

**Hasil Evaluasi Status Mutu Air Dengan Metode Index Pencemaran**  
**Dihitung Dengan Acuan Standar Klas II**

Sungai: Citanduy

Kode Stasiun: cty04

Tanggal : 11/20/2011

Parameter	Hasil Pengukuran	Standar Klas II	Index Pencemaran
Temperatur (c)			
DHL (mhos/Cm)			
Kekeruhan (NTU)			
pH	7.7000	6 - 9	0.13333
DO (mg/l)		4.00000	0.34609
COD (mg/l)	15.0000	25.00000	0.60000
BOD (mg/l)		3.00000	0.00000
TSS (mg/l)	133.0000	50.00000	3.12441
Nitrat (mg/l)	0.250000	10.00000	0.02500
Nitrit (mg/l)	0.0020	0.0600	0.03333
Amoniak (mg/l)	0.2610		
Total Nitrogen (mg/l)			
Total Fosfat (mg/l)	0.004000	0.20000	0.02000
Ortho Fosfat (mg/l)			
Deterjen (ug/l)	86.0000	200.00000	0.43000
Minyak Lemak (ug/l)	100.0000	1000.00000	0.10000
Fenol (ug/l)	5.0000	1.00000	4.49485
Fecal Coli (jml/100 ml)		1000.00000	0.00000
Total Coli (jml/100 ml)		5000.00000	0.00000
Mercury /Air Raksa (mg/l)		0.00200	0.00000
Chromium (mg/l)	0.0010	0.05000	0.02000
Cadmium (mg/l)	0.0010	0.01000	0.10000
Timbal (mg/l)	0.0040	0.03000	0.13333
Tembaga (mg/l)	0.0030	0.02000	0.15000
Besi (mg/l)	0.3520		
Mangan (mg/l)	0.0060		
Seng (mg/l)	0.0420	0.05000	0.84000
Sulfida (mg/l)		0.00200	0.00000
Sulfat (mg/l)	13.1000		
Clorida (mg/l)	6.0000		
Fluorida (mg/l)	0.0500	1.50000	0.03333
Sianida (mg/l)	0.003000	0.02000	0.15000
Selenium (mg/l)		0.05000	0.00000
Boron (mg/l)	0.0600	1.00000	0.06000
Arsen (mg/l)		1.00000	0.00000
Total Index Pencemaran			<b>3.2028</b>
Status Mutu Air			<b>Cemar Ringan</b>

Debit (m3/dt): 5.2000

Sungai: Citanduy

Kode Stasiun: cty04

Tanggal : 7/29/2012

Parameter	Hasil Pengukuran	Standar Klas II	Index Pencemaran
Temperatur (c)			
DHL (mhos/Cm)			
Kekeruhan (NTU)			
pH	7.8000	6 - 9	0.20000
DO (mg/l)		4.00000	0.34609
COD (mg/l)	9.5000	25.00000	0.38000
BOD (mg/l)		3.00000	0.00000
TSS (mg/l)	16.0000	50.00000	0.32000
Nitrat (mg/l)	0.200000	10.00000	0.02000
Nitrit (mg/l)	0.0020	0.0600	0.03333
Amoniak (mg/l)	0.0540		
Total Nitrogen (mg/l)			
Total Fosfat (mg/l)	0.060000	0.20000	0.30000
Ortho Fosfat (mg/l)			
Deterjen (ug/l)	10.0000	200.00000	0.05000
Minyak Lemak (ug/l)	100.0000	1000.00000	0.10000
Fenol (ug/l)	8.0000	1.00000	5.51545
Fecal Coli (jml/100 ml)		1000.00000	0.00000
Total Coli (jml/100 ml)		5000.00000	0.00000
Mercury /Air Raksa (mg/l)		0.00200	0.00000
Chromium (mg/l)	0.0030	0.05000	0.06000
Cadmium (mg/l)	0.0010	0.01000	0.10000
Timbal (mg/l)	0.0050	0.03000	0.16667
Tembaga (mg/l)	0.0030	0.02000	0.15000
Besi (mg/l)	0.0370		
Mangan (mg/l)	0.0420		
Seng (mg/l)	0.0010	0.05000	0.02000
Sulfida (mg/l)		0.00200	0.00000
Sulfat (mg/l)	10.2000		
Clorida (mg/l)	24.0000		
Fluorida (mg/l)	0.0500	1.50000	0.03333
Sianida (mg/l)	0.003000	0.02000	0.15000
Selenium (mg/l)		0.05000	0.00000
Boron (mg/l)	0.0900	1.00000	0.09000
Arsen (mg/l)		1.00000	0.00000
Total Index Pencemaran			<b>3.9108</b>
Status Mutu Air			<b>Cemar Ringan</b>

