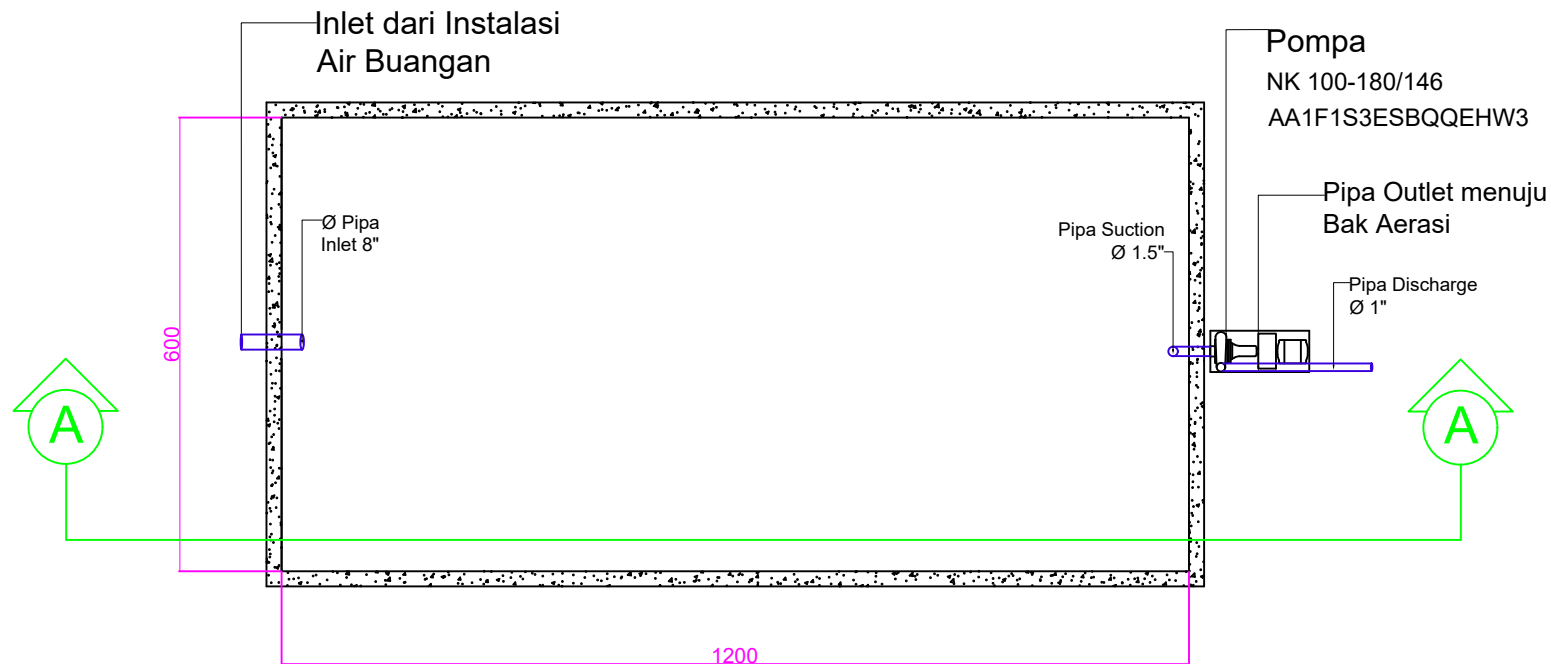
SKALA

SATUAN

1 : 100

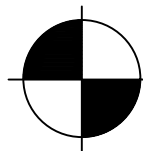
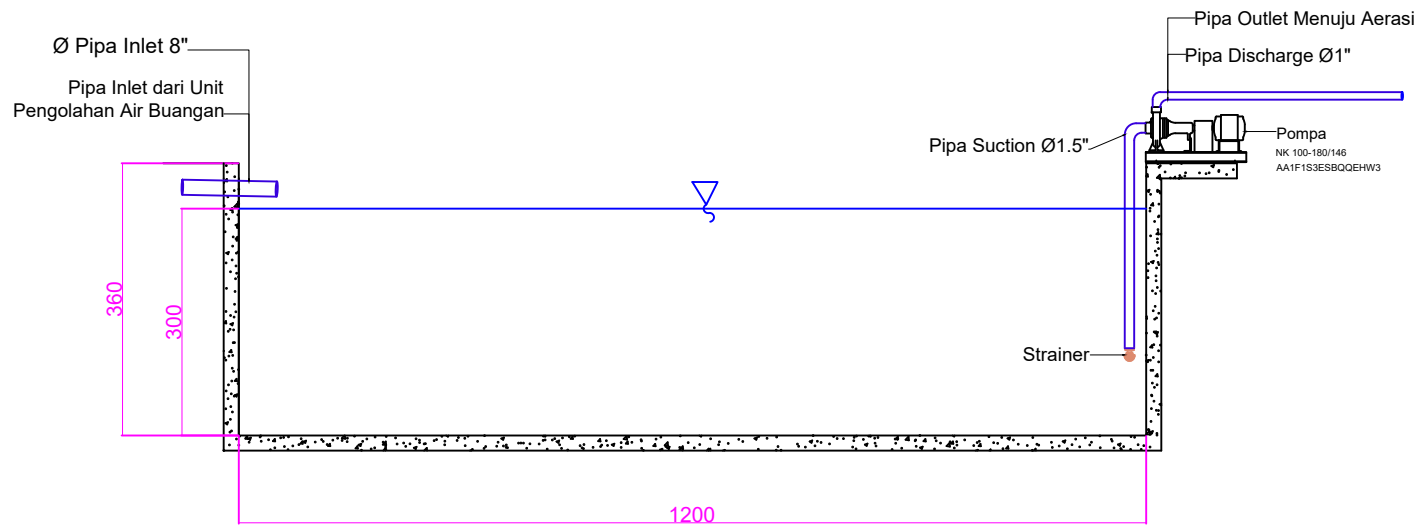
CENTIMETER

KETERANGAN



DENAH BAK PENAMPUNG

Skala 1 : 100



POTONGAN A-A BAK PENAMPUNG

Skala 1 : 100



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**POTONGAN A-A
BAK PENAMPUNG**

SKALA

SATUAN

1 : 100

CENTIMETER

KETERANGAN



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**PERANCANGAN BANGUNAN
PENGOLAHAN AIR MINUM**

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22034010044

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DENAH BAK AERASI

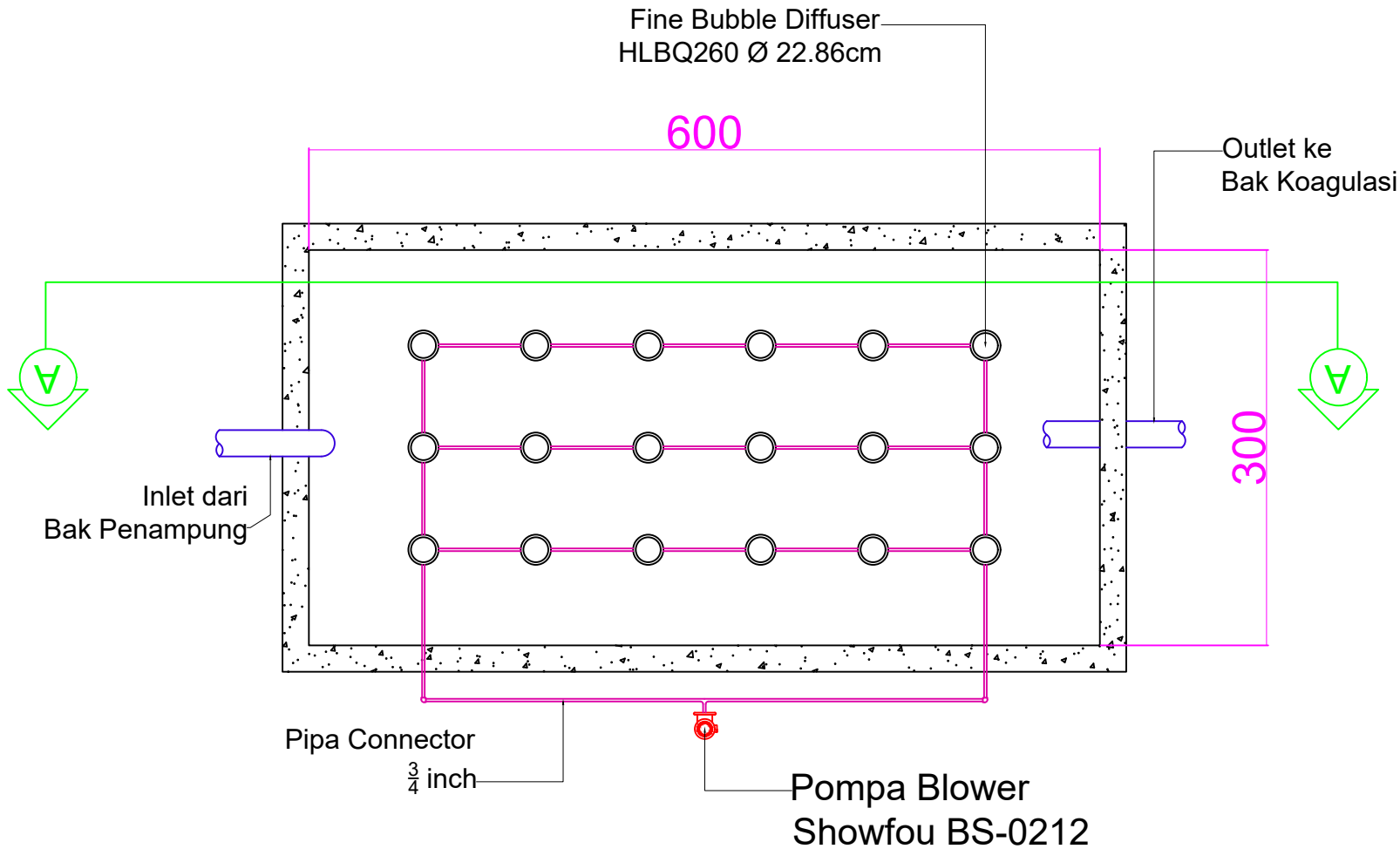
SKALA

SATUAN

1 : 50

CENTIMETER

KETERANGAN



DENAH BAK AERASI
Skala 1 : 50



UNIVERSITAS PEMBANGUNAN NASIONAL
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22034010044

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**POTONGAN A-A BAK
AERASI**

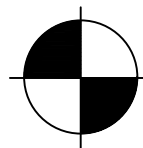
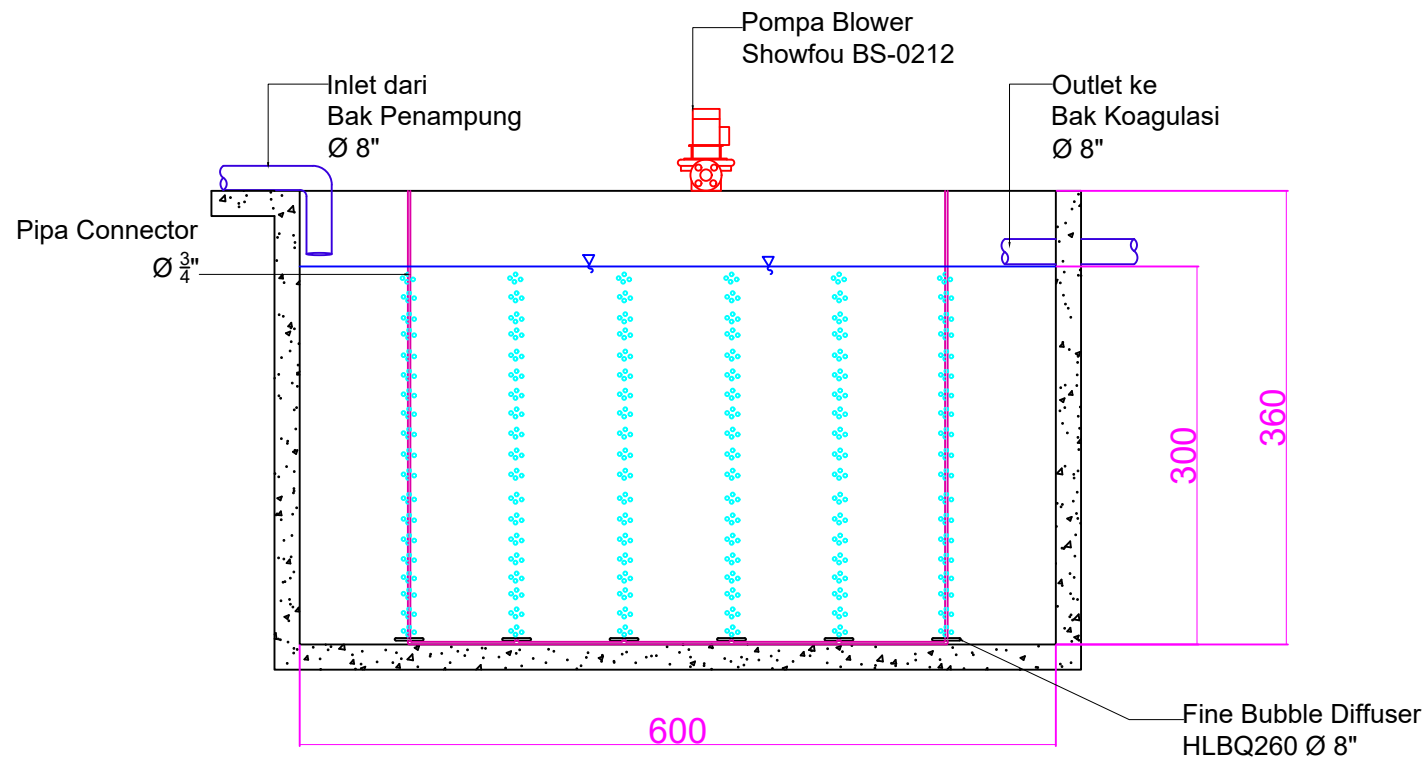
SKALA

SATUAN

1 : 60

CENTIMETER

KETERANGAN



POTONGAN A-A BAK AERASI

Skala 1 : 60



UNIVERSITAS PEMBANGUNAN NASIONAL
"VETERAN" JAWA TIMUR
PROGRAM STUDI TEKNIK LINGKUNGAN

TUGAS

PERANCANGAN BANGUNAN
PENGOLAHAN AIR MINUM

DOSEN PENGAMPU

PROF. DR. IR. NOVIRINA H, M.T.
AUSSIE AMALIA, S.T., M.Sc.

