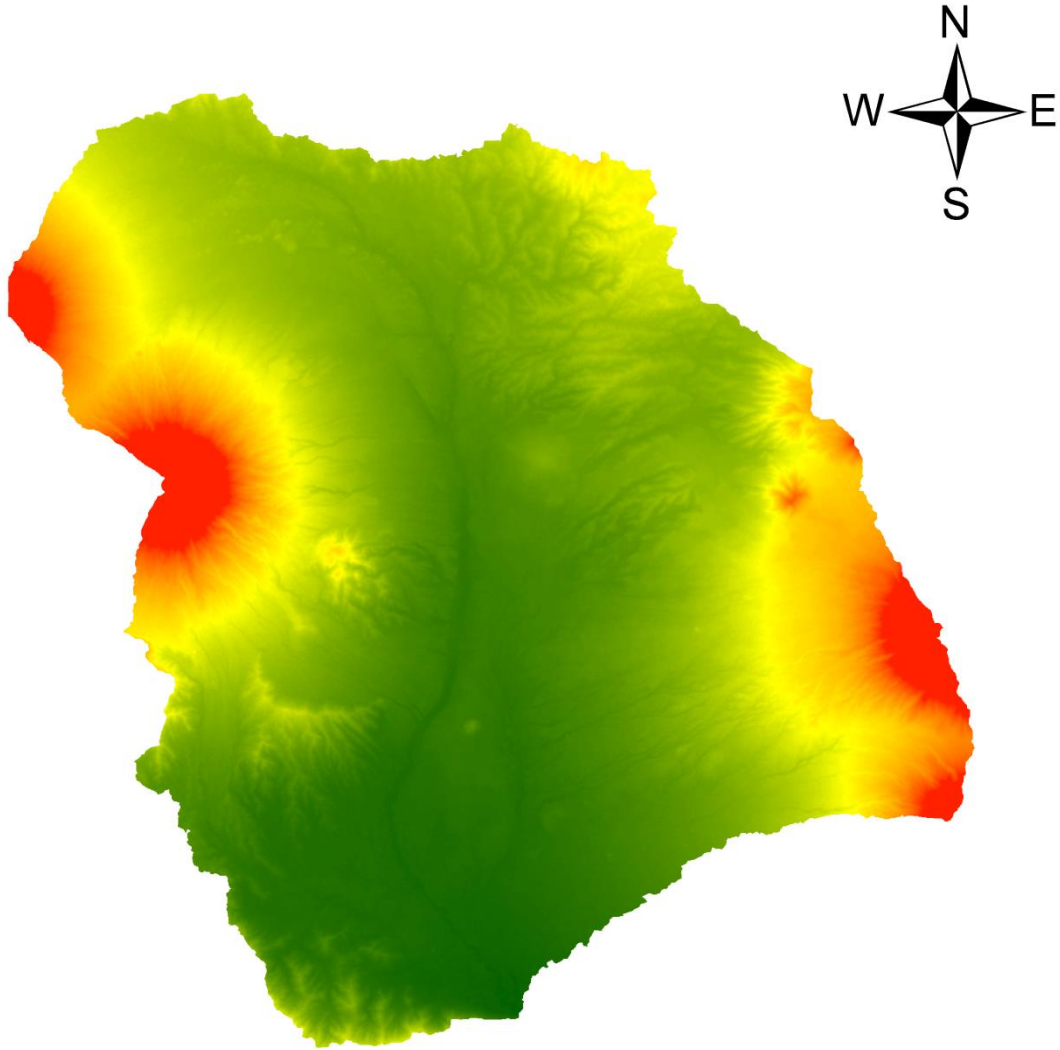
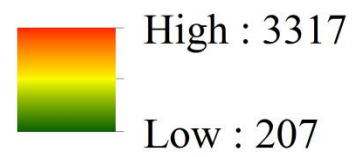


