

Lampiran 1 Perhitungan koefisien persamaan lengkung debit suspensi
100 % data debit suspensi sedimen-graf I

No Urut	Q m ³ /det	Qs kg/det	Log Q X	Log Qs Y	X . Y	X ²	Y ²
1	2	3	4	5	6	7	8= 4 x 5
1	89,973	309,0	1,9541	2,4899	4,8656	3,8186	6,1997
2	89,063	384,8	1,9497	2,5853	5,0405	3,8013	6,6837
3	88,158	591,5	1,9453	2,7719	5,3921	3,7840	7,6835
4	85,468	485,1	1,9318	2,6858	5,1885	3,7319	7,2138
5	85,468	510,2	1,9318	2,7078	5,2309	3,7319	7,3321
6	84,579	442,7	1,9273	2,6461	5,0997	3,7143	7,0018
7	83,695	372,8	1,9227	2,5714	4,9441	3,6968	6,6124
8	82,815	358,0	1,9181	2,5539	4,8986	3,6791	6,5224
9	81,067	351,3	1,9088	2,5456	4,8592	3,6437	6,4802
10	79,336	336,3	1,8995	2,5267	4,7995	3,6080	6,3844
11	76,772	350,3	1,8852	2,5445	4,7968	3,5540	6,4742
12	72,583	307,6	1,8608	2,4880	4,6297	3,4627	6,1901
13	68,500	214,3	1,8357	2,3311	4,2792	3,3698	5,4340
14	66,102	292,2	1,8202	2,4656	4,4880	3,3132	6,0794
15	62,964	252,0	1,7991	2,4014	4,3203	3,2367	5,7666
16	60,656	248,8	1,7829	2,3958	4,2713	3,1786	5,7397
17	59,139	236,4	1,7719	2,3737	4,2059	3,1395	5,6345
18	56,158	217,8	1,7494	2,3380	4,0902	3,0604	5,4663
Jumlah			33,794	45,423	85,400	63,525	114,899

Sumber : Data Pustaka III

$$\begin{array}{l}
 (1) \quad Y \quad - \quad n \quad \log a \quad - \quad b \quad X \quad = \quad 0 \\
 (2) \quad X.Y \quad - \quad X \quad \log a \quad - \quad b \quad X^2 \quad = \quad 0 \\
 (1) \quad 45,423 \quad - \quad 18 \quad \log a \quad - \quad b \quad 33,794 \quad = \quad 0 \\
 (2) \quad 85,400 \quad - \quad 33,794 \quad \log a \quad - \quad b \quad 63,525 \quad = \quad 0 \\
 \text{Persamaan (2) dikalikan :} \quad 0,5320 \\
 (1) \quad 45,423 \quad - \quad 18 \quad \log a \quad - \quad b \quad 33,794 \quad = \quad 0 \\
 (2) \quad 45,432 \quad - \quad 17,978 \quad \log a \quad - \quad b \quad 33,794 \quad = \quad 0 \\
 \hline
 -0,009 \quad - \quad 0,0219 \quad \log a \quad = \quad 0 \\
 \quad \quad \quad 0,0219 \quad \log a \quad = \quad -0,0092 \\
 \quad \quad \quad \quad \quad \log a \quad = \quad -0,42177 \\
 \quad \quad \quad \quad \quad a \quad = \quad 0,378642 \\
 (1) \quad 45,423 \quad - \quad 18 \quad \log a \quad - \quad b \quad 33,794 \quad = \quad 0 \\
 \quad \quad \quad 45,423 \quad - \quad 18 \quad -0,422 \quad - \quad b \quad 33,794 \quad = \quad 0 \\
 \quad \quad \quad 45,423 \quad - \quad -7,59188 \quad - \quad b \quad 33,794 \quad = \quad 0 \\
 \quad \quad \quad \quad \quad \quad \quad 53,014 \quad - \quad b \quad 33,794 \quad = \quad 0 \\
 \quad \quad \quad \quad \quad \quad \quad b \quad 33,794 \quad = \quad 53,014 \\
 \quad \quad \quad \quad \quad \quad \quad \quad \quad b \quad = \quad 1,5687
 \end{array}$$

$$Q_s = 0,3786 Q^{1,5687}$$

Lampiran 2 Perhitungan koefisien persamaan lengkung debit suspensi
50 % data debit suspensi sedimen-graf 1

No Urut	Q m ³ /det	Qs kg/det	Log Q X	Log Qs Y	X . Y	X ²	Y ²
1	2	3	4	5	6	7	8= 4 x 5
1	89,973	309,0	1,9541	2,4899	4,8656	3,8186	6,1997
2	88,158	591,5	1,9453	2,7719	5,3921	3,7840	7,6835
3	85,468	510,2	1,9318	2,7078	5,2309	3,7319	7,3321
4	83,695	372,8	1,9227	2,5714	4,9441	3,6968	6,6124
5	81,067	351,3	1,9088	2,5456	4,8592	3,6437	6,4802
6	76,772	350,3	1,8852	2,5445	4,7968	3,5540	6,4742
7	68,500	214,3	1,8357	2,3311	4,2792	3,3698	5,4340
8	62,964	252,0	1,7991	2,4014	4,3203	3,2367	5,7666
9	59,139	236,4	1,7719	2,3737	4,2059	3,1395	5,6345
Jumlah			16,955	22,7373	42,8941	31,9749	57,6172

Sumber : Data Pustaka III

$$\begin{array}{rcl}
 (1) & Y & - & n & \log a & - & b & X & = & 0 \\
 (2) & X \cdot Y & - & X & \log a & - & b & X^2 & = & 0 \\
 (1) & 22,737 & - & 9 & \log a & - & b & 16,955 & = & 0 \\
 (2) & 42,894 & - & 16,95 & \log a & - & b & 31,975 & = & 0 \\
 & & & & \text{Persamaan (2) dikalikan :} & & & 0,5302 & & \\
 (1) & 22,737 & - & 9 & \log a & - & b & 16,955 & = & 0 \\
 (2) & 22,744 & - & 8,99 & \log a & - & b & 16,955 & = & 0 \\
 & -0,007 & - & 0,010 & \log a & & & & = & 0 \\
 & & & 0,010 & \log a & = & -0,0071 & & & \\
 & & & & \log a & = & -0,7164 & & & \\
 & & & & a & = & 0,1921 & & & \\
 (1) & 22,737 & - & 9 & \log a & - & b & 16,955 & = & 0 \\
 & 22,737 & - & 9 & -0,72 & - & b & 16,955 & = & 0 \\
 & 22,737 & - & -6,44775 & & - & b & 16,955 & = & 0 \\
 & & & & & & 29,19 & - & b & 16,955 & = & 0 \\
 & & & & b & 16,95 & = & 29,185 & & & \\
 & & & & & & b & = & 1,7214 & &
 \end{array}$$

$$Q_s = 0,1921 Q^{1,7214}$$

Lampiran 3 Perhitungan koefisien persamaan lengkung debit suspensi
33 % data debit suspensi sedimen-graf 1

No Urut	Q m ³ /det	Qs kg/det	Log Q X	Log Qs Y	X . Y	X ²	Y ²
1	2	3	4	5	6	7	8= 4 x 5
1	89,973	309,0	1,9541	2,4899	4,8656	3,8186	6,1997
2	85,468	485,1	1,9318	2,6858	5,1885	3,7319	7,2138
3	83,695	372,8	1,9227	2,5714	4,9441	3,6968	6,6124
4	79,336	336,3	1,8995	2,5267	4,7995	3,6080	6,3844
5	68,500	214,3	1,8357	2,3311	4,2792	3,3698	5,4340
6	60,656	248,8	1,7829	2,3958	4,2713	3,1786	5,7397
Jumlah			11,327	15,0008	28,3482	21,4036	37,5839

Sumber : Data Pustaka III

$$\begin{array}{rcl}
 (1) & Y & - n \log a - b \cdot X = 0 \\
 (2) & X \cdot Y & - X \log a - b \cdot X^2 = 0 \\
 (1) & 15,001 & - 6 \log a - b \cdot 11,327 = 0 \\
 (2) & 28,348 & - 11,33 \log a - b \cdot 21,404 = 0 \\
 & & \text{Persamaan (2) dikalikan : } 0,5292 \\
 (1) & 15,001 & - 6 \log a - b \cdot 11,327 = 0 \\
 (2) & 15,002 & - 5,99 \log a - b \cdot 11,327 = 0 \\
 & -0,001 & - 0,006 \log a = 0 \\
 & & 0,006 \log a = -0,0009 \\
 & & \log a = -0,1494 \\
 & & a = 0,7089 \\
 (1) & 15,001 & - 6 \log a - b \cdot 11,327 = 0 \\
 & 15,001 & - 6 \cdot -0,15 - b \cdot 11,327 = 0 \\
 & 15,001 & - 0,89638 - b \cdot 11,327 = 0 \\
 & & 15,90 - b \cdot 11,327 = 0 \\
 & & b \cdot 11,33 = 15,897 \\
 & & b = 1,4035
 \end{array}$$

$Q_s = 0,7089 Q^{1,4035}$

Lampiran 4 Perhitungan koefisien korelasi R antara debit aliran dan debit suspensi sedimen-graf 1

$$R = \frac{n \Sigma XY - \Sigma X \Sigma Y}{[n \Sigma X^2 - (\Sigma X)^2]^{1/2} [n \Sigma Y^2 - (\Sigma Y)^2]^{1/2}}$$

A. Koefisien korelasi R - 100 % data debit suspensi sedimen-graf 1 Sumber : Lampiran 1

$$R = \frac{18 \times 85,400216 - 33,794258 \times 45,422595}{[18 \times 63,524565 - 1142,051903^2]^{1/2} [18 \times 114,898761 - 45,422595^2]^{1/2}}$$

$$R = \frac{1537,203895 - 1535,022930}{[1143,442167 - 1142,051903]^{1/2} \times [2068,177705 - 2063,212179]^{1/2}}$$

$$R = \frac{2,1809652}{1,179094 \times 2,228346} = 0,83$$

B. Koefisien korelasi R - 50 % data debit suspensi sedimen-graf 1 Sumber : Lampiran 2

$$R = \frac{9 \times 42,894108 - 16,954581 \times 22,737328}{[9 \times 31,974942 - 16,954581^2]^{1/2} [9 \times 57,617221 - 22,737328^2]^{1/2}}$$

$$R = \frac{386,046968 - 385,501865}{[287,774478 - 287,457810]^{1/2} \times [518,554991 - 516,986086]^{1/2}}$$

$$R = \frac{0,545103}{0,562733 \times 1,252560} = 0,77$$

C. Koefisien korelasi R - 33 % data debit suspensi sedimen-graf 1 Sumber : Lampiran 3

$$R = \frac{6 \times 28,348200 - 11,327000 \times 15,000800}{[6 \times 21,403600 - 11,327000^2]^{1/2} [6 \times 37,583900 - 15,000800^2]^{1/2}}$$

$$R = \frac{170,089200 - 169,914062}{[128,421600 - 128,300929]^{1/2} \times [225,503400 - 225,024001]^{1/2}}$$

$$R = \frac{0,175138}{0,347377 \times 0,692387} = 0,73$$

Lampiran 5 Perhitungan koefisien persamaan lengkung debit suspensi
100 % data debit suspensi sedimen-graf 2