DOSEN PEMBIMBING

FIRRA ROSARIAWARI S.T., M.T.
R MOHAMMAD ALGHAF D, S.T., M.T.

MAHASISWA

NPM

ZAHRA RAHIMAPUTRI RALANITA
HANIF FAIZAH EKA FEDIYANI

22034010009
22034010044

GAMBAR

DENAH BAK KOAGULASI

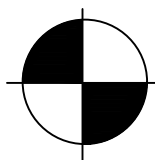
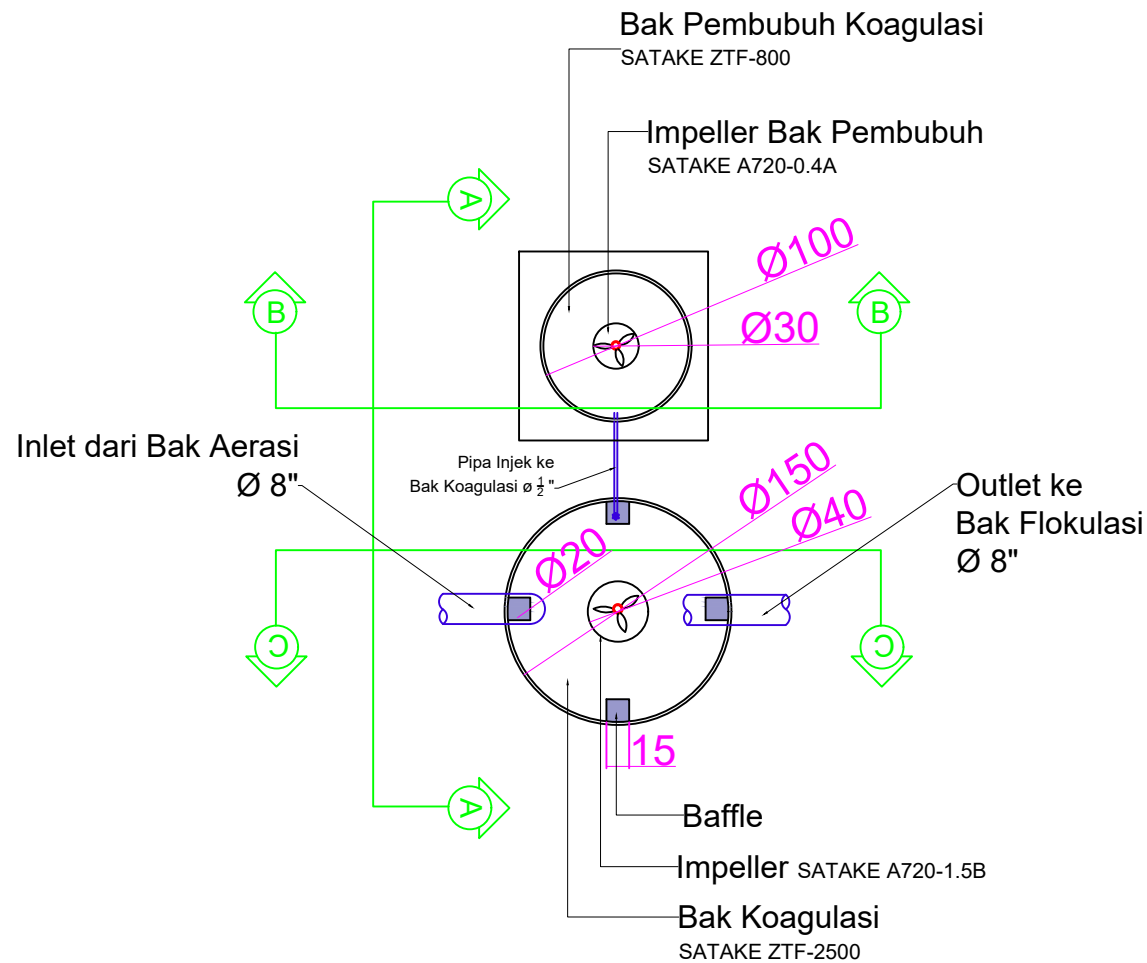
SKALA

SATUAN

1 : 50

CENTIMETER

KETERANGAN



DENAH BAK KOAGULASI

Skala 1 : 50



UNIVERSITAS PEMBANGUNAN NASIONAL
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TUGAS

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**POTONGAN A-A
BAK KOAGULASI**

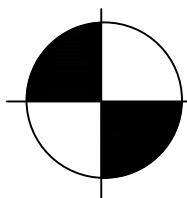
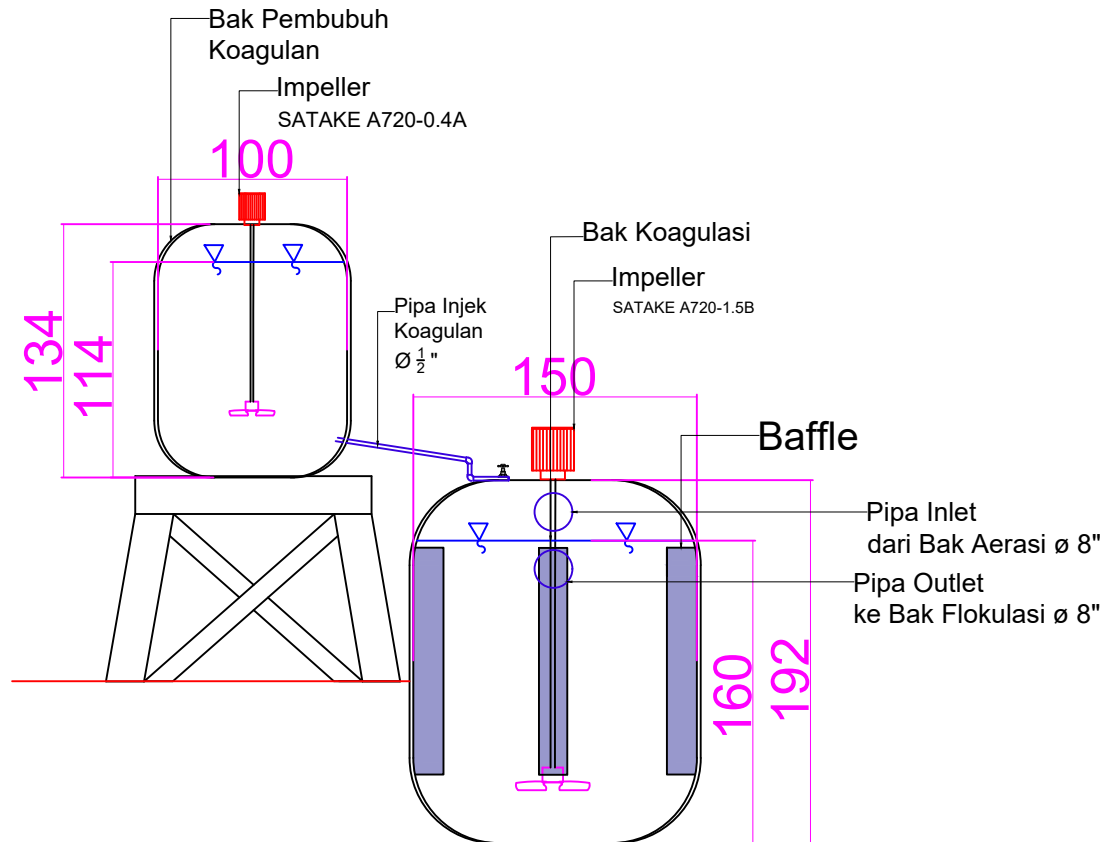
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SATUAN

1 : 40

CENTIMETER

KETERANGAN



POTONGAN A-A BAK KOAGULASI

Skala 1 : 40



UNIVERSITAS PEMBANGUNAN NASIONAL
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**POTONGAN B-B & C-C
BAK KOAGULASI**

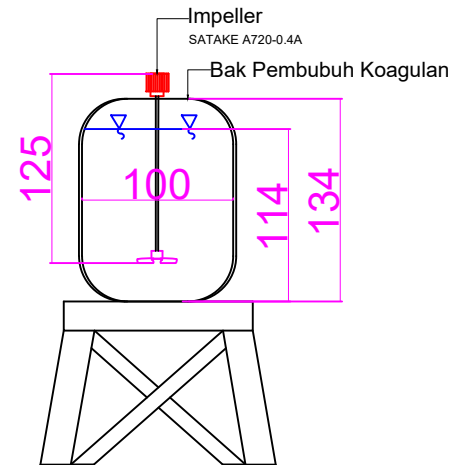
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SATUAN

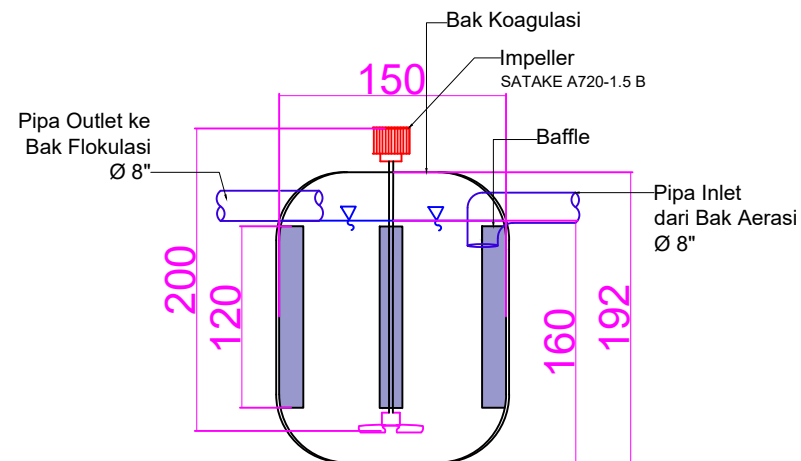
1 : 50

CENTIMETER

KETERANGAN



POTONGAN B-B BAK KOAGULASI
Skala 1 : 50



POTONGAN C-C BAK KOAGULASI
Skala 1 : 50



UNIVERSITAS PEMBANGUNAN NASIONAL
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TUGAS

