



## PT. GLOBAL QUALITY ANALITICAL

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### ANALYTICAL REPORT

JOB GQA : 18203688

*Prepared For :*

### CV Anugerah Alam Abadi

Desa Pekauman RT 08 RW 03 Desa Pekauman, Kec. Bondowoso  
Kabupaten Bondowoso  
Provinsi Jawa Timur

**Attention : Mr. Arsyad**

Date : November 25, 2020

Signature

Name : Leni Marlioni, ST.P

Title : Technical Manager

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## SAMPLE INFORMATION

Date : November 25, 2020

JOB GQA : 18203688  
Customer : CV Anugerah Alam Abadi  
Attention : Mrs. Arsyad

Laboratory Sample ID.	Customer Sample ID.	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
18203688-1	Area Produksi	Ambient Air & Dust	06-Nov-20	14:15	09-Nov-20	08:25
18203688-2	Area Pos Security	Ambient Air & Dust	06-Nov-20	13:00	09-Nov-20	08:25
18203688-3	Air Limbah Industri	Water	06-Nov-20	14:30	09-Nov-20	08:25
18203688-4	Air Bersih	Water	06-Nov-20	14:35	09-Nov-20	08:25
18203688-5	Area Produksi	Noise	06-Nov-20	14:25	09-Nov-20	08:25



PT. GLOBAL QUALITY ANALITICAL

## LABORATORY TEST RESULTS

Job Number : 18203688	Date : November 25, 2020
Customer : CV Anugerah Alam Abadi	Attention : Mrs. Arsyad
	Coordinate : South 07° 59' 41.88"
	East 113° 47' 25.51"
Customer Sampling Point : Area Produksi	Laboratory Sample ID. : 18203688-1
Date Sampled : 6-Nov-20	Date Received : 09-Nov-20
Time Sampled : 14:15	Time Received : 08:25
Sample Matrix : Ambient Air & Dust	

NO	TEST DESCRIPTION	SAMPLE RESULT	TIME SAMPLED	REGULATORY LIMIT ***	UNIT	METHOD
	<b>Ambient Air Quality:</b>					
1	Nitrogen Dioxide, NO <sub>2</sub> *	0.051	1 Hour	3	ppm	SNI 19-7119.2-2017
2	Sulfur Dioxide, SO <sub>2</sub> *	0.023	1 Hour	0.25	mg/Nm <sup>3</sup>	SNI 19-7119.7-2017
3	Ammonia, NH <sub>3</sub> *	0.102	1 Hour	17	mg/Nm <sup>3</sup>	SNI 19-7119.1-2005
4	Hydrogen Sulfide, H <sub>2</sub> S	<0.002	1 Hour	1	ppm	MASA Method 701
5	Dust Particulate*	3.12	1 Hour	10	mg/Nm <sup>3</sup>	SNI 19-7119.3-2017
6	Carbon Monoxide, CO	1.35	1 Hour	29	mg/Nm <sup>3</sup>	SNI 19-7119.10:2011
7	Oxidant, O <sub>3</sub> *	0.016	1 Hour	0.2	ppm	SNI 19-7119.8-2017
8	Lead, Pb*	<0.00001	1 Hour	0.05	mg/Nm <sup>3</sup>	SNI 19-7119.4-2017
9	Noise*	78.8	-	85	dBA	SNI 7231-2009

- (\*) Accredited by KAN

- (\*\*\*) Ambient Air Standard Quality Regulation, Per.Menaker No. 05/2018

- The test results relate only to the items tested

- References sampling SNI 19.7119.6 - 2005

METEOROLOGY DATA			
NO	DESCRIPTION	RESULT	UNIT
1	Temperature	34.7	°C
2	Relative Humidity	46.4	%
3	Illumination	449	Lux

Signature  
  
 Name : Lemi Marlani  
 Title : Technical Manager





PT. GLOBAL QUALITY ANALITICAL

## LABORATORY TEST RESULTS

Job Number : 18203688 Date : November 25, 2020

Customer : CV Anugerah Alam Abadi Attention : Mrs. Arsyad

Coordinate : South 07° 59' 40.08"  
East 113° 47' 24.72"