No Urut	Q m ³ /det	Qs kg/det	Log Q X	Log Qs Y	X . Y	X ²	Y ²
1	56,897	77,0	1,7551	1,8867	3,3113	3,0803	3,5597
2	55,423	185,8	1,7437	2,2691	3,9566	3,0405	5,1489
3	53,246	184,5	1,7263	2,2660	3,9117	2,9801	5,1347
4	49,705	153,1	1,6964	2,1850	3,7066	2,8778	4,7740
5	49,010	141,0	1,6903	2,1491	3,6325	2,8571	4,6185
6	47,633	137,5	1,6779	2,1384	3,5880	2,8154	4,5726
7	46,275	122,9	1,6653	2,0896	3,4799	2,7734	4,3663
8	44,269	108,2	1,6461	2,0344	3,3488	2,7096	4,1387
9	42,954	108,8	1,6330	2,0368	3,3261	2,6667	4,1486
10	39,747	97,5	1,5993	1,9892	3,1813	2,5578	3,9568
11	39,119	90,8	1,5924	1,9582	3,1183	2,5357	3,8347
12	37,877	75,9	1,5784	1,8801	2,9674	2,4913	3,5346
13	36,652	60,8	1,5641	1,7837	2,7899	2,4464	3,1815
14	33,670	52,7	1,5272	1,7215	2,6291	2,3325	2,9635
15	33,089	54,7	1,5197	1,7382	2,6415	2,3094	3,0214
16	31,938	49,7	1,5043	1,6966	2,5522	2,2629	2,8784
17	31,369	45,7	1,4965	1,6597	2,4837	2,2395	2,7545
18	30,805	42,0	1,4886	1,6238	2,4172	2,2160	2,6366
19	30,246	44,1	1,4807	1,6447	2,4353	2,1924	2,7051
20	29,141	38,6	1,4645	1,5861	2,3228	2,1448	2,5156
		Jumlah	32,050	38,337	61,800	51,529	74,445

$$\begin{aligned}
 (1) \quad & Y - n \log a - b \cdot X = 0 \\
 (2) \quad & XY - X \log a - b \cdot X^2 = 0 \\
 (1) \quad & 38,337 - 20 \log a - b \cdot 32,050 = 0 \\
 (2) \quad & 61,800 - 32,050 \log a - b \cdot 51,529 = 0 \\
 & \text{Persamaan (2) dikalikan :} \quad 0,6220 \\
 (1) \quad & 38,337 - 20 \log a - b \cdot 32,050 = 0 \\
 (2) \quad & 38,438 - 19,934 \log a - b \cdot 32,050 = 0 \\
 & -0,101 - 0,0660 \log a = 0 \\
 & \quad \quad \quad 0,0660 \log a = -0,1013 \\
 & \quad \quad \quad \log a = -1,53579 \\
 & \quad \quad \quad a = 0,0291212 \\
 (1) \quad & 38,337 - 20 \log a - b \cdot 32,050 = 0 \\
 & 38,337 - 20(-1,536) - b \cdot 32,050 = 0 \\
 & 38,337 - (-30,7158) - b \cdot 32,050 = 0 \\
 & \quad \quad \quad 69,05 - b \cdot 32,050 = 0 \\
 & \quad \quad \quad b \cdot 32,05 = 69,052 \\
 & \quad \quad \quad b = 2,1545
 \end{aligned}$$

$$Q_s = 0,0291 Q^{2,1545}$$

Lampiran 6 Perhitungan koefisien persamaan lengkung debit suspensi 50 % data debit suspensi sedimen-graf 2

No Urut	Q m ³ /det	Qs kg/det	Log Q X	Log Qs Y	X . Y	\sum X	\sum Y
1	2	3	4	5	6	7	8= 4 x 5
1	56,897	77,039	1,7551	1,8867	3,3113	3,0803	3,5597
2	53,246	184,497	1,7263	2,2660	3,9117	2,9801	5,1347
3	49,010	140,953	1,6903	2,1491	3,6325	2,8571	4,6185
4	46,275	122,906	1,6653	2,0896	3,4799	2,7734	4,3663
5	42,954	108,845	1,6330	2,0368	3,3261	2,6667	4,1486
6	39,119	90,834	1,5924	1,9582	3,1183	2,5357	3,8347
7	36,652	60,769	1,5641	1,7837	2,7899	2,4464	3,1815
8	33,089	54,729	1,5197	1,7382	2,6415	2,3094	3,0214
9	31,369	45,673	1,4965	1,6597	2,4837	2,2395	2,7545
10	30,246	44,129	1,4807	1,6447	2,4353	2,1924	2,7051
	Jumlah		16,123	19,2127	31,1303	26,0810	37,3251

Sumber : Data Pustaka III

$$\begin{array}{rcl}
 (1) & Y & - & n & \log a & - & b & X & = & 0 \\
 & & & & & & & \sum & & \\
 (2) & X Y & - & X & \log a & - & b & X & = & 0 \\
 (1) & 19,213 & - & 10 & \log a & - & b & 16,123 & = & 0 \\
 (2) & 31,130 & - & 16,12 & \log a & - & b & 26,081 & = & 0 \\
 & & & & \text{Persamaan (2) dikalikan :} & & & & & 0,6182 \\
 (1) & 19,213 & - & 10 & \log a & - & b & 16,123 & = & 0 \\
 (2) & 19,245 & - & 9,97 & \log a & - & b & 16,123 & = & 0 \\
 & -0,0322 & - & & 0,032 & \log a & & & = & 0 \\
 & & & & 0,032 & \log a & & & = & -0,0322 \\
 & & & & & \log a & & & = & -0,9896 \\
 & & & & & & a = & & & 0,1024 \\
 (1) & 19,213 & - & 10 & \log a & - & b & 16,123 & = & 0 \\
 & 19,213 & - & 10 & -0,99 & - & b & 16,123 & = & 0 \\
 & 19,213 & - & -9,89629 & & - & b & 16,123 & = & 0 \\
 & & & & 29,11 & - & b & 16,123 & = & 0 \\
 & & & b & 16,12 & = & & 29,109 & & \\
 & & & & & b = & & 1,8054 & &
 \end{array}$$

$$Q_s = 0,1024 Q^{1,8054}$$

Lampiran 8 Perhitungan koefisien korelasi R antara debit aliran dan debit suspensi sedimen-graf 2

$$R = \frac{n \Sigma XY - \Sigma X \Sigma Y}{[\Sigma X^2 - (\Sigma X)^2]^{1/2} [\Sigma Y^2 - (\Sigma Y)^2]^{1/2}}$$

A. Koefisien korelasi R - 100 % data debit suspensi sedimen-graf 2 Sumber : Lampiran 5

$$R = \frac{20 \times 61,800000 - 32,050000 \times 38,337000}{[20 \times 51,529000 - 32,050000^2]^{1/2} [20 \times 74,445000 - 38,337^2]^{1/2}}$$

$$R = \frac{1236,000000 - 1228,700850}{[1030,580000 - 1027,202500]^{1/2} \times [1488,900000 - 1469,725569]^{1/2}}$$

$$R = \frac{7,299150}{1,837798 \times 4,378862} = 0,91$$

B. Koefisien korelasi R - 50 % data debit suspensi sedimen-graf 1 Sumber : Lampiran 6

$$R = \frac{10 \times 31,130300 - 16,123000 \times 19,212700}{[10 \times 26,081000 - 16,123000^2]^{1/2} [10 \times 37,3251000 - 19,212700^2]^{1/2}}$$

$$R = \frac{311,303000 - 309,766362}{[260,810000 - 259,951129]^{1/2} \times [373,251000 - 369,127841]^{1/2}}$$

$$R = \frac{1,5366379}{0,926753 \times 2,030556} = 0,82$$

C. Koefisien korelasi R - 33 % data debit suspensi sedimen-graf 2 Sumber : Lampiran 7

$$R = \frac{7 \times 21,456400 - 11,265000 \times 13,275400}{[7 \times 18,191000 - 11,265000^2]^{1/2} [7 \times 25,421900 - 13,275400^2]^{1/2}}$$

$$R = \frac{150,194800 - 149,547381}{[127,337000 - 126,900225]^{1/2} \times [177,953300 - 176,236245]^{1/2}}$$

$$R = \frac{0,6474190}{0,660890 \times 1,310364} = 0,75$$

Lampiran 9 Perhitungan koefisien persamaan lengkung debit suspensi
100 % data debit suspensi sedimen-graf 3

No Urut	Q m ³ /det	Qs kg/det	Log Q X	Log Qs Y	X . Y	X ² X	Y ² Y
1	42,954	75,5	1,6330	1,8780	3,0668	2,6667	3,5270
2	42,304	98,7	1,6264	1,9941	3,2432	2,6451	3,9765
3	41,658	134,8	1,6197	2,1296	3,4493	2,6234	4,5351
4	40,379	137,2	1,6062	2,1374	3,4330	2,5797	4,5684
5	39,119	116,8	1,5924	2,0675	3,2922	2,5357	4,2745
6	37,877	109,4	1,5784	2,0388	3,2180	2,4913	4,1568
7	33,671	100,1	1,5273	2,0006	3,0554	2,3325	4,0024
8	32,511	83,5	1,5120	1,9215	2,9053	2,2862	3,6920
9	31,938	81,3	1,5043	1,9102	2,8735	2,2629	3,6487
10	30,805	71,9	1,4886	1,8569	2,7642	2,2160	3,4481
11	29,141	69,6	1,4645	1,8427	2,6987	2,1448	3,3956
12	27,518	54,7	1,4396	1,7378	2,5018	2,0725	3,0200
13	26,460	49,6	1,4226	1,6954	2,4118	2,0238	2,8742
14	25,420	51,0	1,4052	1,7075	2,3993	1,9745	2,9156
15	23,897	47,4	1,3783	1,6761	2,3102	1,8998	2,8093
16	22,904	43,0	1,3599	1,6331	2,2209	1,8494	2,6672
17	21,931	40,2	1,3411	1,6045	2,1517	1,7984	2,5743
18	20,977	37,5	1,3217	1,5746	2,0812	1,7470	2,4794
19	20,507	31,6	1,3119	1,5003	1,9682	1,7211	2,2508
Jumlah			28,133	34,906	52,045	41,871	64,816