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DENAH BAK FLOKULASI

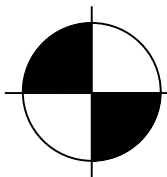
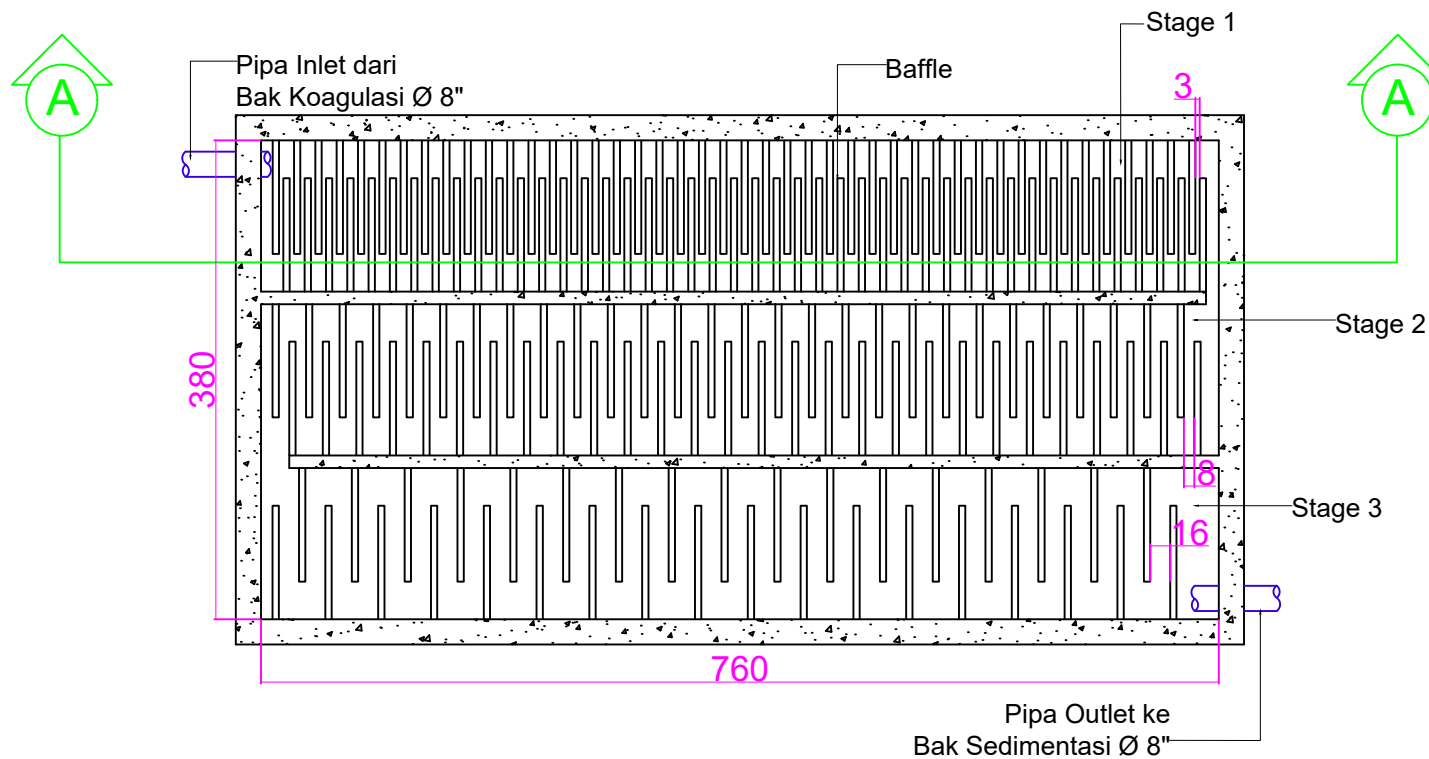
SKALA

SATUAN

1 : 60

CENTIMETER

KETERANGAN



DENAH BAK FLOKULASI

Skala 1 : 60



UNIVERSITAS PEMBANGUNAN NASIONAL
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POTONGAN A-A
BAK KOAGULASI

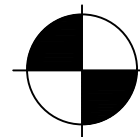
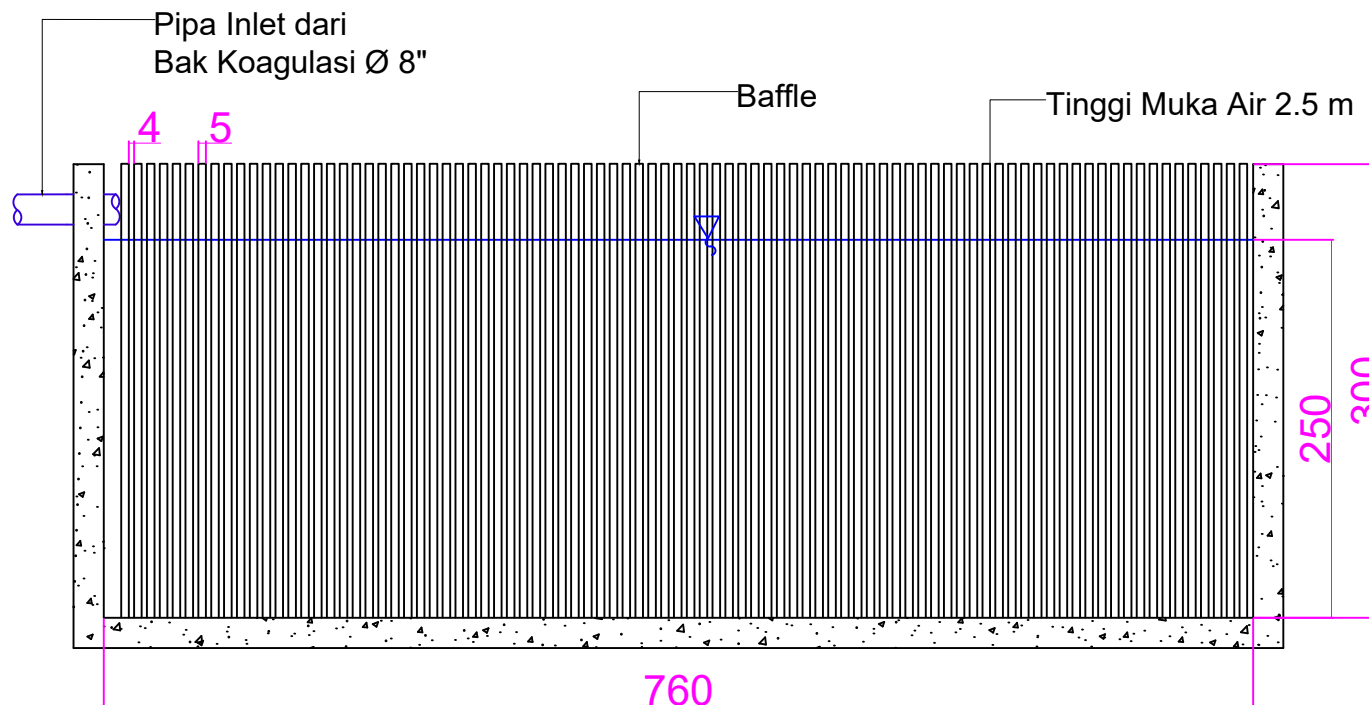
SKALA

SATUAN

1 : 50

CENTIMETER

KETERANGAN



POTONGAN A-A BAK FLOKULASI

Skala 1 : 50



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DENAH SEDIMENTASI

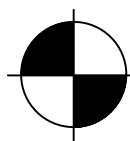
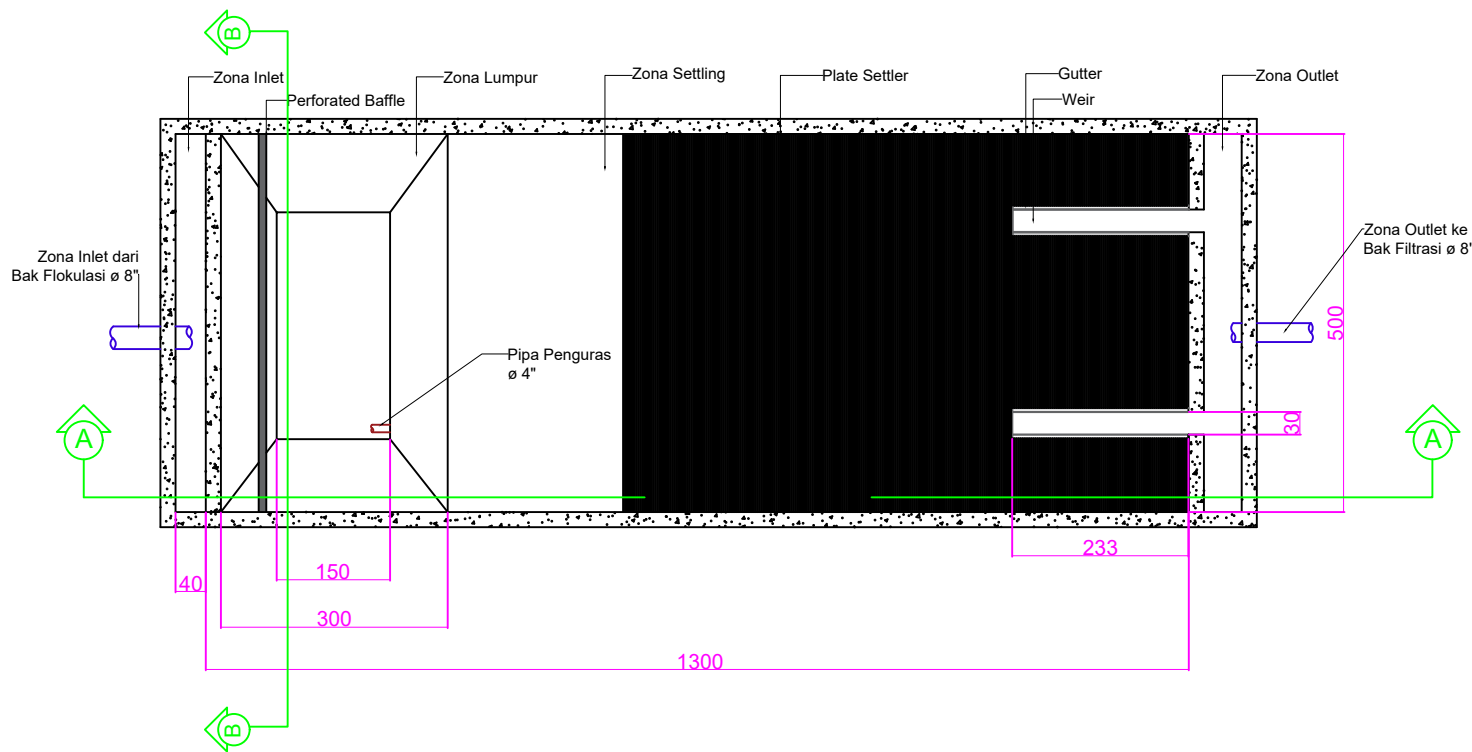
SKALA

SATUAN

1 : 100

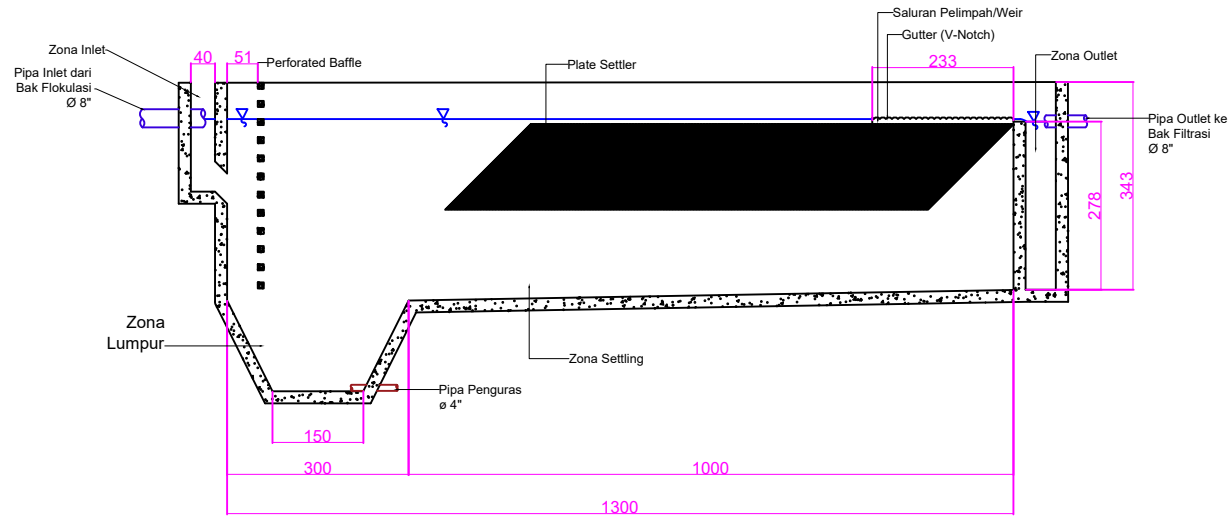
CENTIMETER


KETERANGAN

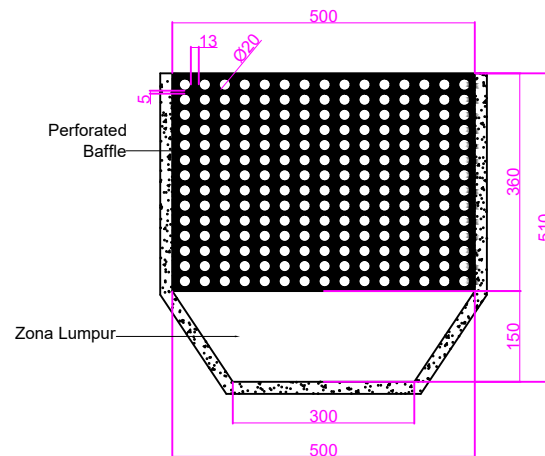



DENAH BAK SEDIMENTASI

Skala 1 : 100



 **POTONGAN A-A BAK SEDIMENTASI**
Skala 1 : 100



 **POTONGAN B-B BAK SEDIMENTASI**
Skala 1 : 125



UNIVERSITAS PEMBANGUNAN NASIONAL
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TUGAS