Customer Sampling Point : **Area Pos Security**

Date Sampled : 6-Nov-20 Laboratory Sample ID. : 18203688-2

Time Sampled : 13:00 Date Received : 09-Nov-20

Sample Matrix : Ambient Air & Dust Time Received : 08:25

NO	TEST DESCRIPTION	SAMPLE RESULT	TIME SAMPLED	REGULATORY LIMIT ***	UNIT	METHOD
	<b>Ambient Air Quality:</b>					
1	Nitrogen Dioxide, NO <sub>2</sub> *	26.40	1 Hour	92.5	µg/Nm <sup>3</sup>	SNI 19-7119.2-2017
2	Sulfur Dioxide, SO <sub>2</sub> *	28.36	1 Hour	262	µg/Nm <sup>3</sup>	SNI 19-7119.7-2017
3	Ammonia, NH <sub>3</sub> *	31.27	1 Hour	1360	µg/Nm <sup>3</sup>	SNI 19-7119.1-2005
4	Hydrogen Sulfide, H <sub>2</sub> S*	< 1.2	1 Hour	42	µg/Nm <sup>3</sup>	MASA Method 701
5	Dust*	40.33	1 Hour	260	µg/Nm <sup>3</sup>	SNI 19-7119.3-2017
6	Hydrocarbon, HC	8.37	1 Hour	160	µg/Nm <sup>3</sup>	NIOSH 1500
7	Carbon Monoxide, CO	833.45	1 Hour	22600	µg/Nm <sup>3</sup>	SNI 19-7119.10:2011
8	Oxidant, O <sub>3</sub> *	24.39	1 Hour	200	µg/Nm <sup>3</sup>	SNI 19-7119.8-2017
9	Lead, Pb*	<0.01	1 Hour	60	µg/Nm <sup>3</sup>	SNI 19-7119.4-2017
10	Noise*	59.6	-	70 <sup>#</sup>	dBA	SNI 7231 - 2009

- (\*) Accredited by KAN

- (\*\*) Ambient Air Standard Quality Regulation, Pergub Jatim No. 10 Tahun 2009

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- References sampling SNI 19.7119.6 - 2005

# Noise Standards Quality, Kep. No.48/MENLH/11/1996 (Attachment I)

METEOROLOGY DATA			
NO	DESCRIPTION	RESULT	UNIT
1	Temperature	35.1	°C
2	Relative Humidity	50.2	%
3	Wind Speed	1.8	m/s
4	Wind Direction	East - West	-

Signature

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Title : Technical Manager

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## LABORATORY TEST RESULTS

Job Number	: 18203688	Date	: November 25, 2020
Customer	: CV Anugerah Alam Abadi	Attention	: Mrs. Arsyad
		Coordinate	: South 07° 59' 42.71" East 113° 47' 25.01"
Customer Sampling Point	: Air Limbah Industri	Laboratory Sample ID.	: 18203688-3
Date Sampled	: 06-Nov-20	Date Received	: 09-Nov-20
Time Sampled	: 14:30	Time Received	: 08:25
Sample Matrix	: Water		

NO.	TEST DESCRIPTION	SAMPLE RESULT	REGULATORY LIMIT ***	UNIT	METHOD
	<b>Physical :</b>				
1	Temperature*	30.3	-	°C	SNI 06-6989.23-2005
2	Total Suspended Solid, TSS*	27	50	mg/L	SNI 06-6989.3-2004
	<b>Chemical :</b>				
1	pH*	7.94	6 - 9	pH Unit	SNI 06-6989.11-2004
2	Biological Oxygen Demand, BOD <sub>5</sub> *	44.30	75	mg/L	SNI 6989.72:2009
3	Chemical Oxygen Demand, COD*	121.38	125	mg/L	SNI 6989.2:2009
4	Ammonia, NH <sub>3</sub> -N*	2.37	4	mg/L	SNI 06-6989.30-2005
5	Fenol*	0.004	0.25	mg/L	SNI 06-6989.21-2004

- (\*) Accredited by KAN

- (\*\*) Water Standard Quality Regulation, Pergub Jatim 72/2013 (Attachment I.14)

- The test results relate only to the items tested

Signature

Name : Leni Mariani  
Title : Technical Manager





PT. GLOBAL QUALITY ANALITICAL

## LABORATORY TEST RESULTS

JOB GQA	: 18203688	Date	: November 25, 2020
Customer	: CV Anugerah Alam Abadi	Attention	: Mrs. Arsyad
		Coordinate	: South 07° 59' 40. 17" East 113° 47' 24. 73"
Customer Sampling Point	: Air Bersih	Laboratory Sample ID.	: 18203688-4
Date Sampled	: 6-Nov-20	Date Received	: 9-Nov-20
Time Sampled	: 14:35	Time Received	: 08:25
Sample Matrix	: Water		