Sumber : Data Pustaka III

$$\begin{array}{l}
 (1) \quad Y \quad - \quad n \quad \log a \quad - \quad b \quad X \quad = \quad 0 \\
 (2) \quad XY \quad - \quad X \quad \log a \quad - \quad b \quad X \quad = \quad 0 \\
 (1) \quad 34,906 \quad - \quad 19 \quad \log a \quad - \quad b \quad 28,133 \quad = \quad 0 \\
 (2) \quad 52,045 \quad - \quad 28,133 \quad \log a \quad - \quad b \quad 41,871 \quad = \quad 0 \\
 \text{Persamaan (2) dikalikan :} \quad 0,6719 \\
 (1) \quad 34,906 \quad - \quad 19 \quad \log a \quad - \quad b \quad 28,133 \quad = \quad 0 \\
 (2) \quad 34,969 \quad - \quad 18,903 \quad \log a \quad - \quad b \quad 28,133 \quad = \quad 0 \\
 \hline
 -0,062 \quad - \quad 0,0974 \quad \log a \quad = \quad 0 \\
 \quad \quad \quad 0,0974 \quad \log a \quad = \quad -0,0624 \\
 \quad \quad \quad \quad \quad \log a \quad = \quad -0,640958 \\
 \quad \quad \quad \quad \quad a \quad = \quad 0,2285822 \\
 (1) \quad 34,906 \quad - \quad 19 \quad \log a \quad - \quad b \quad 28,133 \quad = \quad 0 \\
 \quad \quad \quad 34,906 \quad - \quad 19 \quad -0,641 \quad - \quad b \quad 28,133 \quad = \quad 0 \\
 \quad \quad \quad 34,906 \quad - \quad -12,17819 \quad - \quad b \quad 28,133 \quad = \quad 0 \\
 \quad \quad \quad \quad \quad \quad \quad \quad 47,085 \quad - \quad b \quad 28,133 \quad = \quad 0 \\
 \quad \quad \quad \quad \quad \quad \quad \quad b \quad 28,133 \quad = \quad 47,085 \\
 \quad \quad \quad \quad \quad \quad \quad \quad \quad \quad b \quad = \quad 1,6736
 \end{array}$$

$$Q_s = 0,22858 Q^{1,6736}$$

Lampiran 10 Perhitungan koefisien persamaan lengkung debit suspensi
50 % data debit suspensi sedimen-graf 3

No Urut	Q m ³ /det	Qs kg/det	Log Q X	Log Qs Y	X . Y	X ²	Y ² 8= 4 x 5
1	2	3	4	5	6	7	8= 4 x 5
1	42,954	75,5	1,6330	1,8780	3,0668	2,6667	3,5270
2	41,658	134,8	1,6197	2,1296	3,4493	2,6234	4,5351
3	39,119	116,8	1,5924	2,0675	3,2922	2,5357	4,2745
4	33,671	100,1	1,5273	2,0006	3,0554	2,3325	4,0024
5	31,938	81,3	1,5043	1,9102	2,8735	2,2629	3,6487
6	29,141	69,6	1,4645	1,8427	2,6987	2,1448	3,3956
7	26,460	49,6	1,4226	1,6954	2,4118	2,0238	2,8742
8	23,897	47,4	1,3783	1,6761	2,3102	1,8998	2,8093
9	21,931	40,2	1,3411	1,6045	2,1517	1,7984	2,5743
10	20,507	31,6	1,3119	1,5003	1,9682	1,7211	2,2508
Jumlah			14,795	18,3047	27,2778	22,0092	33,8919

Sumber : Data Pustaka III

$$\begin{array}{l}
 (1) \quad Y \quad - \quad n \quad \log a \quad - \quad b \quad X \quad = \quad 0 \\
 (2) \quad X Y \quad - \quad X \quad \log a \quad - \quad b \quad X \quad = \quad 0 \\
 (1) \quad 18,305 \quad - \quad 10 \quad \log a \quad - \quad b \quad 14,795 \quad = \quad 0 \\
 (2) \quad 27,278 \quad - \quad 14,80 \quad \log a \quad - \quad b \quad 22,009 \quad = \quad 0 \\
 \text{Persamaan (2) dikalikan :} \quad 0,6722 \\
 (1) \quad 18,305 \quad - \quad 10 \quad \log a \quad - \quad b \quad 14,795 \quad = \quad 0 \\
 (2) \quad 18,337 \quad - \quad 9,95 \quad \log a \quad - \quad b \quad 14,795 \quad = \quad 0 \\
 \hline
 -0,0320 \quad - \quad 0,054 \quad \log a \quad = \quad 0 \\
 \quad \quad \quad 0,054 \quad \log a \quad = \quad -0,0320 \\
 \quad \quad \quad \log a = \quad -0,5879 \\
 \quad \quad \quad a = \quad 0,2583 \\
 (1) \quad 18,305 \quad - \quad 10 \quad \log a \quad - \quad b \quad 14,795 \quad = \quad 0 \\
 \quad \quad \quad 18,305 \quad - \quad 10 \quad -0,59 \quad - \quad b \quad 14,795 \quad = \quad 0 \\
 \quad \quad \quad 18,305 \quad - \quad -5,879225 \quad - \quad b \quad 14,795 \quad = \quad 0 \\
 \quad \quad \quad \quad \quad \quad \quad 24,18 \quad - \quad b \quad 14,795 \quad = \quad 0 \\
 \quad \quad \quad \quad \quad \quad \quad b \quad 14,80 \quad = \quad 24,184 \\
 \quad \quad \quad \quad \quad \quad \quad b = \quad 1,6346
 \end{array}$$

$$Q_s = 0,2583 Q^{1,6346}$$

Lampiran 11 Perhitungan koefisien persamaan lengkung debit suspensi
33 % data debit suspensi sedimen-graf 3

No Urut	Q m ³ /det	Qs kg/det	Log Q X	Log Qs Y	X . Y	X ²	Y ² 8= 4 x 5
1	2	3	4	5	6	7	8= 4 x 5
1	42,954	75,5	1,6330	1,8780	3,0668	2,6667	3,5270
2	40,379	137,2	1,6062	2,1374	3,4330	2,5797	4,5684
3	33,671	100,1	1,5273	2,0006	3,0554	2,3325	4,0024
4	30,805	71,9	1,4886	1,8569	2,7642	2,2160	3,4481
5	26,460	49,6	1,4226	1,6954	2,4118	2,0238	2,8742
6	22,904	43,0	1,3599	1,6331	2,2209	1,8494	2,6672
7	20,507	31,6	1,3119	1,5003	1,9682	1,7211	2,2508
Jumlah			10,349	12,7017	18,9204	15,3891	23,3381

Sumber : Data Pustaka III

(1)	Y	-	n	log a	-	b.	X	=	0
(2)	X Y	-	X	log a	-	b.	X ²	=	0
(1)	12,702	-	7	log a	-	b.	10,349	=	0
(2)	18,920	-	10,35	log a	-	b.	15,389	=	0
Persamaan (2) dikalikan :									0,6725
(1)	12,702	-	7	log a	-	b.	10,349	=	0
(2)	12,724	-	6,96	log a	-	b.	10,349	=	0
	-0,0226	-	0,040	log a				=	0
			0,040	log a	=		-0,0226		
				log a =			-0,5664		
				a =			0,2714		
(1)	12,702	-	7	log a	-	b.	10,349	=	0
	12,702	-	7	-0,57	-	b.	10,349	=	0
	12,702	-	-3,9646		-	b.	10,349	=	0
				16,67	-	b.	10,349	=	0
			b.	10,35	=		16,666		
				b =			1,6104		

$Q_s = 0,2714 Q^{1,6104}$

Lampiran 12 Perhitungan koefisien korelasi R antara debit aliran dan debit suspensi sedimen-graf 3

$$R = \frac{n \Sigma XY - \Sigma X \Sigma Y}{[\Sigma X^2 - (\Sigma X)^2]^{1/2} [\Sigma Y^2 - (\Sigma Y)^2]^{1/2}}$$

A. Koefisien korelasi R - 100 % data debit suspensi sedimen-graf 1 Sumber : Lampiran 9

$$R = \frac{19 \times 52,045000 - 28,133000 \times 34,906000}{[19 \times 41,871000 - 28,133000^2]^{1/2} [19 \times 64,816000 - 34,906000^2]^{1/2}}$$

$$R = \frac{988,855000 - 982,010498}{[795,549000 - 791,465689]^{1/2} \times [1231,504000 - 1218,428836]^{1/2}}$$

$$R = \frac{6,844502}{2,020720 \times 3615960} = 0,94$$

B. Koefisien korelasi R - 50 % data debit suspensi sedimen-graf 1 Sumber : Lampiran 10

$$R = \frac{10 \times 27,277800 - 14,795000 \times 18,304700}{[10 \times 22,009200 - 14,795000^2]^{1/2} [10 \times 33,891900 - 18,304700^2]^{1/2}}$$

$$R = \frac{272,7780 - 270,818037}{[220,092000 - 218,892025]^{1/2} \times [338,919000 - 335,062042]^{1/2}}$$

$$R = \frac{1,959964}{1,095434 \times 1,963914} = 0,91$$

C. Koefisien korelasi R - 33 % data debit suspensi sedimen-graf 1 Sumber : Lampiran 11

$$R = \frac{7 \times 15,389100 - 10,349000 \times 12,701700}{[7 \times 15,389100 - 10,349000^2]^{1/2} [7 \times 23,338100 - 12,701700^2]^{1/2}}$$

$$R = \frac{132,4428800 - 131,44983}{[107,723700 - 107,101801]^{1/2} \times [163,366700 - 161,333183]^{1/2}}$$

$$R = \frac{0,992907}{0,788606 \times 1,426014} = 0,88$$

Lampiran 13 Perhitungan koefisien persamaan lengkung debit suspensi
100 % data debit suspensi sedimen-graf 4