Debit (m3/dt): 101.4000

Sungai: Citanduy

Kode Stasiun: cty04

Tanggal : 8/30/2012

Parameter	Hasil Pengukuran	Standar Klas II	Index Pencemaran
Temperatur (c)			
DHL (mhos/Cm)			
Kekeruhan (NTU)			
pH	7.7000	6 - 9	0.13333
DO (mg/l)		4.00000	0.34609
COD (mg/l)	9.4000	25.00000	0.37600
BOD (mg/l)		3.00000	0.00000
TSS (mg/l)	12.0000	50.00000	0.24000
Nitrat (mg/l)	0.030000	10.00000	0.00300
Nitrit (mg/l)	0.0020	0.0600	0.03333
Amoniak (mg/l)	0.0890		
Total Nitrogen (mg/l)			
Total Fosfat (mg/l)	0.035000	0.20000	0.17500
Ortho Fosfat (mg/l)			
Deterjen (ug/l)	10.0000	200.00000	0.05000
Minyak Lemak (ug/l)	100.0000	1000.00000	0.10000
Fenol (ug/l)	2.0000	1.00000	2.50515
Fecal Coli (jml/100 ml)		1000.00000	0.00000
Total Coli (jml/100 ml)		5000.00000	0.00000
Mercury /Air Raksa (mg/l)		0.00200	0.00000
Chromium (mg/l)	0.0030	0.05000	0.06000
Cadmium (mg/l)	0.0010	0.01000	0.10000
Timbal (mg/l)	0.0050	0.03000	0.16667
Tembaga (mg/l)	0.0030	0.02000	0.15000
Besi (mg/l)	0.1570		
Mangan (mg/l)	0.0060		
Seng (mg/l)	0.0010	0.05000	0.02000
Sulfida (mg/l)		0.00200	0.00000
Sulfat (mg/l)	8.7000		
Clorida (mg/l)	32.0000		
Fluorida (mg/l)	0.0500	1.50000	0.03333
Sianida (mg/l)	0.003000	0.02000	0.15000
Selenium (mg/l)		0.05000	0.00000
Boron (mg/l)	0.0500	1.00000	0.05000
Arsen (mg/l)		1.00000	0.00000
Total Index Pencemaran			1.7798
Status Mutu Air Cemar Ringan			

Debit (m3/dt): 120.7000

Sungai: Citanduy

Kode Stasiun: cty04

Tanggal : 8/12/2012

Parameter	Hasil Pengukuran	Standar Klas II	Index Pencemaran
Temperatur (c)			
DHL (mhos/Cm)			
Kekeruhan (NTU)			
pH	8.0000	6 - 9	0.33333
DO (mg/l)		4.00000	0.34609
COD (mg/l)	13.0000	25.00000	0.52000
BOD (mg/l)		3.00000	0.00000
TSS (mg/l)	21.0000	50.00000	0.42000
Nitrat (mg/l)	0.030000	10.00000	0.00300
Nitrit (mg/l)	0.0040	0.0600	0.06667
Amoniak (mg/l)	0.2740		
Total Nitrogen (mg/l)			
Total Fosfat (mg/l)	0.064000	0.20000	0.32000
Ortho Fosfat (mg/l)			
Deterjen (ug/l)	23.0000	200.00000	0.11500
Minyak Lemak (ug/l)	100.0000	1000.00000	0.10000
Fenol (ug/l)	9.0000	1.00000	5.77121
Fecal Coli (jml/100 ml)		1000.00000	0.00000
Total Coli (jml/100 ml)		5000.00000	0.00000
Mercury /Air Raksa (mg/l)		0.00200	0.00000
Chromium (mg/l)	0.0030	0.05000	0.06000
Cadmium (mg/l)	0.0010	0.01000	0.10000
Timbal (mg/l)	0.0050	0.03000	0.16667
Tembaga (mg/l)	0.0030	0.02000	0.15000
Besi (mg/l)	0.1840		
Mangan (mg/l)	0.0380		
Seng (mg/l)	0.0300	0.05000	0.60000
Sulfida (mg/l)		0.00200	0.00000
Sulfat (mg/l)	12.2000		
Clorida (mg/l)	27.0000		
Fluorida (mg/l)	0.0500	1.50000	0.03333
Sianida (mg/l)	0.003000	0.02000	0.15000
Selenium (mg/l)		0.05000	0.00000
Boron (mg/l)	1.0000	1.00000	1.00000
Arsen (mg/l)		1.00000	0.00000
Total Index Pencemaran			<b>4.0988</b>
Status Mutu Air			<b>Cemar Ringan</b>