Lampiran 2. Peta Elevasi Sub DAS Progo Hulu

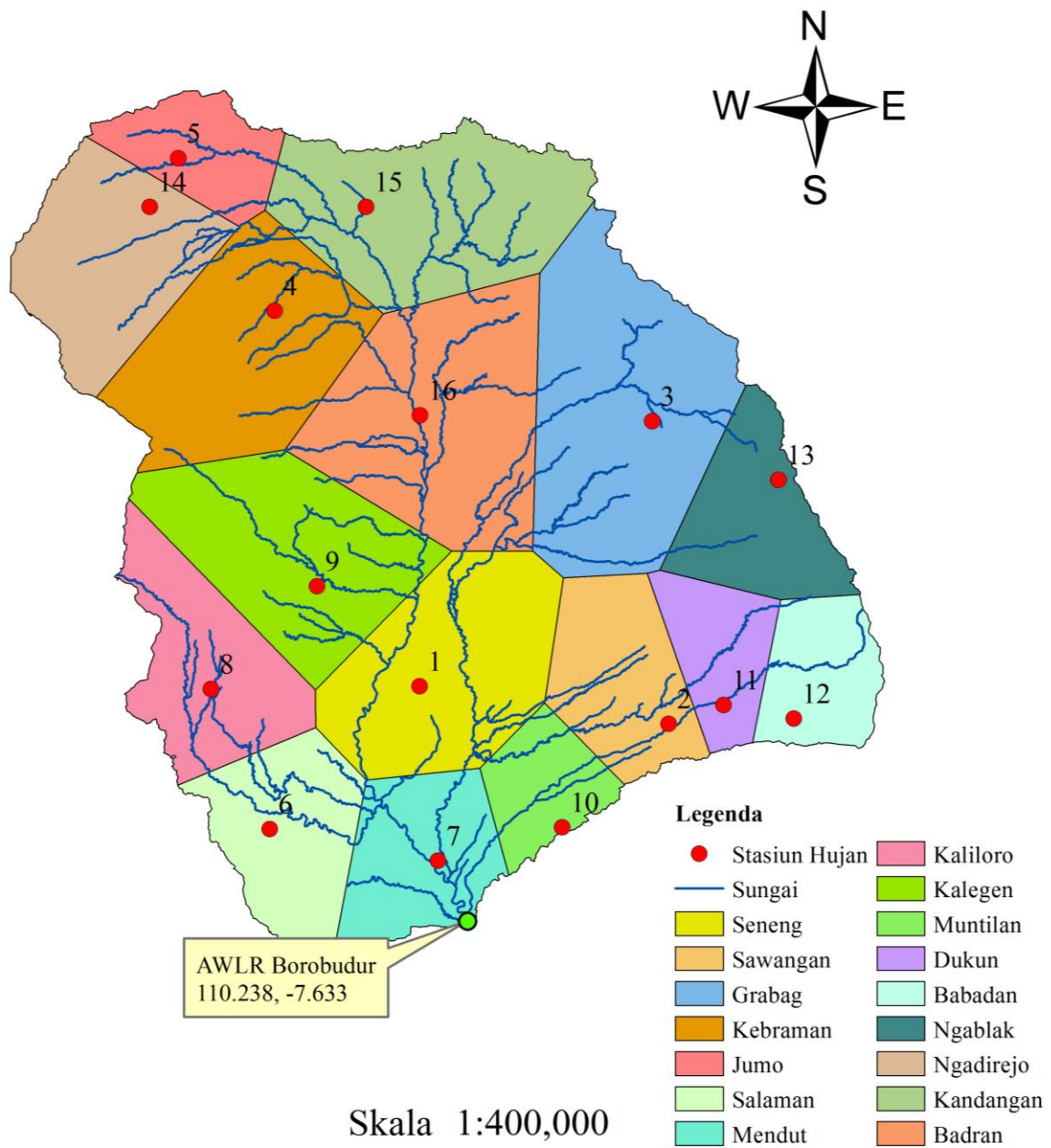


Legenda



Skala 1:400,000

Lampiran 3. Peta Poligon Thiessen Sub DAS Progo Hulu



Lampiran 4. Data Stasiun Hujan di Sub DAS Progo Hulu

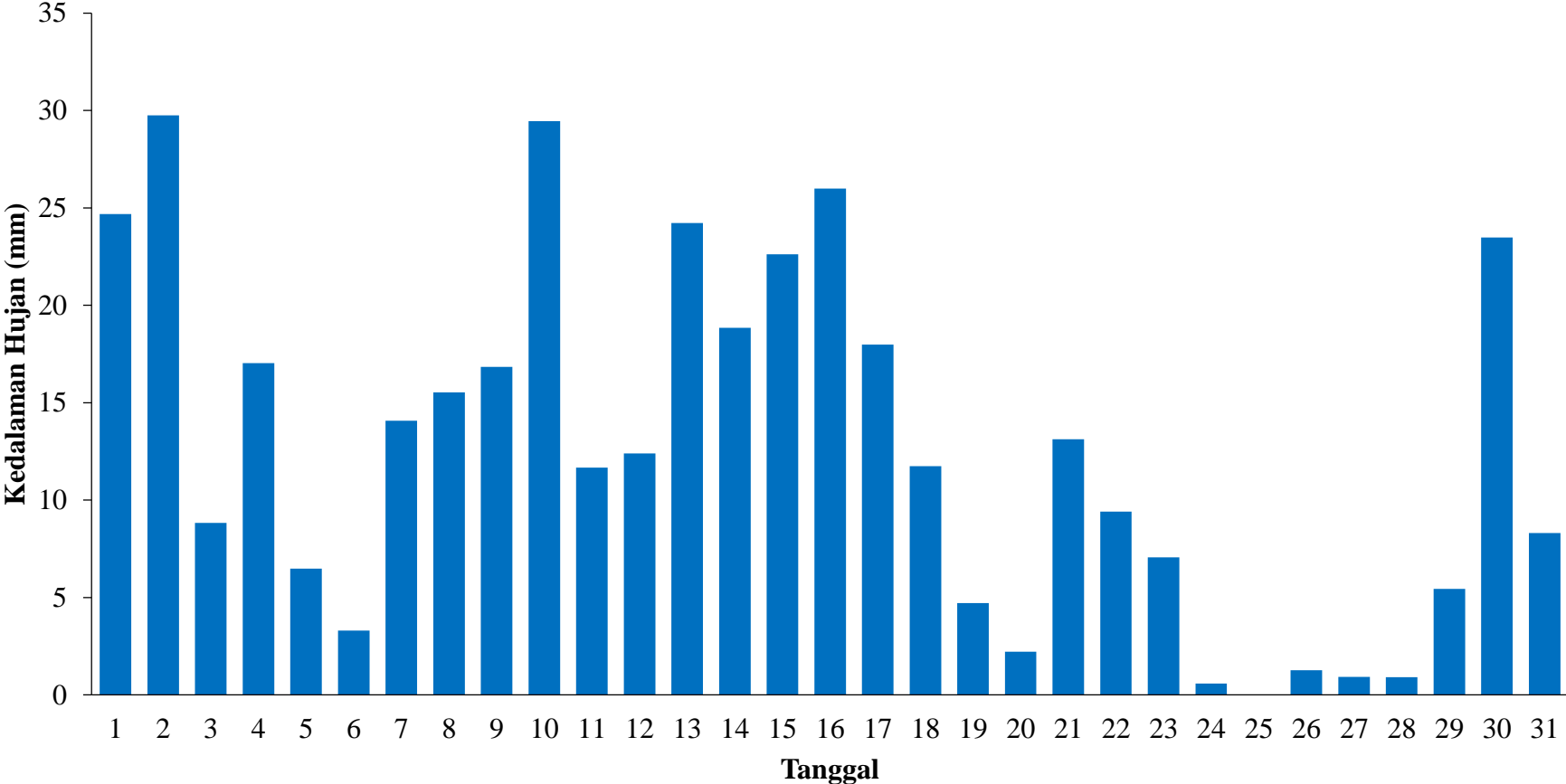
No	Nama	<i>Longitude</i>	<i>Latitude</i>	Luas Area (m ²)
1	Seneng	110°12'46,080"	-7°30'34,007"	132.588.777,4
2	Sawangan	110°20'36,955"	-7°31'45,018"	69.246.874,89
3	Grabag	110°20'05,973"	-7°22'12,031"	178.939.535,1
4	Kebraman	110°08'12,093"	-7°18'43,005"	137.362.368,7
5	Jumo	110°05'09,952"	-7°13'54,025"	44.795.994,41
6	Salaman	110°08'03,091"	-7°35'03,992"	86.201.884,34
7	Mendut	110°13'20,988"	-7°36'04,018"	53.234.108,26
8	Kaliloro	110°06'11,872"	-7°30'39,015"	84.955.476,63
9	Kalegen	110°09'32,019"	-7°27'24,043"	133.877.284,4
10	Muntilan	110°17'16,060"	-7°35'01,022"	25.511.729
11	Dukun	110°22'20,998"	-7°31'09,026"	41.053.878,24
12	Babadan	110°24'33,829"	-7°31'35,033"	41.973.572,3
13	Ngablak	110°24'05,012"	-7°24'03,018"	74.765.998,7
14	Ngadirejo	110°04'15,932"	-7°15'25,998"	102.612.936,5
15	Kandangan	110°11'04,903"	-7°15'26,002"	134.518.371
16	Badran	110°12'47,157"	-7°22'00,997"	160.490.476,9
Jumlah				1.502.129.267