NO	TEST DESCRIPTION	SAMPLE RESULT	REGULATORY LIMIT**	UNIT	METHOD
<b>Physical Properties:</b>					
1	Odor	Tidak berbau	Tidak berbau	-	Organoleptic
2	Total Dissolved Solid, TDS*	211	1000	mg/L	SNI 06-6989.27-2005
3	Turbidity*	0.192	25	NTU	Spektrofotometri
4	Taste	Tidak berasa	Tidak berasa	-	Organoleptic
5	Temperature*	30.0	Suhu udara ± 3	-	SNI 06-6989.23-2005
6	Color*	1	50	TCU	Spektrofotometri
<b>Chemical Anorganic Properties:</b>					
1	Mercury, Hg*	< 0.00009	0.001	mg/L	SNI 6989.78:2009
2	Arsenic, As*	< 0.00006	0.05	mg/L	SNI 06-6989.54-2005
3	Iron, Fe*	< 0.013	1	mg/L	SNI 6989.4-2009
4	Fluoride, F*	0.073	1.5	mg/L	SNI 06-6989.29-2005
5	Cadmium, Cd*	< 0.00004	0.005	mg/L	SNI 06-6989.38-2005
6	Hardness Total as CaCO <sub>3</sub> *	73.5	500	mg/L	SNI 06-6989.12-2004
7	Chromium hexavalent, Cr <sup>6+</sup> *	< 0.001	0.05	mg/L	SNI 6989.71:2009
8	Manganese, Mn*	< 0.0005	0.5	mg/L	SNI 6989.5-2009
9	Nitrogen, Nitrate as N (NO <sub>3</sub> -N)*	0.74	10	mg/L	APHA 21 ED, 4500-NO3- B
10	Nitrogen, Nitrite as N (NO <sub>2</sub> -N)*	0.006	1	mg/L	SNI 06-6989.9-2004
11	pH*	7.12	6.5 - 8.5	-	SNI 06-6989.11-2004
12	Selenium, Se*	< 0.0001	0.01	mg/L	US EPA 7741 A
13	Zinc, Zn*	0.012	15	mg/L	SNI 6989.7.2009
14	Cyanide, CN*	< 0.001	0.1	mg/L	APHA 21 ED, 4500-CN-
15	Sulphate, SO <sub>4</sub> <sup>2-</sup> *	16.35	400	mg/L	SNI 6989.20:2009
16	Lead, Pb*	< 0.00020	0.05	mg/L	SNI 6989.46:2009
17	Pestisida Total	< 0.00019	0.1	mg/L	Gas Chromatography
<b>Chemical Organic Properties:</b>					
1	Surfactants, MBAS*	< 0.014	0.05	mg/L	SNI 06-6989.51-2005
2	Total Organic Matter, KMnO <sub>4</sub> *	5.1	10	mg/L	SNI 06-6989.22-2004
<b>Biological Properties:</b>					
1	Total Coliform*	3	50	MPN/100 mL	APHA 9221 ed 21
2	E. Coli*	0	0	MPN/100 mL	SNI 2332.1:2005

- (\*) Accredited by KAN

- (\*\*) Clean Water Standard Quality Regulation, PerMenKes No. 32/2017

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- References sampling SNI 6989.58:2008

Signature

  
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Title : Technical Manager

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## LABORATORY TEST RESULTS

Job Number : 18203688	Date : November 25, 2020
Customer : CV Anugerah Alam Abadi	Attention : Mrs. Arsyad
	Coordinate : South 07° 59' 41.88" East 113° 47' 25.51"
Customer Sampling Point : <b>Area Produksi</b>	Laboratory Sample ID. : 18203688-5
Date Sampled : 6-Nov-20	Date Received : 09-Nov-20
Time Sampled : 14:25	Time Received : 08:25
Sample Matrix : Noise	

NO.	TEST DESCRIPTION	SAMPLE RESULT	REGULATORY LIMIT *	UNIT	METHOD
	<b>Parameter Uji:</b>				
1	Kebisingan Rata-Rata, $L_{avg}$	78.5	85	dB (A)	Sound Level Metric
2	Kebisingan Minimum, $L_{min}$	77.9		dB (A)	Sound Level Metric
3	Kebisingan Maksimum, $L_{max}$	79.0		dB (A)	Sound Level Metric

\* Noise Standards Quality, Permenaker No. 5/2018

Signature   
 Name : Leni Mariani  
 Title : Technical Manager