**PERANCANGAN BANGUNAN
PENGOLAHAN AIR MINUM**

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**POTONGAN B-B & C-C
BAK SEDIMENTASI**

SKALA

SATUAN

1 : 125

CENTIMETER

KETERANGAN



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TUGAS

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DENAH BAK FILTRASI

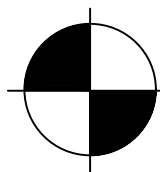
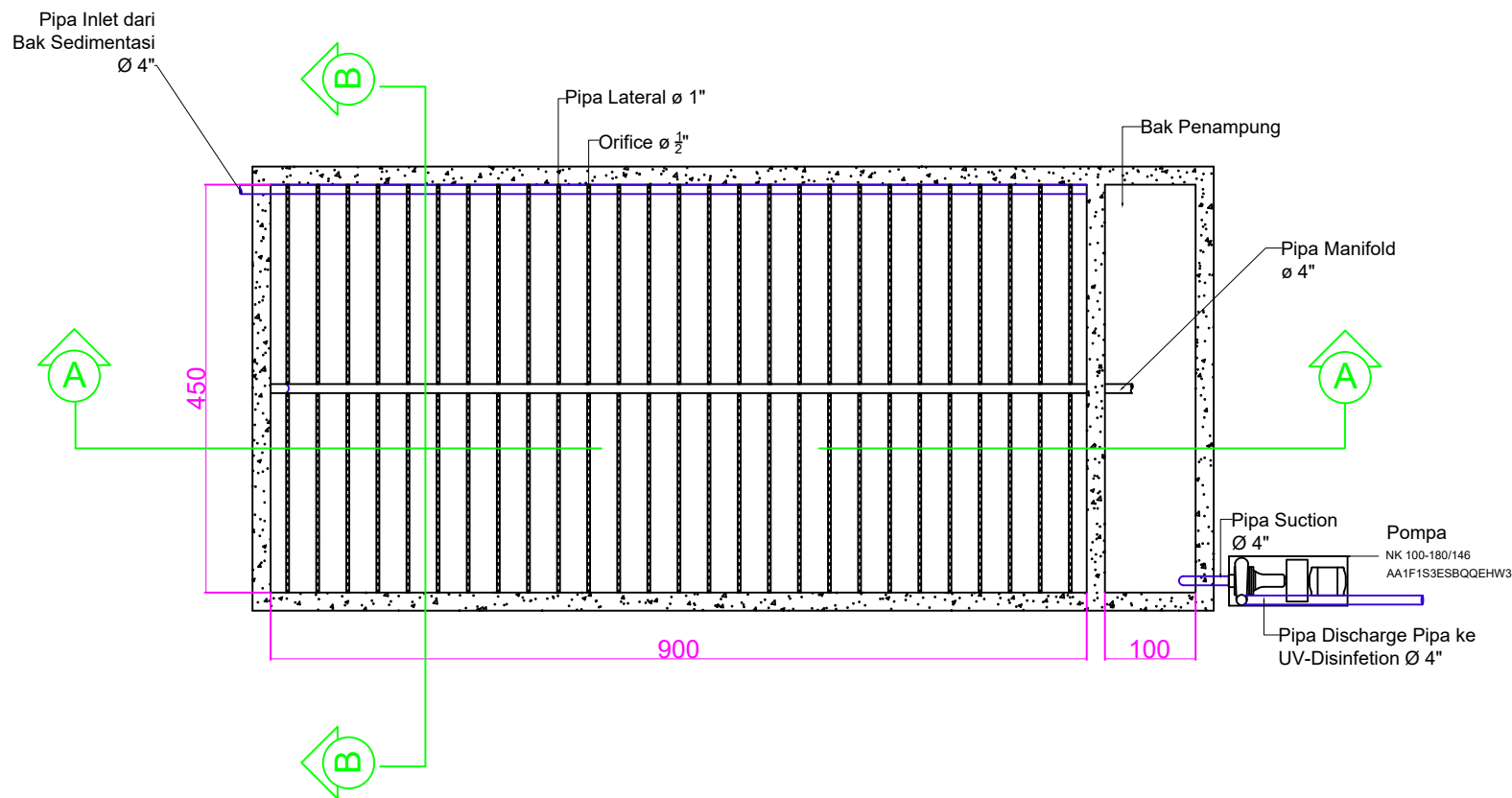
SKALA

SATUAN

1 : 80

CENTIMETER

KETERANGAN



DENAH BAK FILTRASI

Skala 1 : 80



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**POTONGAN A-A
BAK FILTRASI**

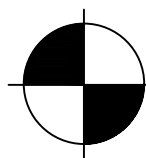
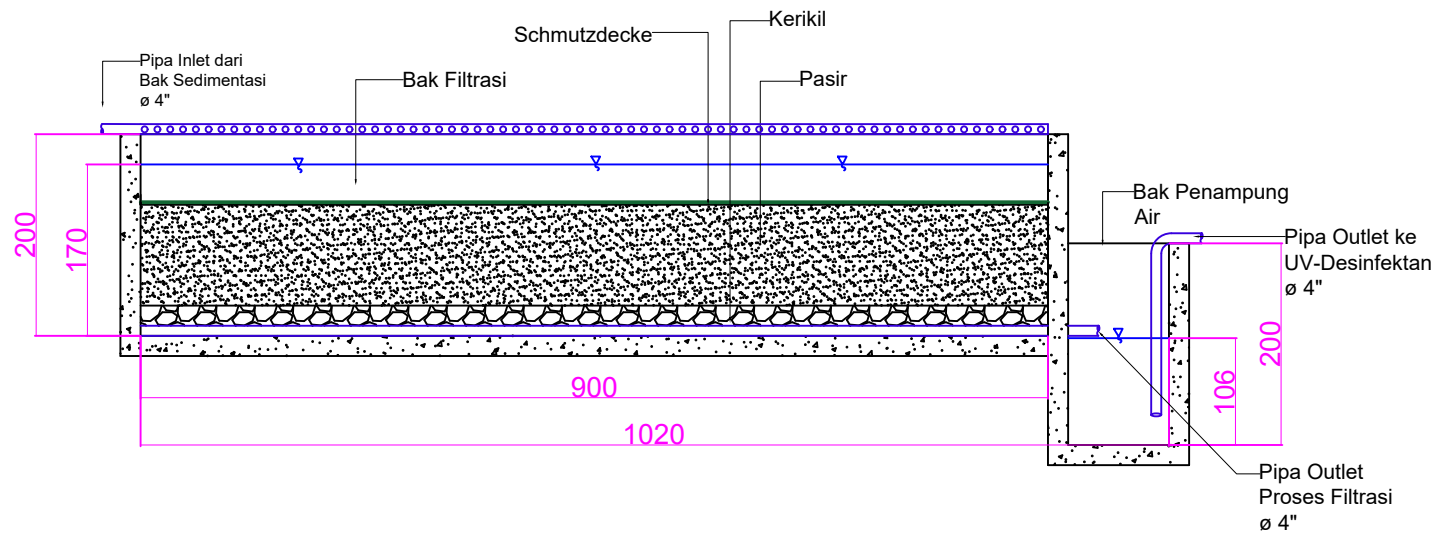
SKALA

SATUAN

1 : 75

CENTIMETER

KETERANGAN



POTONGAN A-A BAK FILTRASI

Skala 1 : 75



UNIVERSITAS PEMBANGUNAN NASIONAL
"VETERAN" JAWA TIMUR
PROGRAM STUDI TEKNIK LINGKUNGAN

TUGAS

**PERANCANGAN BANGUNAN
PENGOLAHAN AIR MINUM**

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**POTONGAN B-B
BAK FILTRASI**

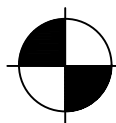
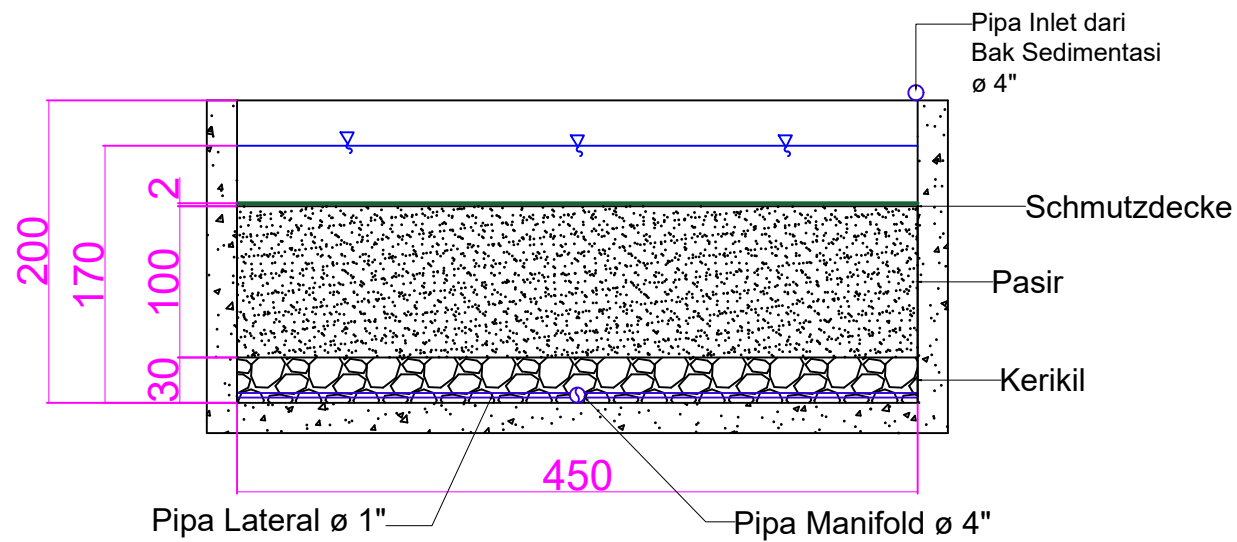
SKALA