Lampiran 5. Data Curah Hujan Sub DAS Progo Hulu Bulan Januari 2012

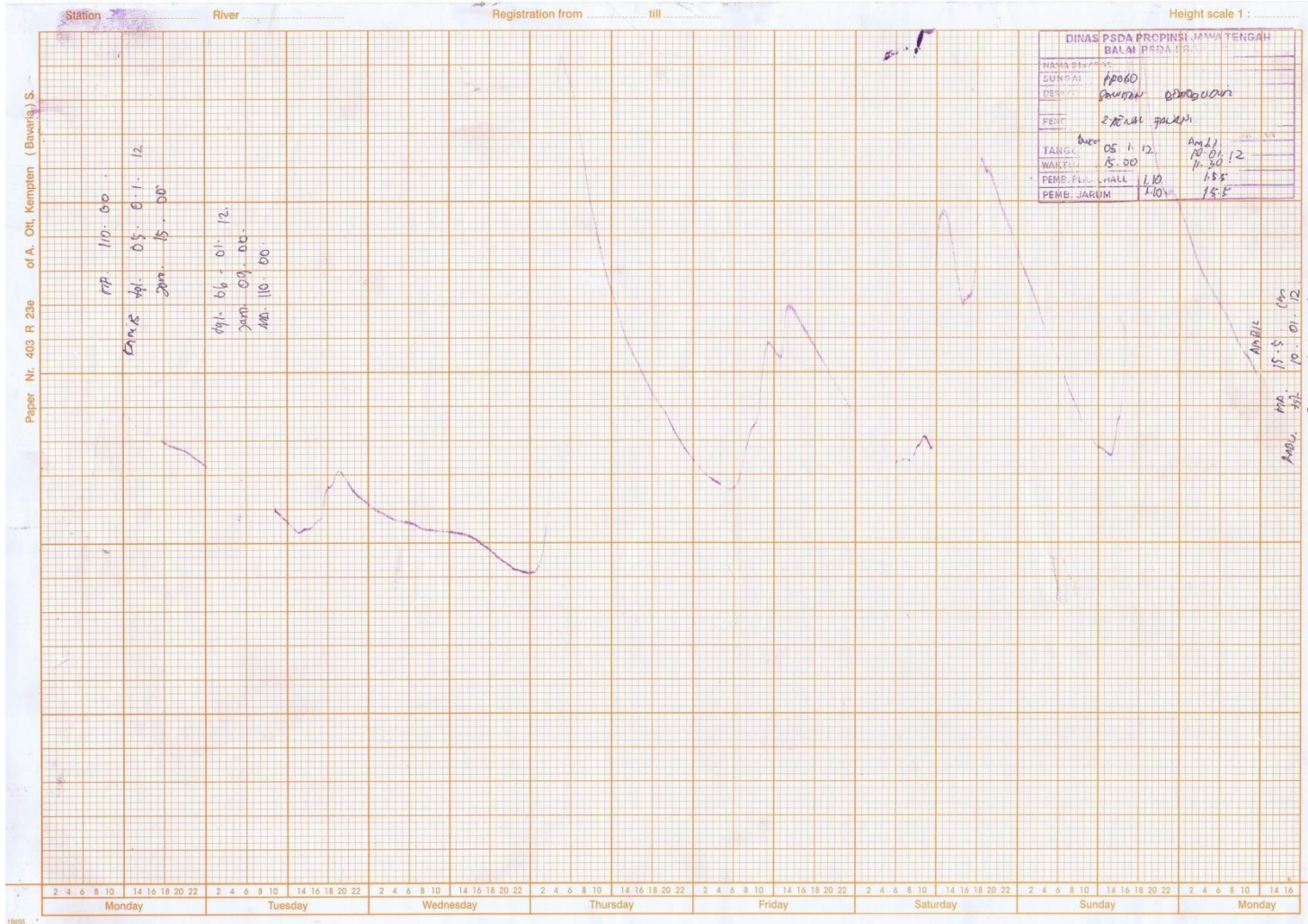
Tanggal	Stasiun Hujan															Hujan Kawasan	
	Seneng	Sawangan	Grabag	Kebraman	Jumo	Salaman	Mendut	Kaliloro	Kalegan	Muntilan	Dukun	Babadan	Ngeblak	Ngadirejo	Kandangan		Badran
1	11	7	35	19	11	23	66	3	10	20	17	57	33	8	13	62.6	24.686778
2	33	44	96	20	6	47	0	68	15	1	5	0	2	25	17	0	29.748159
3	0	11	4	7	23	7	45	4	25	26	2	3	0	6	6	5.1	8.8325574
4	12	0	0	16	17	10	0	9	9	0	0	25	14	4	21	80.2	17.032253
5	3	69	0	5	0	0	0	3	0	0	1	11	15	3	11	1.3	6.4827381
6	0	0	0	4	4	8	5	11	0	4	15	6	8	4	0	2.3	3.3061959
7	0	0	0	2	7	25	0	6	64	3	2	11	22	3	0	42	14.069938
8	39	15	5	8	0	34	0	42	28	17	0	5	4	8	4	16	15.524813
9	17	5	0	20	13	16	6	11	25	0	13	23	20	15	24	35	16.835522
10	40	32	4	3	6	40	55	31	49	39	12	39	71	7	2	64.4	29.452528
11	17	34	0	0	18	45	0	9	2	0	0	11	26	22	9	8.3	11.671443
12	5	5	0	0	20	3	10	14	24	0	16	4	29	6	29	25	12.396016
13	0	9	3	12	43	78	60	11	34	30	3	31	44	16	3	54.3	24.217717