No Urut	Q m ³ /det	Qs kg/det	Log Q X	Log Qs Y	X . Y	X ²	Y ²
1	18,703	44,8	1,2719	1,6518	2,1009	1,6178	2,7283
2	76,772	255,6	1,8852	2,4075	4,5387	3,5540	5,7961
3	72,583	316,1	1,8608	2,4998	4,6518	3,4627	6,2491
4	68,500	297,5	1,8357	2,4735	4,5405	3,3698	6,1181
5	63,742	262,5	1,8044	2,4191	4,3651	3,2560	5,8521
6	60,656	259,4	1,7829	2,4140	4,3039	3,1786	5,8275
7	57,640	237,5	1,7607	2,3757	4,1830	3,1001	5,6441
8	53,246	213,4	1,7263	2,3292	4,0209	2,9801	5,4252
9	52,529	198,6	1,7204	2,2979	3,9533	2,9598	5,2803
10	51,816	200,3	1,7145	2,3017	3,9462	2,9394	5,2979
11	51,108	188,4	1,7085	2,2752	3,8871	2,9189	5,1764
12	50,404	181,0	1,7025	2,2576	3,8434	2,8984	5,0966
13	48,319	168,0	1,6841	2,2253	3,7477	2,8363	4,9521
14	46,274	156,3	1,6653	2,1939	3,6535	2,7733	4,8131
15	43,609	131,1	1,6396	2,1176	3,4719	2,6882	4,4841
16	41,016	122,5	1,6130	2,0882	3,3682	2,6016	4,3605
17	39,347	112,8	1,5949	2,0522	3,2731	2,5437	4,2115
18	38,405	101,9	1,5844	2,0083	3,1819	2,5103	4,0332
19	37,877	92,1	1,5784	1,9642	3,1002	2,4913	3,8579
20	36,652	85,0	1,5641	1,9296	3,0181	2,4464	3,7233
		Jumlah	33,698	44,282	75,149	57,127	98,927

$$\begin{aligned}
 (1) \quad Y &= a + bX \\
 (2) \quad XY &= aX + bX^2 \\
 (1) \quad 44,282 &= a + b(20) \\
 (2) \quad 75,149 &= a(20) + b(33,698) \\
 \text{Persamaan (2) dikalikan :} & \quad 0,5899 \\
 (1) \quad 44,282 &= a + b(20) \\
 (2) \quad 44,329 &= a(19,877) + b(33,698) \\
 -0,046 &= 0,1227 \log a \\
 & \quad 0,1227 \log a = -0,0465 \\
 \log a &= -0,378605 \\
 a &= 0,4182105 \\
 (1) \quad 44,282 &= a + b(20) \\
 44,282 &= 20(-0,379) + b(33,698) \\
 44,282 &= -7,5721 + b(33,698) \\
 & \quad 51,854 = b(33,698) \\
 b &= 1,5388
 \end{aligned}$$

$$Q_s = 0,41821 Q^{1,5388}$$

Lampiran 14 Perhitungan koefisien persamaan lengkung debit suspensi
50 % data debit suspensi sedimen-graf 4

No Urut	Q m ³ /det	Qs kg/det	Log Q X	Log Qs Y	X . Y	$\sum X$	$\sum Y$
1	2	3	4	5	6	7	8= 4 x 5
1	18,703	44,850	1,2719	1,6518	2,1009	1,6178	2,7283
2	72,583	316,099	1,8608	2,4998	4,6518	3,4627	6,2491
3	63,742	262,490	1,8044	2,4191	4,3651	3,2560	5,8521
4	57,640	237,534	1,7607	2,3757	4,1830	3,1001	5,6441
5	52,529	198,560	1,7204	2,2979	3,9533	2,9598	5,2803
6	51,108	188,435	1,7085	2,2752	3,8871	2,9189	5,1764
7	48,319	168,005	1,6841	2,2253	3,7477	2,8363	4,9521
8	43,609	131,089	1,6396	2,1176	3,4719	2,6882	4,4841
9	39,347	112,769	1,5949	2,0522	3,2731	2,5437	4,2115
10	37,877	92,079	1,5784	1,9642	3,1002	2,4913	3,8579
	Jumlah		16,624	21,8787	36,7340	27,8747	48,4358

Sumber : Data Pustaka III

$$\begin{array}{rcl}
 (1) & Y & - n \log a - b \cdot X = 0 \\
 (2) & XY & - X \log a - b \cdot X = 0 \\
 (1) & 21,879 & - 10 \log a - b \cdot 16,624 = 0 \\
 (2) & 36,734 & - 16,624 \log a - b \cdot 27,875 = 0 \\
 & & \text{Persamaan (2) dikalikan : } 0,5964 \\
 (1) & 21,879 & - 10 \log a - b \cdot 16,624 = 0 \\
 (2) & 21,907 & - 9,91 \log a - b \cdot 16,624 = 0 \\
 \hline
 & -0,0285 & - 0,086 \log a = 0 \\
 & & 0,086 \log a = -0,0285 \\
 & & \log a = -0,3310 \\
 & & a = 0,4667 \\
 \\
 (1) & 21,879 & - 10 \log a - b \cdot 16,624 = 0 \\
 & 21,879 & - 10 -0,33 - b \cdot 16,624 = 0 \\
 & 21,879 & - -3,30985 - b \cdot 16,624 = 0 \\
 & & 25,19 - b \cdot 16,624 = 0 \\
 & & b \cdot 16,62 = 25,189 \\
 & & b = 1,5152
 \end{array}$$

$$Q_s = 0,4667 Q^{1,515}$$

Lampiran 15 Perhitungan koefisien persamaan lengkung debit suspensi
33 % data debit suspensi sedimen-graf 4

No Urut	Q m ³ /det	Qs kg/det	Log Q X	Log Qs Y	X . Y	X ²	Y ²
1	2	3	4	5	6	7	8= 4 x 5
1	18,703	44,8	1,2719	1,6518	2,1009	1,6178	2,7283
2	68,500	297,5	1,8357	2,4735	4,5405	3,3698	6,1181
3	57,640	237,5	1,7607	2,3757	4,1830	3,1001	5,6441
4	51,816	200,3	1,7145	2,3017	3,9462	2,9394	5,2979
5	48,319	168,0	1,6841	2,2253	3,7477	2,8363	4,9521
6	41,016	122,5	1,6130	2,0882	3,3682	2,6016	4,3605
7	37,877	92,1	1,5784	1,9642	3,1002	2,4913	3,8579
Jumlah			11,458	15,0804	24,9867	18,9562	32,9590

Sumber : Data Pustaka III

$$\begin{array}{l}
 (1) \quad Y \quad - \quad n \quad \log a \quad - \quad b \quad X \quad = \quad 0 \\
 (2) \quad X Y \quad - \quad X \quad \log a \quad - \quad b \quad X^2 \quad = \quad 0 \\
 (1) \quad 15,080 \quad - \quad 7 \quad \log a \quad - \quad b \quad 11,458 \quad = \quad 0 \\
 (2) \quad 24,987 \quad - \quad 11,46 \quad \log a \quad - \quad b \quad 18,956 \quad = \quad 0 \\
 \text{Persamaan (2) dikalikan :} \quad 0,6045 \\
 (1) \quad 15,080 \quad - \quad 7 \quad \log a \quad - \quad b \quad 11,458 \quad = \quad 0 \\
 (2) \quad 15,103 \quad - \quad 6,93 \quad \log a \quad - \quad b \quad 11,458 \quad = \quad 0 \\
 \hline
 -0,023 \quad - \quad 0,074 \quad \log a \quad = \quad 0 \\
 \quad \quad 0,074 \quad \log a \quad = \quad -0,0231 \\
 \quad \quad \quad \log a \quad = \quad -0,3118 \\
 \quad \quad \quad \quad \quad a = \quad 0,4878 \\
 (1) \quad 15,080 \quad - \quad 7 \quad \log a \quad - \quad b \quad 11,458 \quad = \quad 0 \\
 \quad \quad 15,080 \quad - \quad 7 \quad -0,31 \quad - \quad b \quad 11,458 \quad = \quad 0 \\
 \quad \quad 15,080 \quad - \quad -2,18261 \quad - \quad b \quad 11,458 \quad = \quad 0 \\
 \quad \quad \quad \quad \quad 17,26 \quad - \quad b \quad 11,458 \quad = \quad 0 \\
 \quad \quad \quad \quad \quad b \quad 11,46 \quad = \quad 17,263 \\
 \quad \quad \quad \quad \quad \quad \quad b = \quad 1,5066
 \end{array}$$

Qs = 0,4878 Q ^{1,5066}

Lampiran 16 Perhitungan koefisien korelasi R antara debit aliran dan debit suspensi sedimen-graf 4

$$R = \frac{n \Sigma XY - \Sigma X \Sigma Y}{[n \Sigma X^2 - (\Sigma X)^2]^{1/2} [n \Sigma Y^2 - (\Sigma Y)^2]^{1/2}}$$

A Koefisien korelasi R - 100 % data debit suspensi sedimen-graf 4 Sumber : Lampiran 13

$$R = \frac{20 \times 75,149000 - 33,698000 \times 44,282000}{[20 \times 57,127000 - 33,698000^2]^{1/2} [20 \times 98,927000 - 44,282000^2]^{1/2}}$$

$$R = \frac{1503,000 - 1492,214836}{[1142,540000 - 1135,555204]^{1/2} \times [1978,540000 - 1960,895524]^{1/2}}$$

$$R = \frac{10,765164}{2,642876 \times 4,200533} = 0,97$$

B Koefisien korelasi R - 50 % data debit suspensi sedimen-graf 4 Sumber : Lampiran 14

$$R = \frac{10 \times 36,734000 - 16,624000 \times 21,8787}{[10 \times 27,874700 - 16,624000^2]^{1/2} [10 \times 48,435800 - 21,878700^2]^{1/2}}$$

$$R = \frac{367,340000 - 363,711509}{[278,747000 - 276,57376]^{1/2} \times [484,435800 - 478,6777514]^{1/2}}$$

$$R = \frac{3,628491}{1,545841 \times 2,383377} = 0,98$$

C Koefisien korelasi R - 33 % data debit suspensi sedimen-graf 4 Sumber : Lampiran 15

$$R = \frac{7 \times 24,986700 - 11,458000 \times 15,080400}{[7 \times 18,9562000 - 11,458000^2]^{1/2} [7 \times 32,959000 - 15,080400^2]^{1/2}}$$

$$R = \frac{174,906900 - 172,791223}{[132,693400 - 131,285764]^{1/2} \times [230,713000 - 227,418464]^{1/2}}$$

$$R = \frac{2,115677}{1,186438 \times 1,815086} = 0,98$$

Lampiran 17 Perhitungan koefisien persamaan lengkung debit suspensi
100 % data debit suspensi sedimen-graf 5