SATUAN

1 : 50

CENTIMETER

KETERANGAN



POTONGAN B-B BAK FILTRASI

Skala 1 : 50



UNIVERSITAS PEMBANGUNAN NASIONAL
"VETERAN" JAWA TIMUR
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TUGAS

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PENGOLAHAN AIR MINUM

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GAMBAR

DENAH ULTRAVIOLET
DESINFEKTAN

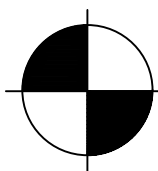
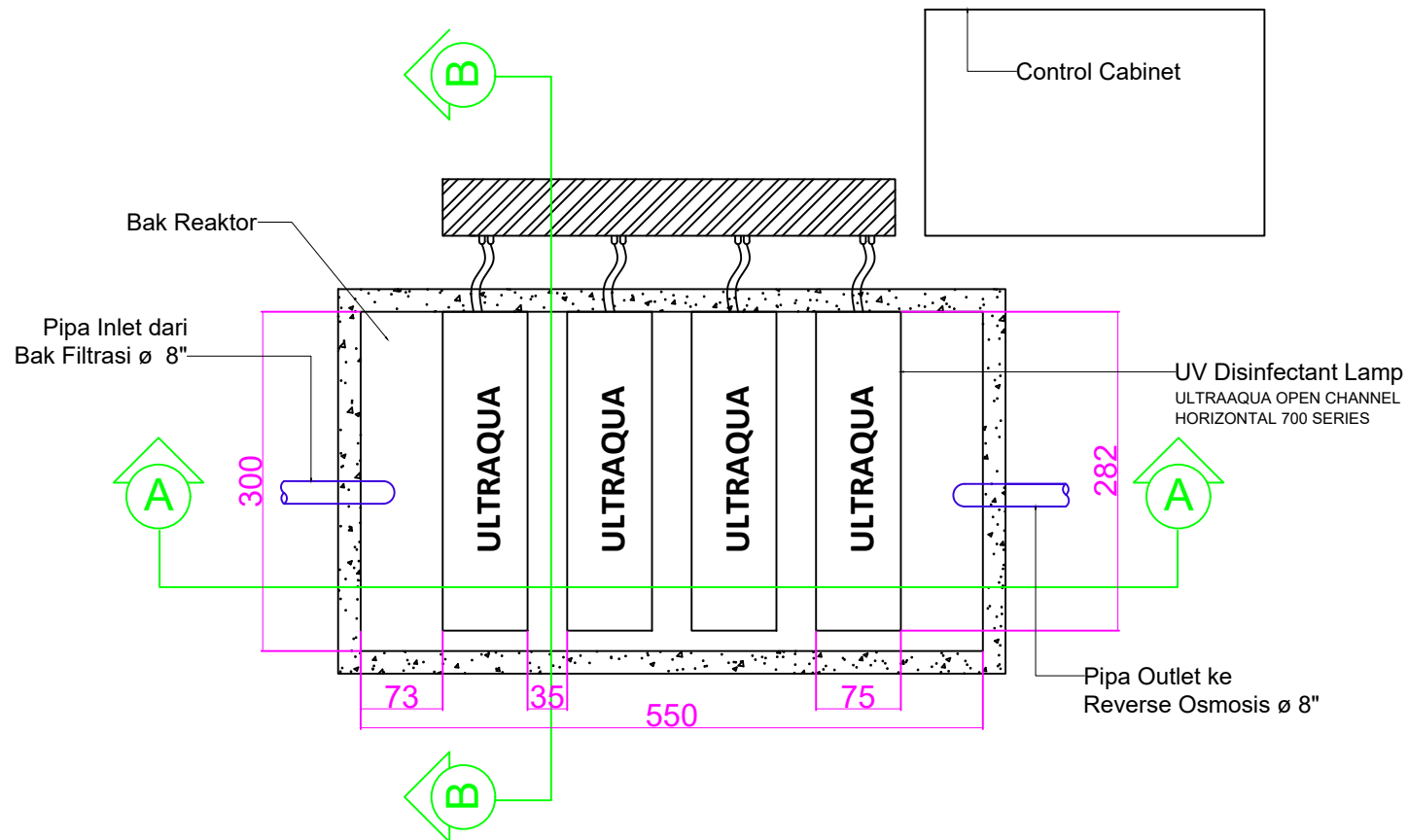
SKALA

SATUAN

1 : 65

CENTIMETER

KETERANGAN



DENAH ULTRAVIOLET DESINFEKTAN

Skala 1 : 65



UNIVERSITAS PEMBANGUNAN NASIONAL
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TUGAS

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POTONGAN A-A
ULTRAVIOLET DESINFEKTAN

SKALA

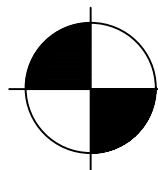
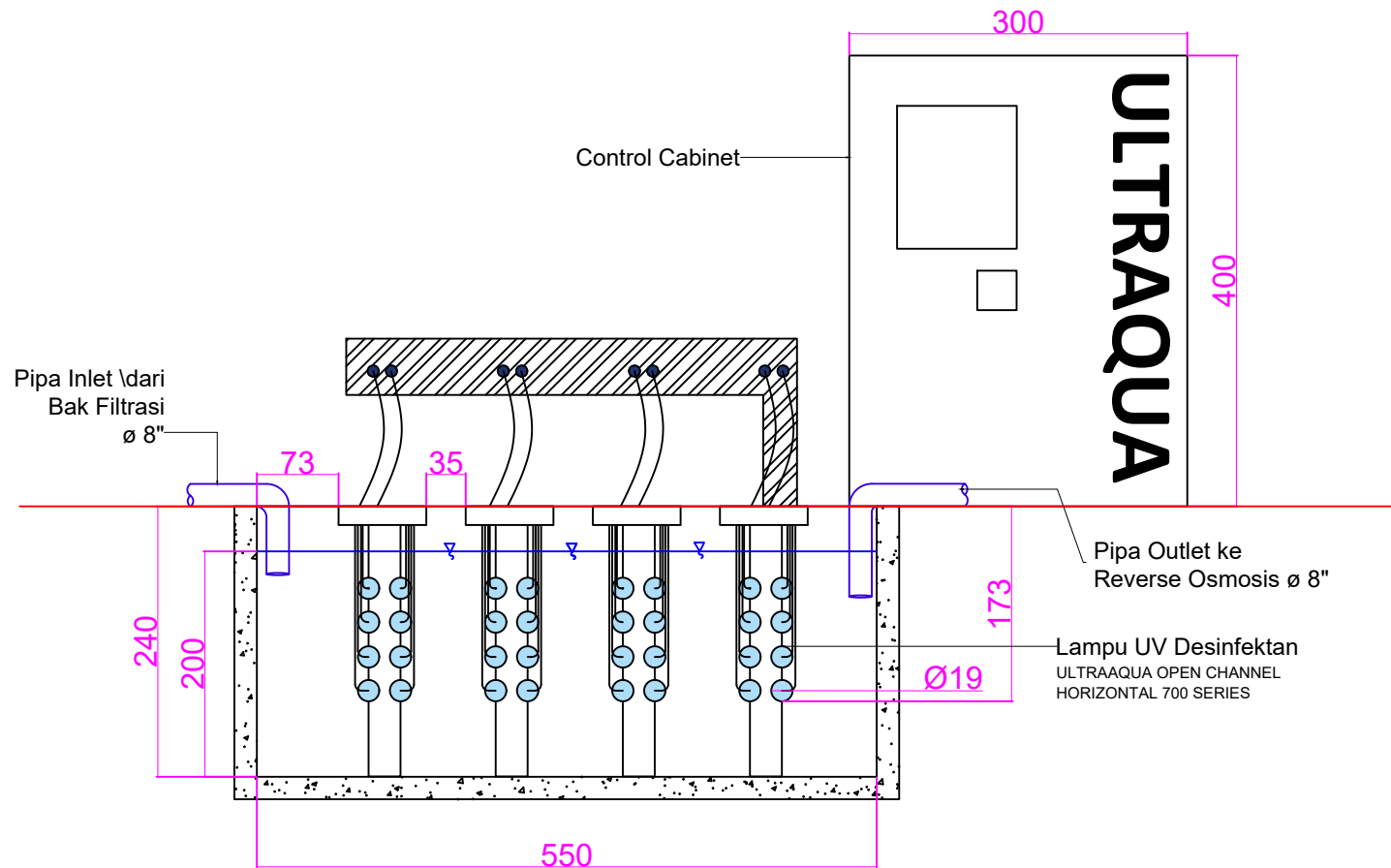
SATUAN

1 : 65

CENTIMETER

KETERANGAN

: MUKA TANAH



POTONGAN A-A UV DESINFEKTAN

Skala 1 : 65



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TUGAS

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POTONGAN B-B
ULTRAVIOLET DESINFEKTAN

SKALA

SATUAN

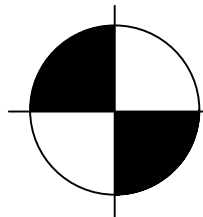
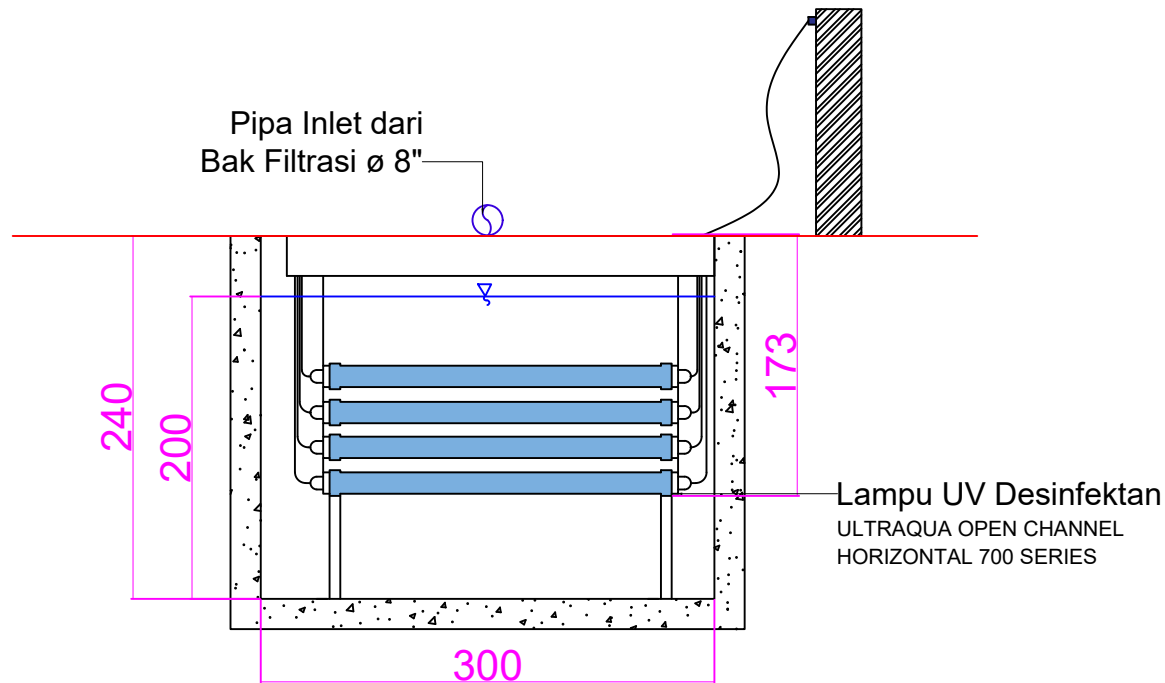
1 : 50

CENTIMETER

KETERANGAN

: MUKA TANAH

Pipa Inlet dari
Bak Filtrasi \varnothing 8"



POTONGAN B-B UV DESINFEKTAN

Skala 1 : 50



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DENAH REVERSE OSMOSIS

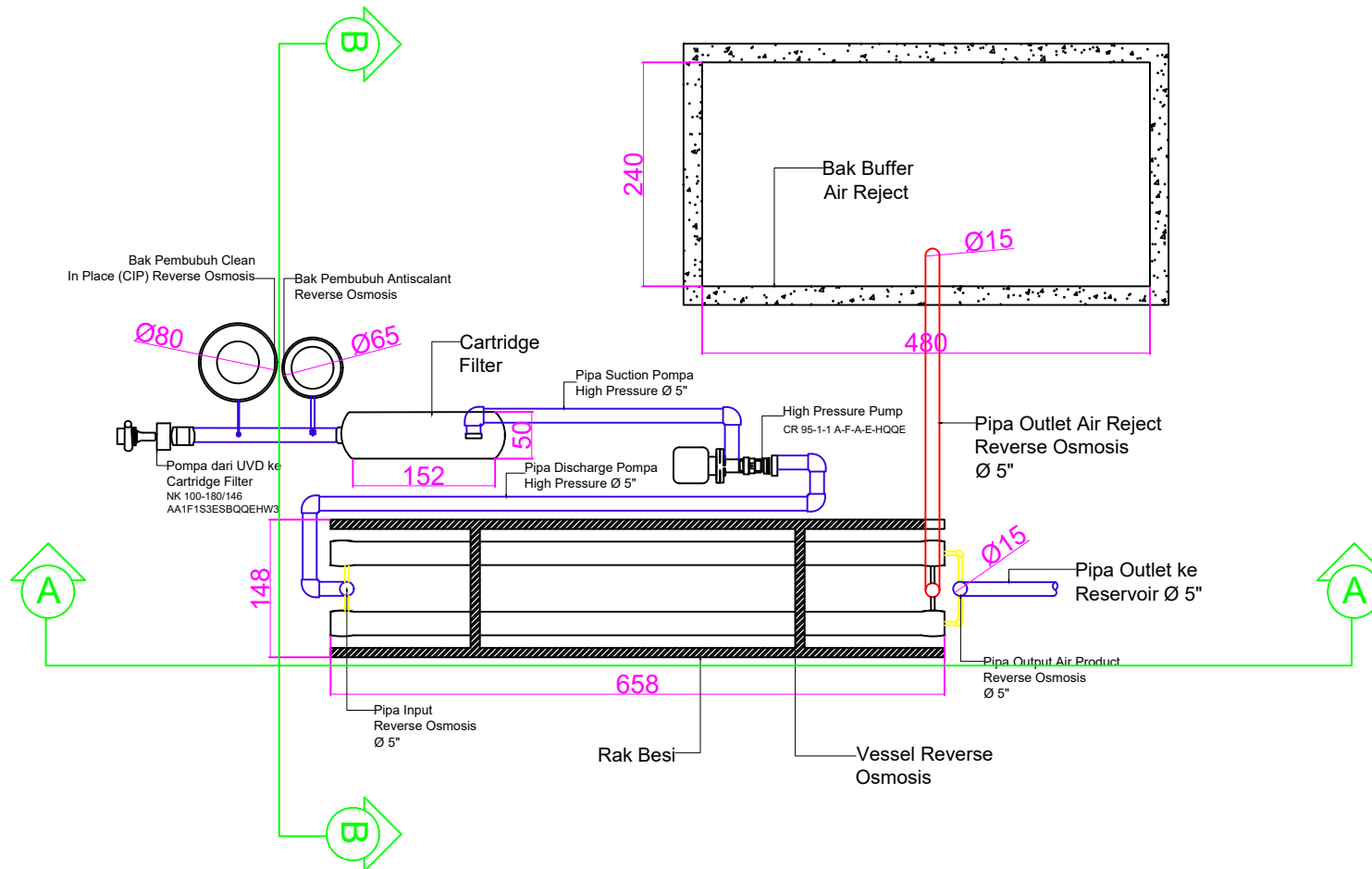
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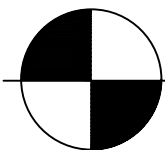
CENTIMETER