Debit (m3/dt): 80.1400

Sungai: Citanduy

Kode Stasiun: cty04

Tanggal : 9/9/2012

Parameter	Hasil Pengukuran	Standar Klas II	Index Pencemaran
Temperatur (c)			
DHL (mhos/Cm)			
Kekeruhan (NTU)			
pH	7.7000	6 - 9	0.13333
DO (mg/l)		4.00000	0.34609
COD (mg/l)	8.7000	25.00000	0.34800
BOD (mg/l)		3.00000	0.00000
TSS (mg/l)	41.0000	50.00000	0.82000
Nitrat (mg/l)	0.030000	10.00000	0.00300
Nitrit (mg/l)	0.0040	0.0600	0.06667
Amoniak (mg/l)	0.2600		
Total Nitrogen (mg/l)			
Total Fosfat (mg/l)	1.420000	0.20000	5.25629
Ortho Fosfat (mg/l)			
Deterjen (ug/l)	28.0000	200.00000	0.14000
Minyak Lemak (ug/l)	100.0000	1000.00000	0.10000
Fenol (ug/l)	2.0000	1.00000	2.50515
Fecal Coli (jml/100 ml)		1000.00000	0.00000
Total Coli (jml/100 ml)		5000.00000	0.00000
Mercury /Air Raksa (mg/l)		0.00200	0.00000
Chromium (mg/l)	0.0030	0.05000	0.06000
Cadmium (mg/l)	0.0010	0.01000	0.10000
Timbal (mg/l)	0.0050	0.03000	0.16667
Tembaga (mg/l)	0.0030	0.02000	0.15000
Besi (mg/l)	0.0550		
Mangan (mg/l)	0.0110		
Seng (mg/l)	0.0010	0.05000	0.02000
Sulfida (mg/l)		0.00200	0.00000
Sulfat (mg/l)	11.3000		
Clorida (mg/l)	39.7000		
Fluorida (mg/l)	0.0500	1.50000	0.03333
Sianida (mg/l)	0.003000	0.02000	0.15000
Selenium (mg/l)		0.05000	0.00000
Boron (mg/l)	0.0500	1.00000	0.05000
Arsen (mg/l)		1.00000	0.00000
Total Index Pencemaran			3.7357
Status Mutu Air Cemar Ringan			

Debit (m3/dt): 94.0100

Sungai: Citanduy

Kode Stasiun: cty04

Tanggal : 9/16/2012

Parameter	Hasil Pengukuran	Standar Klas II	Index Pencemaran
Temperatur (c)			
DHL (mhos/Cm)			
Kekeruhan (NTU)			
pH	7.8000	6 - 9	0.20000
DO (mg/l)		4.00000	0.34609
COD (mg/l)	8.8000	25.00000	0.35200
BOD (mg/l)		3.00000	0.00000
TSS (mg/l)	42.0000	50.00000	0.84000
Nitrat (mg/l)	0.030000	10.00000	0.00300
Nitrit (mg/l)	0.0040	0.0600	0.06667
Amoniak (mg/l)	0.2600		
Total Nitrogen (mg/l)			
Total Fosfat (mg/l)	1.420000	0.20000	5.25629
Ortho Fosfat (mg/l)			
Deterjen (ug/l)	28.0000	200.00000	0.14000
Minyak Lemak (ug/l)	100.0000	1000.00000	0.10000
Fenol (ug/l)	2.0000	1.00000	2.50515
Fecal Coli (jml/100 ml)		1000.00000	0.00000
Total Coli (jml/100 ml)		5000.00000	0.00000
Mercury /Air Raksa (mg/l)		0.00200	0.00000
Chromium (mg/l)	0.0030	0.05000	0.06000
Cadmium (mg/l)	0.0010	0.01000	0.10000
Timbal (mg/l)	0.0050	0.03000	0.16667
Tembaga (mg/l)	0.0030	0.02000	0.15000
Besi (mg/l)	0.0550		
Mangan (mg/l)	0.0110		
Seng (mg/l)	0.0010	0.05000	0.02000
Sulfida (mg/l)		0.00200	0.00000
Sulfat (mg/l)	11.3000		
Clorida (mg/l)	39.7000		
Fluorida (mg/l)	0.0500	1.50000	0.03333
Sianida (mg/l)	0.003000	0.02000	0.15000
Selenium (mg/l)		0.05000	0.00000
Boron (mg/l)	0.0500	1.00000	0.05000
Arsen (mg/l)		1.00000	0.00000
Total Index Pencemaran			<b>3.7360</b>
Status Mutu Air			<b>Cemar Ringan</b>

Debit (m3/dt): 94.8200