No Urut	Q m ³ /det	Qs kg/det	Log Q X	Log Qs Y	X . Y	$\frac{2}{X}$	$\frac{2}{Y}$
1	2	3	4	5	6	7	8
1	16,075	36,2	1,2062	1,5583	1,8796	1,4548	2,4284
2	15,659	52,5	1,1948	1,7203	2,0554	1,4275	2,9595
3	15,248	47,6	1,1832	1,6776	1,9850	1,4000	2,8145
4	14,841	42,7	1,1715	1,6303	1,9098	1,3723	2,6577
5	14,841	36,4	1,1715	1,5617	1,8295	1,3723	2,4389
6	14,440	32,2	1,1596	1,5083	1,7489	1,3446	2,2749
7	14,043	25,6	1,1475	1,4075	1,6151	1,3167	1,9811
8	13,652	27,1	1,1352	1,4334	1,6272	1,2887	2,0546
9	13,265	24,6	1,1227	1,3908	1,5615	1,2605	1,9344
10	12,884	22,6	1,1101	1,3541	1,5031	1,2322	1,8335
11	12,884	21,0	1,1101	1,3228	1,4683	1,2322	1,7497
Jumlah			12,712	16,565	19,183	14,702	25,127

Sumber : Data Pustaka III

$$\begin{aligned}
 (1) \quad Y &= a + bX \\
 (2) \quad XY &= aX + bX^2 \\
 (1) \quad 16,565 &= a + b(11) \\
 (2) \quad 19,183 &= a(11) + b(11)^2 \\
 \text{Persamaan (2) dikalikan :} & \quad 0,8647 \\
 (1) \quad 16,565 &= a + b(11) \\
 (2) \quad 16,587 &= a(10,992) + b(12,712) \\
 -0,022 &= 0,0083 \log a \\
 0,0083 \log a &= -0,0221 \\
 \log a &= -2,662238 \\
 a &= 0,0021765 \\
 (1) \quad 16,565 &= a + b(11) \\
 16,565 &= 0,0021765 + b(11) \\
 16,565 &= -29,28462 + b \\
 45,850 &= b \\
 b &= 3,6068
 \end{aligned}$$

$$Q_s = 0,0022 Q^{3,6068}$$

Lampiran 18 Perhitungan koefisien persamaan lengkung debit suspensi
50 % data debit suspensi sedimen-graf 5

No Urut	Q m ³ /det	Qs kg/det	Log Q X	Log Qs Y	X . Y	$\sum X$	$\sum Y$
1	2	3	4	5	6	7	8
1	16,075	36,2	1,2062	1,5583	1,8796	1,4548	2,4284
2	15,248	47,6	1,1832	1,6776	1,9850	1,4000	2,8145
3	14,841	36,4	1,1715	1,5617	1,8295	1,3723	2,4389
4	14,043	25,6	1,1475	1,4075	1,6151	1,3167	1,9811
5	13,265	24,6	1,1227	1,3908	1,5615	1,2605	1,9344
6	12,884	21,0	1,1101	1,3228	1,4683	1,2322	1,7497
Jumlah			6,941	8,9188	10,3390	8,0365	13,3470

Sumber : Data Pustaka III

(1)	Y	-	n	log a	-	b.	X	=	0
(2)	XY	-	X	log a	-	b.	X	=	0
(1)	8,919	-	6	log a	-	b.	6,941	=	0
(2)	10,339	-	6,94	log a	-	b.	8,036	=	0
				Persamaan (2) dikalikan :					0,8637
(1)	8,919	-	6	log a	-	b.	6,941	=	0
(2)	8,930	-	5,99	log a	-	b.	6,941	=	0
	-0,0109	-	0,005	log a				=	0
			0,005	log a	=		-0,0109		
				log a	=		-2,1547		
				a =			0,0070		
(1)	8,919	-	6	log a	-	b.	6,941	=	0
	8,919	-	6	-2,15	-	b.	6,941	=	0
	8,919	-	-12,92822		-	b.	6,941	=	0
				21,85	-	b.	6,941	=	0
			b.	6,94	=		21,847		
				b =			3,1475		

$Q_s = 0,0070 Q^{3,1475}$

Lampiran 19 Perhitungan koefisien persamaan lengkung debit suspensi
33 % data debit suspensi sedimen-graf 5

No Urut	Q m ³ /det	Qs kg/det	Log Q X	Log Qs Y	X . Y	\sum X	\sum Y
1	2	3	4	5	6	7	8
1	16,075	36,2	1,2062	1,5583	1,8796	1,4548	2,4284
2	14,841	42,7	1,1715	1,6303	1,9098	1,3723	2,6577
3	14,043	25,6	1,1475	1,4075	1,6151	1,3167	1,9811
4	12,884	22,6	1,1101	1,3541	1,5031	1,2322	1,8335
Jumlah			4,635	5,9502	6,9075	5,3760	8,9008

Sumber : Data Pustaka III

$$\begin{array}{rcl}
 (1) & Y & - \quad n \quad \log a \quad - \quad b. \quad X \quad = \quad 0 \\
 (2) & XY & - \quad 1,21 \quad \log a \quad - \quad b. \quad X \quad = \quad 0 \\
 (1) & 5,950 & - \quad 4 \quad \log a \quad - \quad b. \quad 4,635 \quad = \quad 0 \\
 (2) & 6,908 & - \quad 4,64 \quad \log a \quad - \quad b. \quad 5,376 \quad = \quad 0 \\
 & & \text{Persamaan (2) dikalikan :} \quad 0,8622 \\
 (1) & 5,950 & - \quad 4 \quad \log a \quad - \quad b. \quad 4,635 \quad = \quad 0 \\
 (2) & 5,956 & - \quad 4,00 \quad \log a \quad - \quad b. \quad 4,635 \quad = \quad 0 \\
 & -0,0054 & - \quad 0,004 \quad \log a \quad = \quad 0 \\
 & & 0,004 \quad \log a \quad = \quad -0,0054 \\
 & & \log a = \quad -1,4811 \\
 & & a = \quad 0,0330 \\
 (1) & 5,950 & - \quad 4 \quad \log a \quad - \quad b. \quad 4,635 \quad = \quad 0 \\
 & 5,950 & - \quad 4 \quad -1,48 \quad - \quad b. \quad 4,635 \quad = \quad 0 \\
 & 5,950 & - \quad -5,924549 \quad - \quad b. \quad 4,635 \quad = \quad 0 \\
 & & 11,87 \quad - \quad b. \quad 4,635 \quad = \quad 0 \\
 & & b. \quad 4,64 \quad = \quad 11,875 \\
 & & b = \quad 2,5619
 \end{array}$$

$$Q_s = 0,0330 Q^{2,5619}$$

Lampiran 20 Perhitungan koefisien korlasi R antara debit aliran dan debit suspensi sedimen-graf 5

$$R = \frac{n \sum XY - \sum X \sum Y}{\left[n \sum X^2 - (\sum X)^2 \right]^{1/2} \left[n \sum Y^2 - (\sum Y)^2 \right]^{1/2}}$$

A. Koefisien korelasi R - 100 % data debit suspensi sedimen-graf 5 Sumber : Lampiran 17

$$R = \frac{11 \times 19,183000 - 12,712000 \times 16,565000}{\left[11 \times 14,702000 - (12,712000)^2 \right]^{1/2} \left[11 \times 25,127000 - (16,565000)^2 \right]^{1/2}}$$

$$R = \frac{211,013000 - 210,574280}{\left[161,722000 - 161,594944 \right]^{1/2} \times \left[276,397000 - 274,399225 \right]^{1/2}}$$

$$R = \frac{0,438720}{0,3564492 \times 1,4134267} = 0,87$$

B. Koefisien korelasi R - 50 % data debit suspensi sedimen-graf 5 Sumber : Lampiran 18

$$R = \frac{6 \times 10,339000 - 6,941000 \times 8,918800}{\left[6 \times 8,036500 - (6,941000)^2 \right]^{1/2} \left[6 \times 13,347000 - (8,918800)^2 \right]^{1/2}}$$

$$R = \frac{62,03400 - 61,905391}{\left[48,219000 - 48,176481 \right]^{1/2} \times \left[80,082000 - 79,544993 \right]^{1/2}}$$

$$R = \frac{0,1286092}{0,203762 \times 0,7328073} = 0,86$$

C. Koefisien korelasi R - 33 % data debit suspensi sedimen-graf 5 Sumber : Lampiran 19

$$R = \frac{4 \times 6,907500 - 4,635000 \times 5,950200}{\left[4 \times 5,376000 - (4,635000)^2 \right]^{1/2} \left[4 \times 8,900800 - (5,950200)^2 \right]^{1/2}}$$

$$R = \frac{27,630000 - 27,579177}{\left[21,504000 - 21,483225 \right]^{1/2} \times \left[35,603200 - 35,404880 \right]^{1/2}}$$