KETERANGAN



DENAH REVERSE OSMOSIS

Skala 1 : 75





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**POTONGAN A-A
UNIT REVERSE OSMOSIS**

SKALA

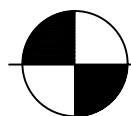
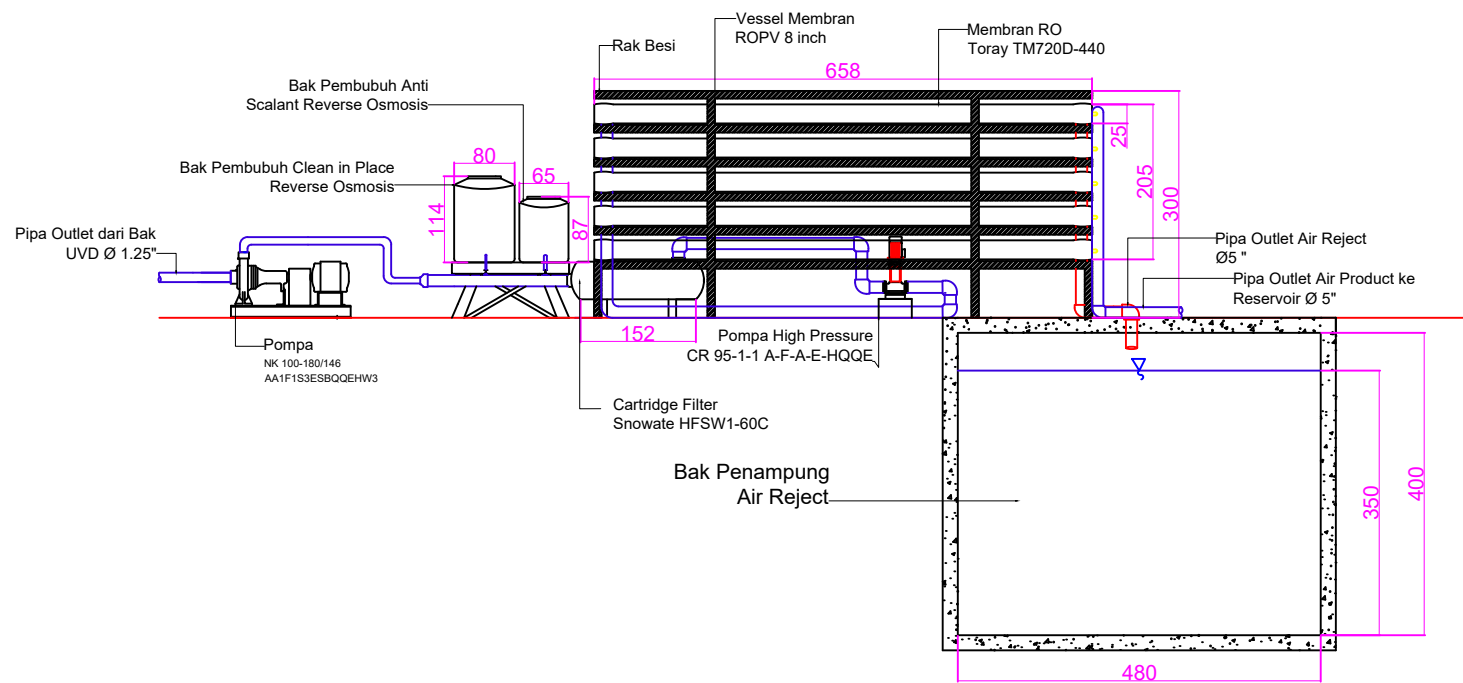
SATUAN

1 : 100

CENTIMETER

KETERANGAN

■ : MUKA TANAH



POTONGAN A-A REVERSE OSMOSIS

Skala 1 : 100



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**POTONGAN B-B
UNIT REVERSE OSMOSIS**

SKALA

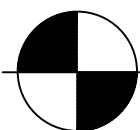
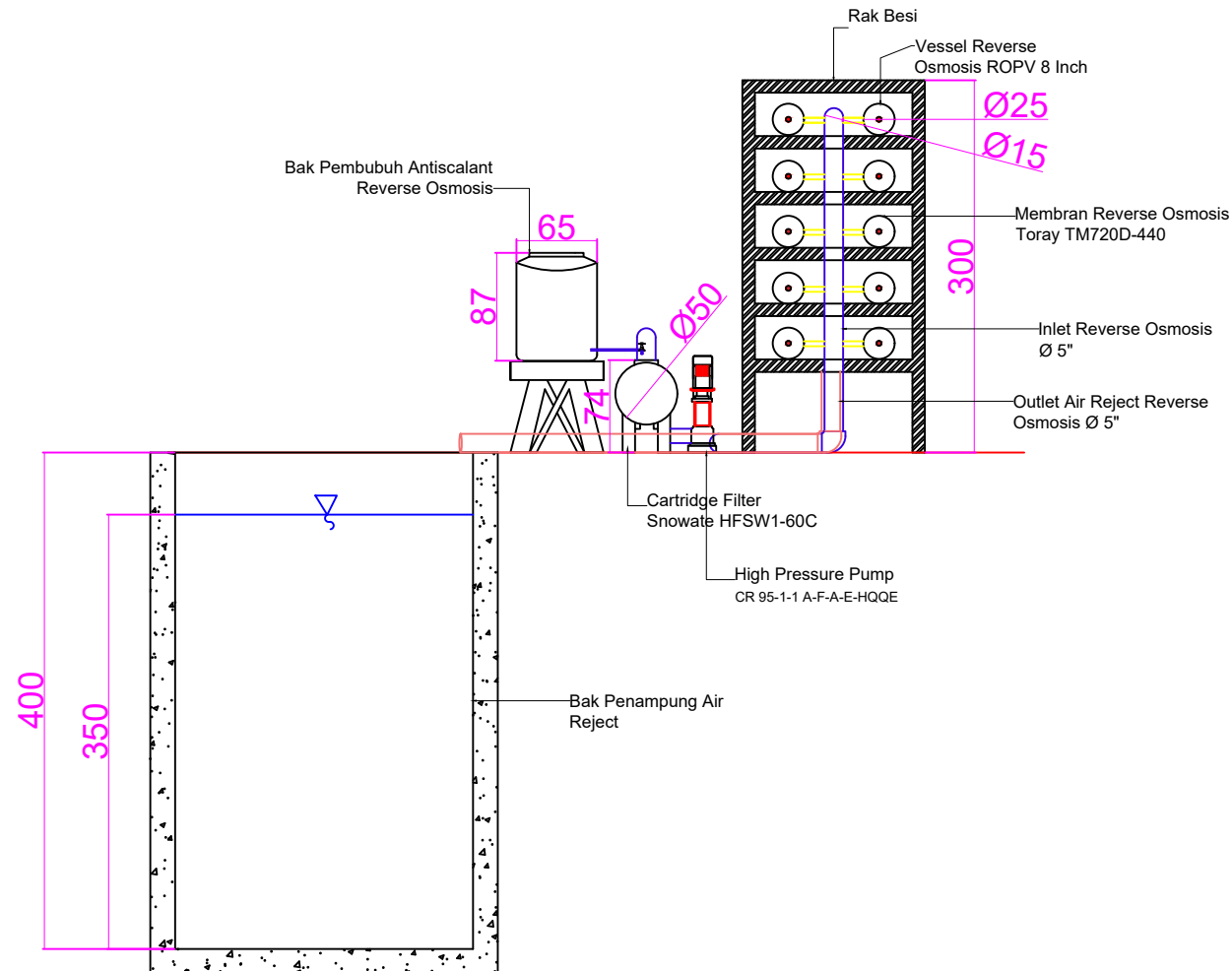
SATUAN

1 : 60

CENTIMETER

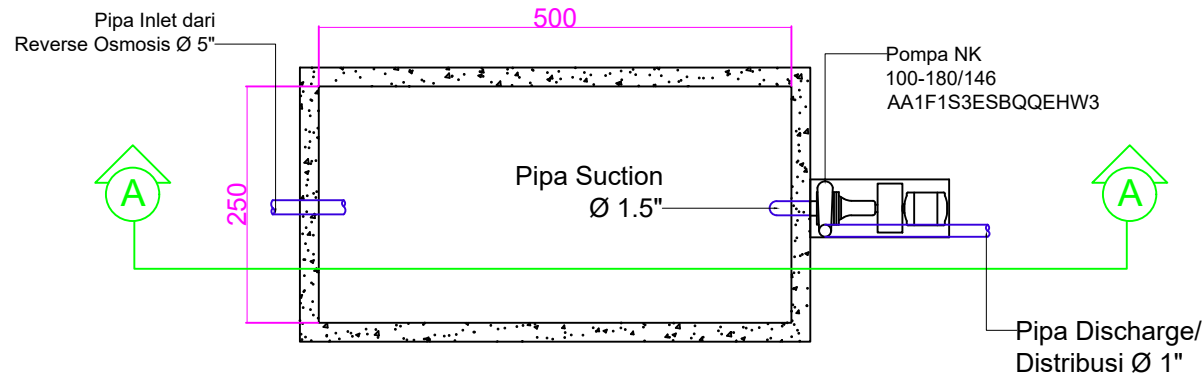
KETERANGAN

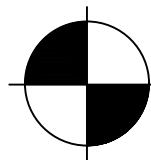
■ : MUKA TANAH

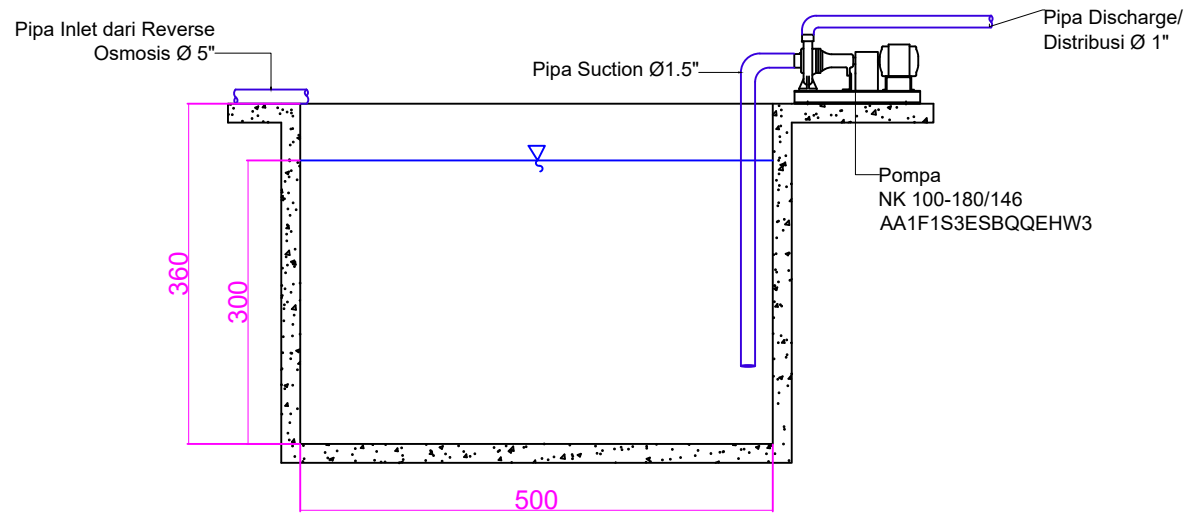


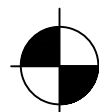
POTONGAN B-B REVERSE OSMOSIS

Skala 1 : 60



 **DENAH RESERVOIR**
Skala 1 : 80



 **POTONGAN A-A RESERVOIR**
Skala 1 : 80



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**PERANCANGAN BANGUNAN
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**PROF. DR. IR. NOVIRINA H, M.T.
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DOSEN PEMBIMBING

**FIRRA ROSARIAWARI S.T., M.T.
R MOHAMMAD ALGHAF D, S.T., M.T.**

MAHASISWA

NPM

ZAHRA RAHIMAPUTRI RALANITA
HANIF FAIZAH EKA FEDYANI

22034010009
22034010044

GAMBAR

**DENAH DAN POTONGAN A-A
BAK RESERVOIR**

SKALA

SATUAN

1 : 80

CENTIMETER

KETERANGAN



UNIVERSITAS PEMBANGUNAN NASIONAL
"VETERAN" JAWA TIMUR
PROGRAM STUDI TEKNIK LINGKUNGAN

TUGAS

**PERANCANGAN BANGUNAN
PENGOLAHAN AIR MINUM**

DOSEN PENGAMPU

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**DENAH BAK
PENAMPUNG LUMPUR**

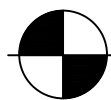
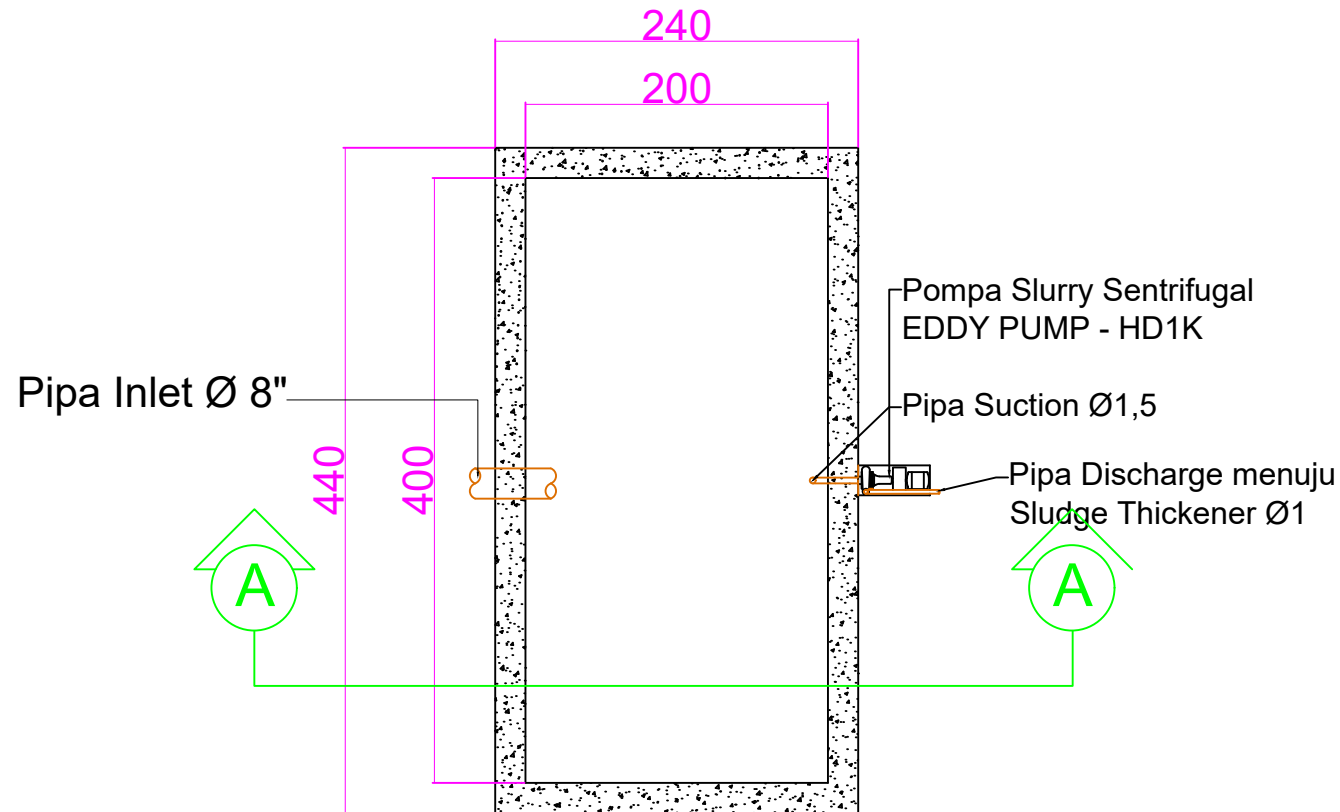
SKALA

SATUAN

1 : 50

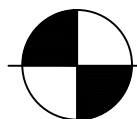
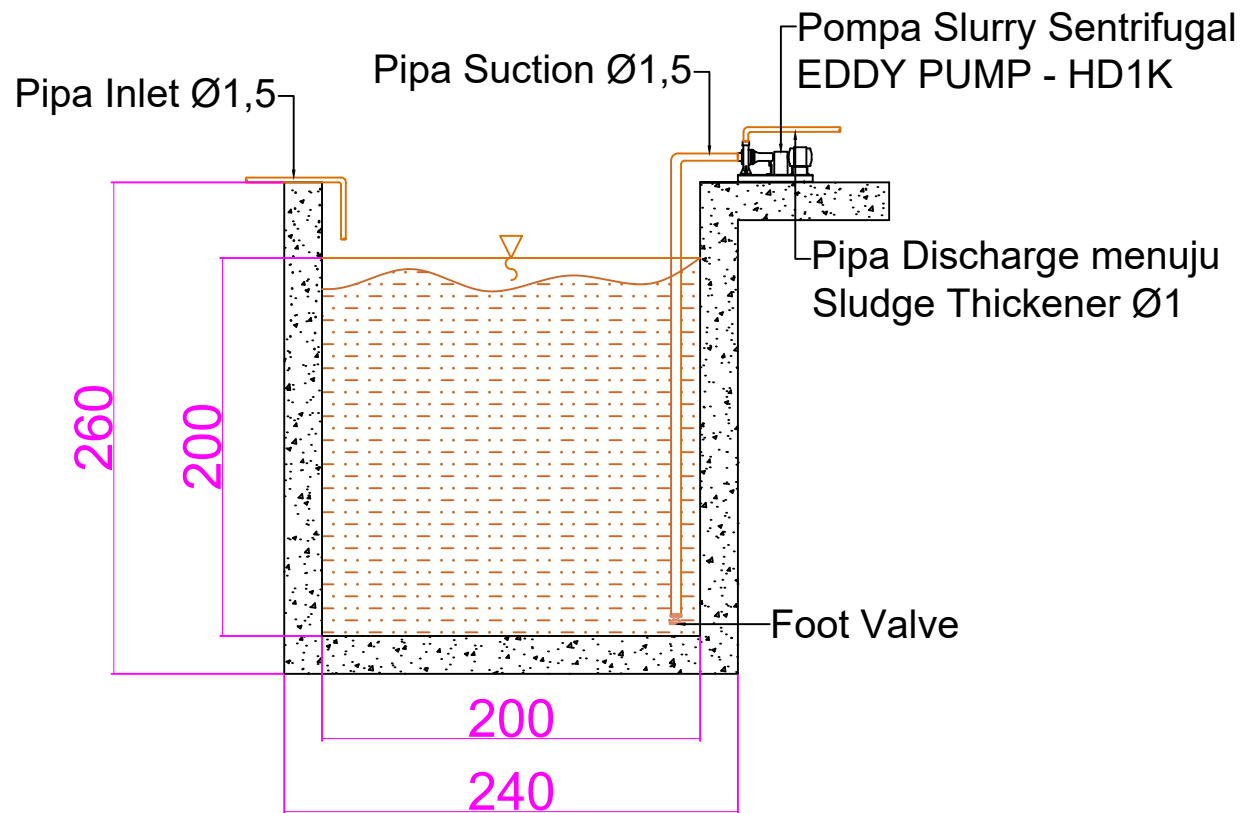
CENTIMETER

KETERANGAN



DENAH BAK PENAMPUNG LUMPUR

Skala 1 : 50



POTONGAN A-A BAK PENAMPUNG LUMPUR

Skala 1 : 40



UNIVERSITAS PEMBANGUNAN NASIONAL
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POTONGAN A-A BAK
PENAMPUNG LUMPUR

SKALA

SATUAN

1 : 40

CENTIMETER

KETERANGAN



UNIVERSITAS PEMBANGUNAN NASIONAL
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GAMBAR

DENAH SLUDGE THICKENER

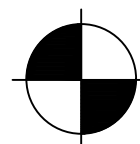
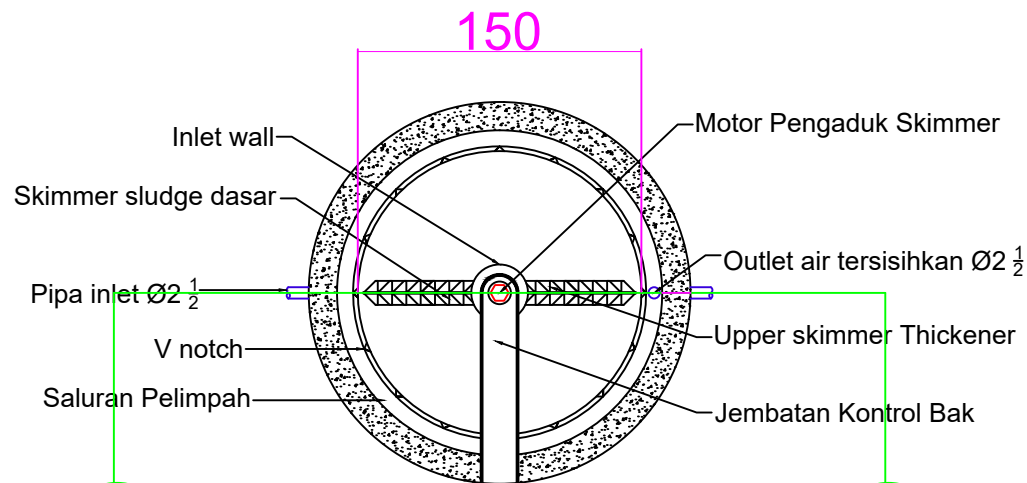
SKALA

SATUAN

1 : 40

CENTIMETER

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DENAH SLUDGE THICKENER

Skala 1 : 40



UNIVERSITAS PEMBANGUNAN NASIONAL
"VETERAN" JAWA TIMUR
PROGRAM STUDI TEKNIK LINGKUNGAN

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**PERANCANGAN BANGUNAN
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**POTONGAN A-A
SLUDGE THICKENER**

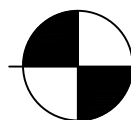
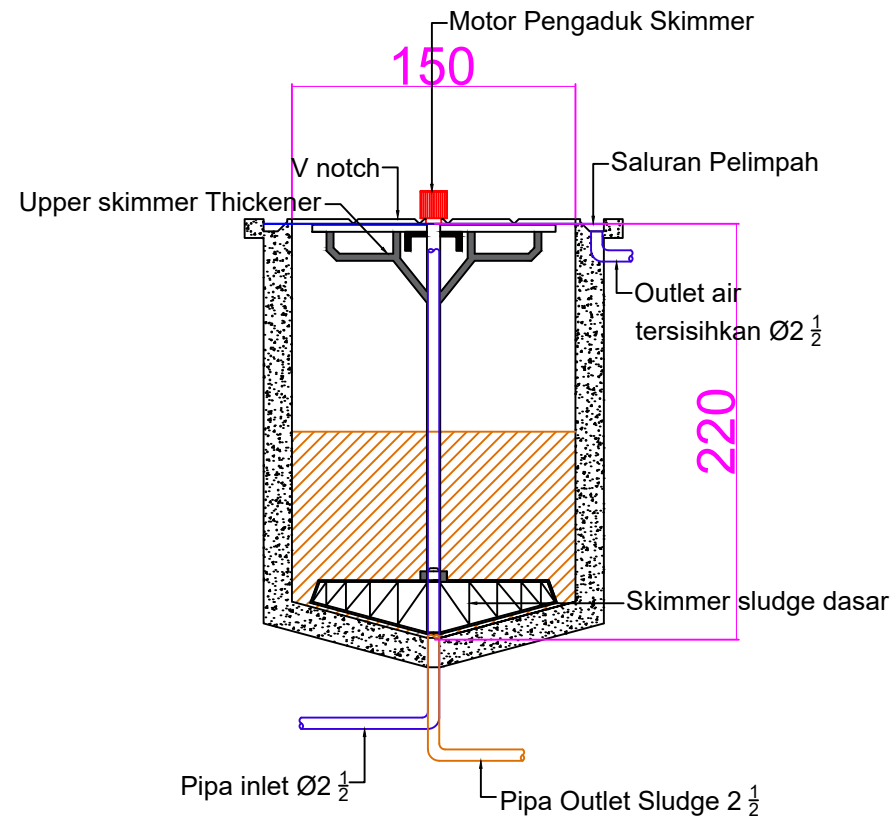
SKALA