$$R = \frac{0,050823}{0,144135 \times 0,445332} = 0,79$$

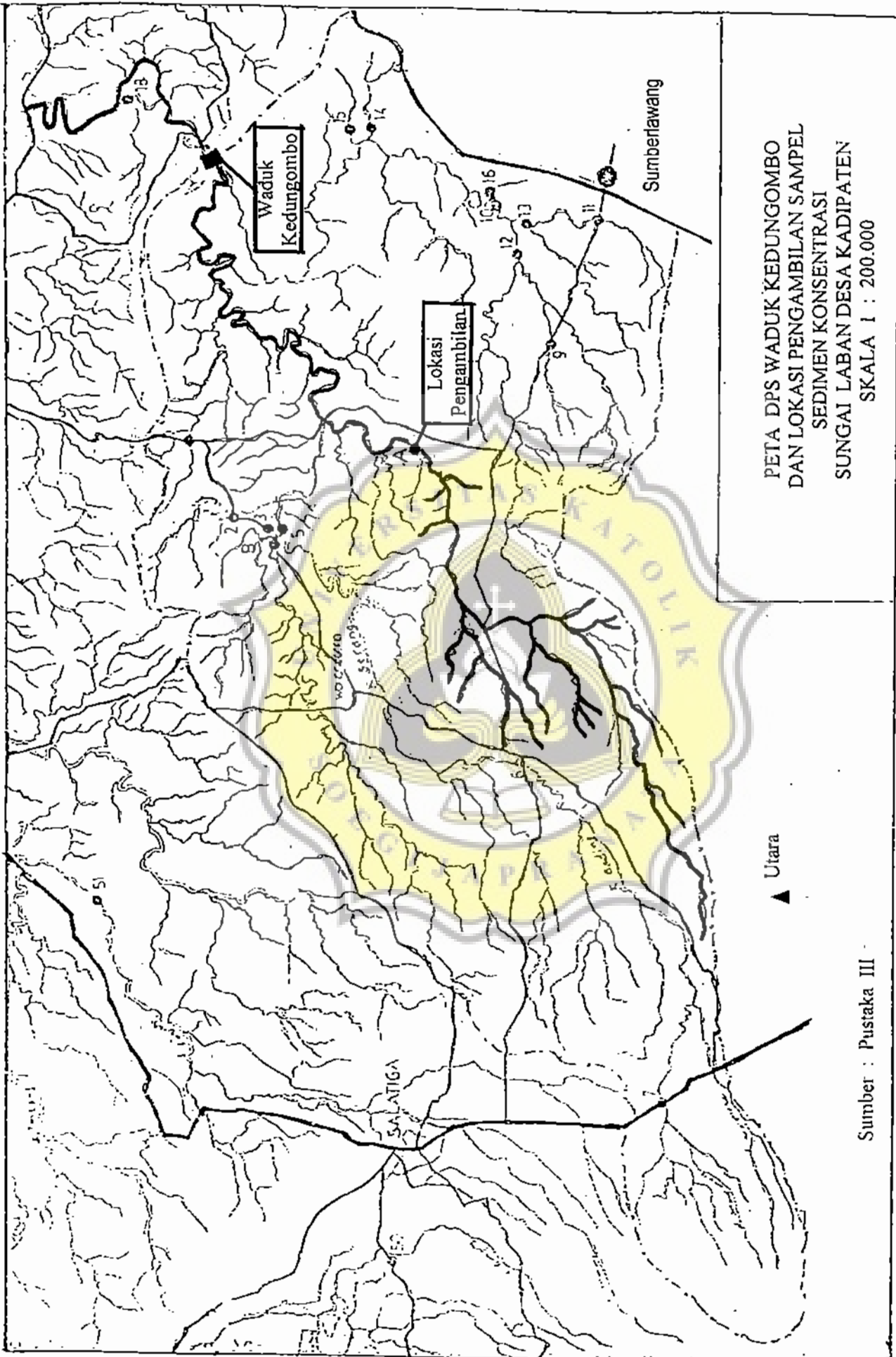
t TEST

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Table 3.14

Values of 't' for degrees of freedom ν and different value of probability p

ν	Level of probability (p)					
	0.9	0.5	0.2	0.1	0.05	0.01
	2	3	4	5	6	7
1.	0.15	1.00	3.07	6.31	12.07	63.65
2.	0.14	0.81	1.88	2.92	4.30	9.92
3.	0.13	0.76	1.63	2.35	3.18	5.84
4.	0.13	0.74	1.53	2.13	2.77	4.60
5.	0.13	0.72	1.47	2.01	2.57	4.03
6.	0.13	0.71	1.44	1.94	2.44	3.70
7.	0.13	0.71	1.41	1.89	2.36	3.49
8.	0.13	0.70	1.39	1.86	2.30	3.35
9.	0.12	0.70	1.38	1.83	2.26	3.25
10.	0.12	0.70	1.37	1.81	2.22	3.16
11.	0.12	0.69	1.36	1.79	2.20	3.10
12.	0.12	0.69	1.35	1.78	2.17	3.05
13.	0.12	0.69	1.35	1.77	2.16	3.01
14.	0.12	0.69	1.34	1.76	2.14	2.97
15.	0.12	0.69	1.34	1.75	2.13	2.94
16.	0.12	0.69	1.33	1.74	2.12	2.92
17.	0.12	0.68	1.33	1.74	2.11	2.89
18.	0.12	0.68	1.33	1.73	2.10	2.87
19.	0.22	0.68	1.32	1.72	2.09	2.86
20.	0.12	0.68	1.32	1.72	2.08	2.84
21.	0.12	0.68	1.32	1.72	2.08	2.83
22.	0.12	0.68	1.33	1.71	2.07	2.81
23.	0.12	0.68	1.31	1.71	2.06	2.81
24.	0.12	0.68	1.31	1.71	2.06	2.79
25.	0.12	0.68	1.31	1.70	2.06	2.78
26.	0.12	0.68	1.31	1.70	2.05	2.77
27.	0.12	0.68	1.31	1.70	2.05	2.77
28.	0.12	0.68	1.31	1.70	2.04	2.76
29.	0.12	0.68	1.31	1.69	2.04	2.75
30.	0.12	0.68	1.31	1.69	2.04	2.75
40.	0.12	0.68	1.30	1.68	2.02	2.70
60.	0.12	0.67	1.29	1.67	2.00	2.66
120.	0.12	0.67	1.28	1.65	1.98	2.61
∞	0.12	0.67	1.28	1.64	1.96	2.57



PETA DPS WADUK KEDUNGOMBO
DAN LOKASI PENGAMBILAN SAMPEL
SEDIMEN KONSENTRASI
SUNGAI LABAN DESA KADIPATEN
SKALA 1 : 200.000

Sumber : Pustaka III

Lampiran 23

Data tinggi muka air, debit dan sedimen suspensi sungai Laban



Tabel : L56. Pengamatan Tinggi Muka Air dan Konsentrasi Sedimen Sungai Laban di Kadipaten

Tanggal	Jam	Tinggi Muka Air H (m)	Debit Q (m ³ /det)	Konsentrasi C (mg/l)	Debit suspensi Qs (gr/det)	Tanggal	Jam	Tinggi Muka Air H (m)	Debit Q (m ³ /det)	Konsentrasi C (mg/l)	Debit suspensi Qs (gr/det)
1 Des 92	6.00	0.45	8.703	2445	21280		17.50	1.69	84.579	5234	442687
	8.00	0.35	5.794	2343	13575		18.00	1.68	83.695	4456	372944
	10.00	0.30	4.542	3232	14679		18.10	1.67	82.815	4323	358008
	12.00	0.24	3.223	3354	10811		18.20	1.65	81.067	4333	351264
	14.00	0.20	2.459	3121	7675		18.30	1.63	79.336	4239	336307
	16.00	0.18	2.112	2678	5656		18.40	1.60	76.772	4563	350311
	18.00	0.16	1.789	2656	4752		18.50	1.55	72.583	4238	307606
	20.00	0.14	1.491	2356	3512		19.00	1.50	68.500	5129	351337
	22.00	0.12	1.217	2787	3392		18.10	1.47	66.102	4087	270158
	2 Des 92	24.00	0.10	0.989	1978		1916	19.20	1.43	62.964	4002
2.00		0.10	0.969	1934	1874	19.30	1.40	60.656	4101	248751	
4.00		0.09	0.854	1854	1584	19.40	1.38	59.139	3998	236439	
6.00		0.09	0.854	1543	1318	19.50	1.34	56.158	3878	217779	
8.00		0.08	0.746	1349	1007	20.00	1.30	53.246	3779	201216	
10.00		0.08	0.746	1287	960	20.10	1.27	51.108	3576	182762	
12.00		0.08	0.746	1273	950	20.20	1.25	49.705	3600	178937	
14.00		0.07	0.645	1998	1289	20.30	1.21	45.951	3582	168179	
16.00		0.07	0.645	1018	657	20.40	1.19	45.601	3658	166809	
18.00		0.07	0.645	1212	782	20.50	1.17	44.269	3459	153126	
3 Des 92	20.00	0.20	2.459	1130	2779	21.00	1.50	62.500	3200	219200	
	22.00	0.28	4.080	1230	5018	21.10	1.12	41.016	3355	137610	
	24.00	0.68	17.354	3450	59870	21.20	1.11	40.379	3004	121300	
	2.00	0.55	12.136	3288	39904	21.30	1.10	39.747	2988	118764	
	4.00	0.46	9.024	3443	31068	21.40	1.07	37.877	2743	103895	
	6.00	0.38	6.611	2389	15793	21.50	1.06	37.262	2448	91218	
	8.00	0.38	6.611	2787	18424	22.00	1.05	36.652	2531	92767	
	10.00	0.32	5.026	2655	13395	22.10	1.04	36.047	2402	86585	
	12.00	0.30	4.542	1211	5500	22.20	1.04	36.047	2399	86477	
	14.00	0.28	4.080	1237	5047	22.30	0.95	30.805	2365	72854	
4 Des 92	16.00	0.26	3.640	1325	4823	22.40	0.90	28.054	2359	66180	
	18.00	0.24	3.223	1231	7191	22.50	0.89	27.518	2122	58394	
	20.00	0.22	2.830	79	4751	23.00	0.80	22.904	2284	52313	
	22.00	0.22	2.830	187	5622	23.10	0.89	27.518	2202	60595	
	24.00	0.28	4.080	306	3184	23.15	0.88	26.987	2099	56645	
	2.00	0.55	12.136	100	3195	23.20	0.83	26.987	2100	56672	
	4.00	0.42	7.775	90	7989	23.25	0.87	26.460	2135	56492	
	6.00	0.35	5.794	152	512	23.30	0.87	26.460	2035	53846	
	8.00	0.32	5.026	38	262	23.35	0.86	25.938	1985	51487	
	10.00	0.28	4.080	21	469	23.45	0.86	25.938	2033	52732	
5 Des 92	12.00	0.26	3.640	87	233	23.55	0.85	25.420	1986	50485	
	14.00	0.24	3.223	99	121	24.00	0.85	25.420	1532	38944	
	16.00	0.22	2.830	76	109	2.00	0.70	18.230	868	15824	
	17.00	1.75	89.973	3434	30895	4.00	0.58	13.265	752	9976	
	17.10	1.74	89.063	4321	38482	6.00	0.40	7.182	622	4467	
	17.20	1.73	88.158	6708	591364	8.00	0.35	5.794	320	1854	
	17.30	1.70	85.468	5676	485114	10.00	0.30	4.542	253	1149	
	17.40	1.70	85.468	5870	501694	12.00	0.28	4.080	260	1061	

Tabel : L56. (...lanjutan)