SATUAN

1 : 40

CENTIMETER

KETERANGAN



POTONGAN A-A SLUDGE THICKENER

Skala 1 : 40



UNIVERSITAS PEMBANGUNAN NASIONAL
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22034010009
22034010044

GAMBAR

DENAH DAN POTONGAN A-A
BELT FILTER PRESS

SKALA

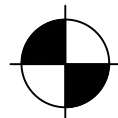
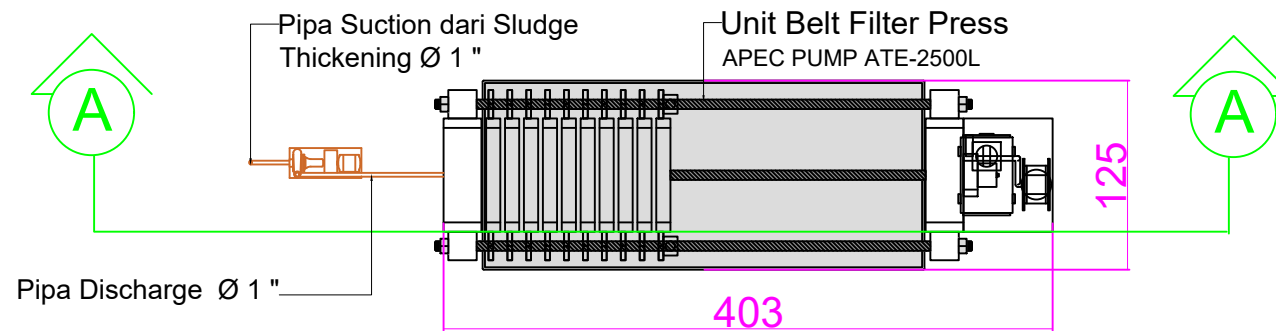
SATUAN

1 : 50

CENTIMETER

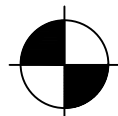
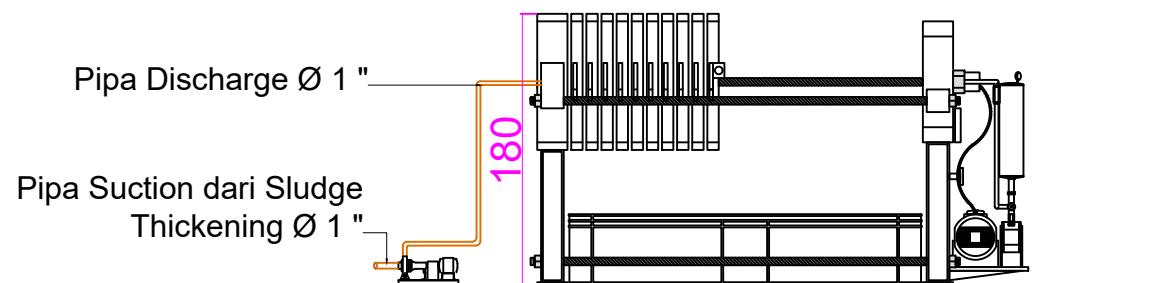
KETERANGAN

 : MUKA TANAH



DENAH BELT FILTER PRESS

Skala 1 : 50






POTONGAN BELT FILTER PRESS

Skala 1 : 50



PROGRAM STUDI TEKNIK LINGKUNGAN
FAKULTAS TEKNIK
UNIVERSITAS PEMBANGUNAN "VETERAN"
JAWA TIMUR

TUGAS : Tugas Perancangan PBPAM
NAMA/NPM : Zahra Rahimaputri Ralanita (22034010009)
Hanif Faizah Eka Fediyani (22034010044)
PEMBIMBING : Firra Rosariawari, S.T., M.T.
R Mohammad Alghaf Dienullah, S.T. M.T

NO	TANGGAL	URAIAN	TTD PEMBIMBING
1.	25 Februari 2025	- Asistensi jurnal untuk rancangan (menentukan parameter dan debit)	
2.	13 Maret 2025	- Pemilihan unit perancangan PBPAM. <u>Aptenaty 2</u> - Alir partikel size of PSPAB.	
3.	20 Maret 2025	- Bat penampung tidak mencair sludge. - Untuk range dosis koagulan ditentukan oleh jar test. - Dicari hubungan dosis koagulan dengan % Removal TSS. - Sifat floc apakah suspended atau dissolved. - Untuk penurunan flocat menggunakan presipitasi dan koagulasi-flokulasi - Cari perbedaan presipitasi dan koaflo. - Flokulasi boleh pake mekanis. - Tetap menggunakan - BOD COD pada air minum menggunakan angka permanganat.	



PROGRAM STUDI TEKNIK LINGKUNGAN
FAKULTAS TEKNIK
UNIVERSITAS PEMBANGUNAN "VETERAN"
JAWA TIMUR

TUGAS : Tugas Perancangan PBPAM
NAMA/NPM : Zahra Rahimaputri Ralanita (22034010009)
Hanif Faizah Eka Fediyani (22034010044)
PEMBIMBING : Firra Rosariawari, S.T., M.T.
R Mohammad Alghaf Dienullah, S.T. M.T

NO	TANGGAL	URAIAN	TTD PEMBIMBING
4.	11 April 2025	<ul style="list-style-type: none">• Merevisi profil Hidrolik• Menambah elevasi pada unit perencanaan• Penambahan unit untuk maintenance• Penambahan slope pada pipa inlet/outlet• Untuk RO perlu diperhitungkan cloggingnya• Untuk bak pembunuh titik perlu pompa• Untuk menuntun paspat mematai koagulan asam	
5.	18 April 2025	<ul style="list-style-type: none">• merevisi perhitungan dan debit industri• merevisi gambar sesuai dengan debit	
6.	20 April 2025	<ul style="list-style-type: none">• Pipa diatas muka air• pembetonan bak koagulasi• penambahan bak pembunuh alkali	
7.	9 Mei 2025	<ul style="list-style-type: none">• bak klorinasi dan deklorinasi diganti menggunakan UV sebelum RO• Penurunan BOD COD menggunakan slow sand filtrasi• Aerasi menjadi 1 stage• Aerasi tidak dominan untuk removal BOD COD• Removal BOD COD pada sedimentasi ambil removal terkecil (COD berhubungan dengan TSS)	






PROGRAM STUDI TEKNIK LINGKUNGAN
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NAMA/NPM : Zahra Rahimaputri Ralanita (22034010009)
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PEMBIMBING : Firra Rosariawari, S.T., M.T.
R Mohammad Alghaf Dienullah, S.T. M.T

NO	TANGGAL	URAIAN	TTD PEMBIMBING
8.	15 Mei 2025	<ul style="list-style-type: none">• Bak pencampur SSF dibuat lebih rendah elevasinya• tambah 1 unit untuk cadangan SSF	
9	4 Juni 2025	<ul style="list-style-type: none">• mengganti diameter pipa menjadi 4 in (inch)• muka tanah diberi hatch• RAB Bak netralisasi beli• keterangan dimensi jarak antar bak di taruh luar• Diameter lubang dan nama perforated di benarkan• keterangan pipa suction discharge bak buffer• keterangan nama pipa inlet SBR 1• Ke panjang RAS dan SAS di tanah SBR 1• Bikin profil yang zoom out• Perban dengan Hf dan Hp pompa (bukan Hf)	
10.	12 Juni 2025	final check	



LRULPB 01

LEMBAR REVISI MASUKAN/ SARAN
UJIAN LISAN PERANCANGAN BANGUNAN PBPAM

NAMA MAHASISWA (NPM) : 1. Zahra Rahimaputri Ralanita (22034010009)
2. Hanif Faizah Eka Fediyani (22034010044)

JUDUL PBPAM : Perancangan Bangunan Instalasi Pengolahan Air Minum
(Sumber Air Baku : Industri Tahu Kota Yogyakarta,
Daerah Istimewa Yogyakarta)

NO.	KETERANGAN	TANDA TANGAN
	<ul style="list-style-type: none">- Debit air baku- Perhitungan MLSS & MVSS- Hari² dng unit Ultrafiltrasi & R.O- Perhitungan SDAM.	

7/3.
Adu beba reozi

SURABAYA, 25 JUNI 2025
DOSEN PENGUJI

(Ir. Tuhu Agung R., MT)




LRULPB 01

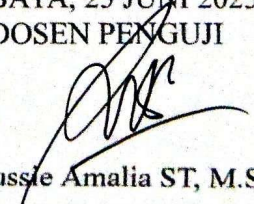
LEMBAR REVISI MASUKAN/ SARAN
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JUDUL PBPAM : Perancangan Bangunan Instalasi Pengolahan Air Minum
(Sumber Air Baku : Industri Tahu Kota Yogyakarta,
Daerah Istimewa Yogyakarta)

NO.	KETERANGAN	TANDA TANGAN
1	Sumber referensi 10 buku teknik	 Ace 7/125
2.	Perhitungan berapa banyak air baku dari industri tahu Ckt. Magelang Kota Yogyakarta	

SURABAYA, 25 JUNI 2025
DOSEN PENGUJI


(Aussie Amalia ST, M.Sc)




UNIVERSITAS PEMBANGUNAN NASIONAL "VETERAN" JAWA TIMUR
FAKULTAS TEKNIK
Jl. Raya Rungkut Madya Gunung Anyar – Surabaya telp. 031-8706369

LRULPB 03

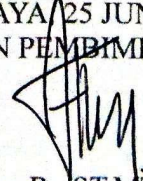
LEMBAR REVISI MASUKAN/ SARAN
UJIAN LISAN PERANCANGAN BANGUNAN PBPAM

NAMA MAHASISWA (NPM) : 1. Zahra Rahimaputri Ralanita (22034010009)
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(Sumber Air Baku : Industri Tahu Kota Yogyakarta,
Daerah Istimewa Yogyakarta)

NO.	KETERANGAN	TANDA TANGAN
		

SURABAYA 25 JUNI 2025
DOSEN PEMBIMBING


(Firra R., ST.MT.)

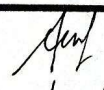
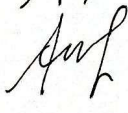


LRULPB 03

LEMBAR REVISI MASUKAN/ SARAN
UJIAN LISAN PERANCANGAN BANGUNAN PBPAM

NAMA MAHASISWA (NPM) : 1. Zahra Rahimaputri Ralanita (22034010009)
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(Sumber Air Baku : Industri Tahu Kota Yogyakarta,
Daerah Istimewa Yogyakarta)

NO.	KETERANGAN	TANDA TANGAN
1.	Kurangi Debit di PBPAM	
2.	Hitung proyek pengolahan air nya	 ACC 7/7 ²⁵

SURABAYA, 25 JUNI 2025
DOSEN PEMBIMBING

(R. M Alghaf Dionullah, S.T. M.T)



KEMENTERIAN PENDIDIKAN DAN KEBUDAYAAN
UNIVERSITAS PEMBANGUNAN NASIONAL "VETERAN" JAWA TIMUR
FAKULTAS TEKNIK
PROGRAM STUDI TEKNIK LINGKUNGAN

KETERANGAN REVISI

Mahasiswa dibawah ini :

Nama (NPM) : 1. Zahra Rahimaputri Ralanita (22034010009)
2. Hanif Faizah Eka Fediyani (22034010044)

Telah mengerjakan revisi / tidak ada revisi PERANCANGAN BANGUNAN Ujian Lisan Periode 1 (Satu), TA 2024-2025

Dengan judul :

PBPAM : Perancangan Bangunan Instalasi Pengolahan Air Minum (Sumber Air Baku : Industri Tahu Kota Yogyakarta, Daerah Istimewa Yogyakarta)

PBPAB : Instalasi Pengolahan Air Buangan Industri Tahu, Kota Yogyakarta, Daerah Istimewa Yogyakarta.


Dosen Penguji yang memerintahkan revisi

1 : Ir. Tuhu Agung R., MT


2 : Aussie Amalia ST, M.Sc.

Surabaya, 7 Juli 2025

Menyetujui,
Dosen pembimbing,


Firra Rosariawati S.T., M.T

NIP/NPT. 19750409 202121 2 004


R M Alghaf Dienullah, S.T. M.T

NIP/NPT. 199810122024061001