Tanggal	Jam	Tinggi	Debit	Konsen-	Debit	Tanggal	Jam	Tinggi	Debit	Konsen-	Debit
		Muka Air	Q	trasi	suspensi			Muka Air	Q	trasi	suspensi
		H	(m ³ /det)	C	Gs			H	(m ³ /det)	C	Gs
		(m)		(mg/l)	(gr/det)			(m)		(mg/l)	(gr/det)
6 Des 92	14.00	0.24	3.223	193	622	10 Des 92	14.00	0.08	0.746	46	34
	16.00	0.22	2.830	115	325		16.00	0.08	0.746	54	40
	20.00	0.20	2.459	132	325		18.00	0.08	0.746	76	57
	22.00	0.18	2.112	127	268		20.00	0.08	0.746	45	34
	24.00	0.17	1.948	185	360		22.00	0.22	2.830	988	2796
	2.00	0.16	1.789	208	372		24.00	0.45	8.703	1124	9783
	4.00	0.15	1.637	198	324		2.00	0.32	5.026	867	4358
	6.00	0.14	1.491	186	277		4.00	0.25	3.429	768	2633
	8.00	0.14	1.491	142	212		6.00	0.20	2.459	754	1854
	10.00	0.13	1.351	149	201		8.00	0.20	2.459	689	1694
	12.00	0.13	1.351	132	178		10.00	0.18	2.112	632	1335
	14.00	0.13	1.351	102	138		12.00	0.18	2.112	546	1153
	16.00	0.12	1.217	94	114		14.00	0.16	1.789	503	900
	18.00	0.12	1.217	88	107		16.00	0.16	1.789	489	875
20.00	0.12	1.217	27	33	18.00	0.14	1.491	432	644		
22.00	0.10	0.969	52	50	20.00	0.14	1.491	298	444		
24.00	0.10	0.969	26	25	22.00	0.12	1.217	300	365		
7 Des 92	2.00	0.08	0.746	30	22	11 Des 92	24.00	0.12	1.217	203	247
	4.00	0.08	0.746	19	14		2.00	0.10	0.969	140	136
	6.00	0.08	0.746	27	20		4.00	0.10	0.969	126	122
	8.00	0.07	0.645	20	13		6.00	0.08	0.746	106	79
	10.00	0.07	0.645	13	8		8.00	0.08	0.746	85	63
	12.00	0.06	0.550	18	10		10.00	0.08	0.746	99	74
	14.00	0.06	0.550	20	11		12.00	0.08	0.746	76	57
	16.00	0.85	25.420	387	9838		14.00	0.08	0.746	98	73
	18.00	0.70	18.230	1229	22405		16.00	1.35	56.897	1354	77038
	20.00	0.60	14.043	1365	19169		16.10	1.33	55.423	3353	185834
22.00	0.50	10.356	1288	13338	16.20	1.30	53.246	3465	184496		
8 Des 92	24.00	0.45	8.703	1232	10723	16.30	1.25	49.705	3080	153090	
	2.00	0.40	7.182	1003	7204	16.40	1.24	49.010	2876	140952	
	4.00	0.34	5.533	987	5461	16.50	1.22	47.633	2887	137516	
	6.00	0.28	4.080	809	3301	17.00	1.20	46.274	2656	122904	
	8.00	0.20	2.459	886	2179	17.10	1.17	44.269	2445	108237	
	10.00	0.16	1.789	874	1564	17.20	1.15	42.954	2534	108847	
	12.00	0.14	1.491	653	974	17.30	1.10	39.747	2454	97539	
	14.00	0.14	1.491	543	810	17.40	1.09	39.119	2322	90834	
	16.00	0.12	1.217	423	515	17.50	1.07	37.877	2003	75867	
	18.00	0.12	1.217	322	392	18.00	1.05	36.652	1658	60769	
	20.00	0.12	1.217	300	365	18.10	1.00	33.671	1565	52696	
	22.00	0.11	1.090	298	325	18.20	0.99	33.089	1654	54729	
	9 Des 92	24.00	0.11	1.090	126	137	18.30	0.97	31.938	1557	49727
		2.00	0.10	0.969	103	100	18.40	0.96	31.369	1456	45673
4.00		0.10	0.969	112	109	18.50	0.95	30.805	1365	42049	
6.00		0.10	0.969	65	63	19.00	0.94	30.246	1459	44128	
8.00		0.10	0.969	79	77	19.10	0.92	29.141	1325	38553	
10.00		0.08	0.746	98	73	19.20	0.90	28.054		31393	
12.00		0.08	0.746	80	60	19.30	0.89	27.518		27683	

Tabel : L56. (...lanjutan)

Tanggal	Jam	Tinggi Muka Air H (m)	Debit Q (m ³ /det)	Konsentrasi C (mg/l)	Debit suspensi Qs (gr/det)	Tanggal	Jam	Tinggi Muka Air H (m)	Debit Q (m ³ /det)	Konsentrasi C (mg/l)	Debit suspensi Qs (gr/det)
	19.40	0.87	26.460	1211	32043		2.00	0.40	7.182	1212	8705
	19.50	0.86	25.938	989	25652		4.00	0.36	6.061	1003	6079
	20.00	0.85	25.420	1008	25624		6.00	0.32	5.026	989	4971
	20.10	0.83	24.400	984	24009		8.00	0.28	4.080	768	3133
	20.20	0.79	22.415	886	19860		12.00	0.26	3.640	802	2919
	20.30	0.77	21.452	687	14737		14.00	0.24	3.223	654	2108
	20.40	0.75	20.507	546	11197		16.00	0.22	2.830	435	1231
	20.50	0.74	20.042	443	8879		18.00	0.20	2.459	356	875
	21.00	0.73	19.582	432	8459		20.00	0.20	2.459	544	1338
	22.00	0.70	18.230	353	6435		22.00	0.22	2.830	435	1231
12 Des 92	24.00	0.55	12.136	323	3920	16 Des 92	24.00	0.38	6.611	1221	8072
	2.00	0.40	7.182	435	3124		2.00	0.30	4.542	765	3474
	4.00	0.34	5.533	310	1715		4.00	0.25	3.429	642	2201
	6.00	0.30	4.542	302	1372		6.00	0.22	2.830	576	1630
	8.00	0.25	3.429	326	1118		8.00	0.22	2.830	602	1703
	10.00	0.22	2.830	298	843		10.00	0.20	2.459	458	1126
	12.00	0.20	2.459	305	750		12.00	0.20	2.459	388	954
	14.00	0.20	2.459	308	757		14.00	0.20	2.459	402	989
	16.00	0.18	2.112	228	482		16.00	0.18	2.112	321	678
	18.00	0.16	1.789	123	220		18.00	0.18	2.112	305	644
	20.00	0.16	1.789	128	229		20.00	0.18	2.112	187	395
	22.00	0.15	1.637	111	182		22.00	0.25	3.429	200	686
13 Des 92	24.00	0.14	1.491	108	161	17 Des 92	24.00	0.30	4.542	788	3579
	2.00	0.12	1.217	97	118		2.00	0.26	3.640	763	2777
	4.00	0.12	1.217	102	124		4.00	0.24	3.223	704	2269
	6.00	0.10	0.969	98	95		6.00	0.22	2.830	722	2043
	8.00	0.10	0.969	88	85		8.00	0.20	2.459	683	1680
	10.00	0.10	0.969	63	61		10.00	0.18	2.112	600	1267
	12.00	0.10	0.969	56	54		12.00	0.18	2.112	575	1215
	14.00	0.10	0.969	48	47		14.00	0.17	1.884	612	1153
	16.00	0.08	0.746	50	37		16.00	0.16	1.789	561	1004
	18.00	0.08	0.746	44	33		18.00	0.16	1.789	542	970
	20.00	0.08	0.746	48	36		20.00	0.14	1.491	453	675
	22.00	0.08	0.746	36	27		22.00	0.14	1.491	404	602
14 Des 92	24.00	0.36	6.061	965	5849	18 Des 92	24.00	0.14	1.491	348	519
	2.00	0.30	4.542	868	3942		2.00	0.12	1.217	332	404
	4.00	0.26	3.640	802	2919		4.00	0.12	1.217	321	391
	6.00	0.22	2.830	775	2193		6.00	0.12	1.217	298	363
	8.00	0.20	2.459	672	1652		8.00	0.12	1.217	225	274
	10.00	0.18	2.112	458	967		10.00	0.12	1.217	132	161
	12.00	0.18	2.112	542	1145		12.00	0.10	0.969	88	85
	14.00	0.18	2.112	566	1195		14.00	0.10	0.969	68	66
	16.00	0.18	2.112	453	957		16.00	0.10	0.969	49	47
	18.00	0.16	1.789	481	861		18.00	0.10	0.969	70	68
	20.00	0.16	1.789	399	714		20.00	0.08	0.746	84	63
	22.00	0.16	1.789	323	578		22.00	0.08	0.746	58	43
15 Des 92	24.00	0.45	8.703	1242	10810						

Tabel : L56. (...lanjutan)

Tanggal	Tinggi Jam Muka Air H (m)	Debit Q (m ³ /det)	Konsen- trasi C (mg/l)	Debit suspensi Qs (gr/det)	Tanggal	Tinggi Jam Muka Air H (m)	Debit Q (m ³ /det)	Konsen- trasi C (mg/l)	Debit suspensi Qs (gr/det)		
	6.00	0.04	0.382	56	21	18.20	0.97	31.938	2546	81313	
	8.00	0.04	0.382	70	27	18.30	0.95	30.805	2335	71930	
	10.00	0.04	0.382	66	25	18.40	0.92	29.141	2389	69617	
	12.00	0.02	0.241	75	18	18.50	0.89	27.518	1987	54679	
	14.00	0.02	0.241	60	14	19.00	0.87	26.460	1879	49718	
	16.00	0.02	0.241	65	16	19.10	0.85	25.420	2006	50993	
	18.00	0.02	0.241	48	12	19.20	0.82	23.897	1985	47435	
	20.00	0.02	0.241	76	18	19.30	0.80	22.904	1876	42968	
	22.00	0.02	0.241	33	8	19.40	0.78	21.931	1834	40222	
27 Des 92	24.00	0.02	0.241	54	13	19.50	0.76	20.977	1790	37549	
	2.00	0.01	0.182	44	8	20.00	0.75	20.507	1543	31643	
	4.00	0.01	0.182	34	6	20.10	0.74	20.042	1368	27418	
	6.00	0.01	0.182	32	6	20.20	0.73	19.582	1459	28570	
	8.00	0.01	0.182	43	8	20.30	0.72	19.127	1323	25304	
	10.00	0.01	0.182	26	5	20.40	0.71	18.676	1378	25736	
	12.00	0.01	0.182	29	5	20.50	0.70	18.230	1298	23663	
	14.00	0.01	0.182	18	3	21.00	0.68	17.354	1137	19731	
	16.00	0.01	0.182	33	6	21.10	0.66	16.496	1238	20423	
	18.00	0.01	0.182	21	4	21.20	0.64	15.659	1321	20685	
	20.00	0.01	0.182	32	6	21.30	0.62	14.831	1121	16637	
	22.00	0.01	0.182	23	4	22.00	0.60	14.043	1178	16543	
28 Des 92	6.00	0.01	0.182	25	5	30 Des 92	24.00	0.42	7.775	987	7674
	8.00	0.01	0.182	32	6		2.00	0.30	4.542	891	4047
	10.00	0.01	0.182	27	5		4.00	0.25	3.429	867	2973
	12.00	0.01	0.182	19	3		6.00	0.22	2.830	543	1536
	14.00	0.01	0.182	27	5		8.00	0.20	2.459	578	1421
	16.00	0.01	0.182	21	4		10.00	0.18	2.112	489	1033
	18.00	0.01	0.182	98	18		12.00	0.16	1.789	378	676
	20.00	0.12	1.217	135	164		14.00	0.15	1.637	239	391
	22.00	0.25	3.429	334	1145		16.00	0.15	1.637	133	218
29 Des 92	24.00	0.34	5.533	470	2600		18.00	0.14	1.491	126	188
	2.00	0.28	4.080	231	942		20.00	0.13	1.351	213	288
	4.00	0.24	3.223	222	716		22.00	0.12	1.217	189	230
	6.00	0.20	2.459	176	433	31 Des 92	24.00	0.12	1.217	118	144
	8.00	0.18	2.112	232	490		2.00	0.10	0.969	176	171
	10.00	0.16	1.789	144	258		4.00	0.10	0.969	156	151
	12.00	0.14	1.491	123	183		6.00	0.10	0.969	123	119
	14.00	0.12	1.217	98	119		8.00	0.08	0.746	98	73
	16.00	0.12	1.217	65	79		10.00	0.08	0.746	69	51
	17.00	1.15	42.954	558	23969		12.00	0.08	0.746	67	50
	17.10	1.14	42.304	2332	98653		14.00	0.06	0.550	48	26
	17.20	1.13	41.658	3235	134764		16.00	0.06	0.550	54	30
	17.30	1.11	40.379	3398	137209		18.00	0.06	0.550	49	27
	17.40	1.09	39.119	2986	116809		20.00	0.06	0.550	61	34
	17.50	1.07	37.877	2887	109350		22.00	0.05	0.463	31	14
	18.00	1.00	33.671	2974	100138	1 Jan 93	24.00	0.05	0.463	28	13
	18.10	0.98	32.511	2567	83456		2.00	0.05	0.463	35	16

Tabel : L56. (...lanjutan)

Tanggal	Jam	Tinggi Muka Air H (m)	Debit Q (m ³ /det)	Konsentrasi C (mg/l)	Debit suspensi Qs (gr/det)	Tanggal	Jam	Tinggi Muka Air H (m)	Debit Q (m ³ /det)	Konsentrasi C (mg/l)	Debit suspensi Qs (gr/det)
	4.00	0.05	0.463	26	12		8.00	0.26	3.640	489	1780
	6.00	0.04	0.382	39	15		10.00	0.24	3.223	427	1376
	8.00	0.04	0.382	23	9		12.00	0.20	2.459	399	981
	10.00	0.04	0.382	20	8		14.00	0.20	2.459	346	851
	12.00	0.04	0.382	34	13		15.00	0.25	3.429	455	1560
	14.00	0.08	0.746	27	20		15.10	0.20	2.459	332	816
	16.00	1.50	68.500	3897	266945		15.20	0.30	4.542	236	1072
	16.10	1.48	66.897	4322	289128		15.30	0.35	5.794	398	2306
	16.20	1.44	63.742	3329	212197		15.40	0.40	7.182	217	1559
	16.30	1.40	60.656	4122	250025		15.50	0.45	18.703	2398	20871
	16.40	1.38	59.139	3576	211482		16.00	1.60	76.772	3329	255574
	16.50	1.37	58.387	3424	199918		16.10	1.55	72.583	4355	316098
	17.00	1.35	56.897	3354	190831		16.20	1.50	68.500	4343	297496
	17.10	1.32	54.693	3312	181143		16.30	1.44	63.742	4118	262490
	17.20	1.27	51.108	3209	164005		16.40	1.40	60.656	4277	259427
	17.30	1.25	49.705	3211	159602		16.50	1.36	57.640	4121	237534
	17.40	1.24	49.010	3120	152910		17.00	1.30	53.246	4008	213409
	17.50	1.22	47.633	3005	143157		17.10	1.29	52.529	3780	198559
	18.00	1.20	46.274	3108	143819		17.20	1.28	51.816	3866	200321
	18.10	1.18	44.933	2989	134304		17.30	1.27	51.108	3687	188435
	18.20	1.15	42.954	2876	123537		17.40	1.26	50.404	3590	180951
	18.30	1.10	39.747	2778	110417		17.50	1.23	48.319	3477	168005
	18.40	1.08	38.495	2780	107017		18.00	1.20	46.274	3377	156267
	18.50	1.06	37.262	2775	103402		18.10	1.16	43.609	3006	131090
	19.00	1.05	36.652	2877	105449		18.20	1.12	41.016	2987	122516
	19.10	1.04	36.047	2790	100571		18.30	1.10	39.747	2866	113915
	19.20	1.03	35.446	2657	94180		18.40	1.08	38.495	2654	102167
	19.30	1.01	34.258	2567	87941		18.50	1.07	37.877	2431	92078
	19.40	0.99	33.089	2513	83152		19.00	1.05	36.652	2320	85033
	19.50	0.98	32.511	2497	81180		19.10	1.03	35.446	2122	75217
	20.00	0.95	30.805	2436	75041		19.20	0.98	32.511	2021	65705
	20.10	0.94	30.246	2368	71622		19.30	0.97	31.938	2331	74447
	20.20	0.93	29.691	2145	63687		19.40	0.95	30.805	2298	70790
	20.30	0.92	29.141	1987	57903		19.50	0.93	29.691	2187	64934
	20.40	0.91	28.595	1678	47983		20.00	0.80	22.904	2213	50687
	20.50	0.90	28.054	1653	46374		21.00	0.70	18.230	2006	36570
	21.00	0.89	27.518	1598	43974		22.00	0.65	16.075	1867	30012
	21.10	0.87	26.460	1436	37996	3 Jan 93	24.00	0.56	12.507	1776	22213
	21.20	0.84	24.908	1429	35593		2.00	0.42	7.775	1564	12160
	21.30	0.82	23.897	1302	31143		4.00	0.35	5.794	1443	8361
	21.40	0.78	21.931	879	19277		6.00	0.30	4.542	1322	6004
	21.50	0.74	20.042	788	15793		8.00	0.26	3.640	1303	4743
	22.00	0.70	18.230	694	12652		10.00	0.24	3.223	1221	3936
2 Jan 93	24.00	0.55	12.136	657	7973		12.00	0.20	2.459	1003	2466
	2.00	0.40	7.182	558	4008		14.00	0.18	2.112	987	2085
	4.00	0.32	5.026	654	3287		16.00	0.16	1.789	932	1668
	6.00	0.28	4.080	543	2215		18.00	0.25	3.429	908	3113

Tabel : L56. (...lanjutan)

Tanggal	Tinggi		Debit Q (m ³ /det)	Konsen- trasi C (mg/l)	Debit suspensi Gs (gr/det)	Tanggal	Tinggi		Debit Q (m ³ /det)	Konsen- trasi C (mg/l)	Debit suspensi Gs (gr/det)
	Jam	Muka Air H (m)					Jam	Muka Air H (m)			
7 Feb 93	23.30	0.73	19.582	521	10202	9 Feb 93	20.20	0.58	13.265	1654	21941
	23.40	0.72	19.127	403	7708		20.30	0.57	12.884	1754	22598
	23.50	0.72	19.127	399	7632		20.40	0.57	12.884	1632	21027
	24.00	0.71	18.676	352	6574		20.50	0.56	12.507	1534	19186
	0.10	0.70	18.230	434	7912		21.00	0.56	12.507	1480	18511
	0.20	0.69	17.790	232	4127		21.10	0.55	12.136	1732	21020
	0.30	0.68	17.354	338	5866		21.20	0.54	11.770	1787	21033
	0.40	0.67	16.923	543	9189		21.30	0.53	11.409	1654	18870
	0.50	0.66	16.496	565	9321		21.40	0.53	11.409	1742	19874
	1.00	0.66	16.496	623	10277		21.50	0.52	11.052	1622	17927
	1.10	0.65	16.075	454	7298		22.00	0.53	11.409	1905	21733
	1.20	0.64	15.659	378	5919		22.10	0.52	11.052	1867	20635
	1.30	0.66	16.496	658	10855		22.20	0.51	10.701	1763	18867
	1.40	0.65	16.075	469	7539		22.30	0.50	10.356	1498	15513
	1.50	0.68	17.354	787	13657		22.40	0.50	10.356	1542	15968
	2.00	0.70	18.230	654	11923		22.50	0.49	10.015	1422	14241
	2.10	0.70	18.230	600	10938		23.00	0.49	10.015	1552	15543
	2.20	0.69	17.790	542	9642		23.10	0.48	9.679	1423	13773
	2.30	0.68	17.354	398	6907		23.15	0.47	9.349	1567	14649
	2.40	0.67	16.923	344	5821		23.20	0.47	9.349	1543	14425
	2.50	0.66	16.496	545	8991		23.30	0.46	9.024	1507	13598
	3.00	0.64	15.659	329	5152		23.40	0.45	8.703	1566	13630
	3.10	0.60	14.043	399	5603		23.50	0.45	8.703	1657	14422
3.20	0.59	13.652	341	4655	24.00	0.44	8.389	1697	14236		
3.30	0.58	13.265	432	5731	0.10	0.43	8.079	1876	15156		
3.40	0.58	13.265	401	5319	0.20	0.43	8.079	1567	12660		
3.50	0.50	10.356	399	4132	0.30	0.42	7.775	2100	16327		
4.00	0.49	10.015	383	3836	0.40	0.42	7.775	2020	15705		
5.00	0.45	8.703	495	4308	0.50	0.41	7.476	2110	15774		
6.00	0.42	7.775	591	4595	1.00	0.41	7.476	2260	16895		
8.00	0.41	7.476	321	2400	1.10	0.40	7.182	2130	15298		
10.00	0.35	5.794	68	394	1.20	0.40	7.182	1988	14278		
12.00	0.30	4.542	38	173	1.30	0.39	6.894	1768	12188		
16.00	0.20	2.459	43	106	1.40	0.39	6.894	1777	12250		
18.00	0.18	2.112	10	21	1.50	0.39	6.894	1546	10658		
8 Feb 93	6.00	0.26	3.640	32	116	2.00	0.38	6.611	1800	11899	
8.00	0.17	1.948	45	88	2.10	0.38	6.611	1680	11106		
12.00	0.12	1.217	25	30	2.20	0.37	6.333	1775	11241		
18.00	0.11	1.090	40	44	2.30	0.36	6.061	1766	10703		
19.00	0.65	16.075	3250	52245	2.40	0.36	6.061	1876	11370		
19.10	0.64	15.659	3354	52520	2.50	0.35	5.794	1634	9467		
19.20	0.63	15.248	3122	47603	3.00	0.34	5.533	1601	8858		
19.30	0.62	14.841	2876	42683	3.10	0.33	5.277	1567	8268		
19.40	0.62	14.841	2456	36450	3.20	0.33	5.277	1543	8142		
19.50	0.61	14.440	2232	32230	3.30	0.32	5.026	1237	6217		
20.00	0.60	14.043	1820	25559	3.40	0.32	5.026	1122	5639		
20.10	0.59	13.652	1987	27126	3.50	0.31	4.781	1009	4824		