14	31	17	12	5	0	56	26	25	17	35	1	19	8	14	5	32	18.844708
15	8	0	0	24	0	64	15	41	6	18	10	54	34	25	21	49.5	22.615984
16	9	34	12	3	19	97	13	60	22	60	14	8	8	18	22	44.5	25.991153
17	16	0	8	0	6	8	0	19	49	5	23	0	2	91	28	0	17.981868
18	5	4	21	0	0	25	0	38	15	2	0	19	16	0	16	8.5	11.750265
19	11	13	0	6	0	0	0	17	7	7	0	0	0	0	0	8.3	4.7099124
20	0	0	0	8	4	0	1	0	0	0	0	9	7	6	0	3	2.2165804
21	5	13	9	0	15	4	35	0	21	0	2	26	8	0	12	46.5	13.123737
22	11	16	0	10	0	15	4	11	25	15	0	20	4	6	11	5	9.4176321
23	0	17	0	0	3	0	0	0	17	0	0	0	0	9	8	31.3	7.0636491
24	4	0	0	0	0	0	0	0	0	0	0	0	2	2	0	0	0.5892389
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	10	0	0	0	0	0	0	0	0	7	0	0	0	1.2628645
27	7	0	0	0	2	3	0	0	0	0	0	3	0	0	0	0	0.9335014
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.5	0.9081569
29	0	0	0	6	12	0	7	0	0	0	0	34	33	0	19	0	5.4486611
30	18	44	4	3	6	8	6	4	9	3	31	28	133	5	4	77	23.474056
31	9	14	2	0	0	7	0	13	23	7	6	7	5	27	0	8.2	8.3127119

Satuan curah hujan dalam milimeter (mm)

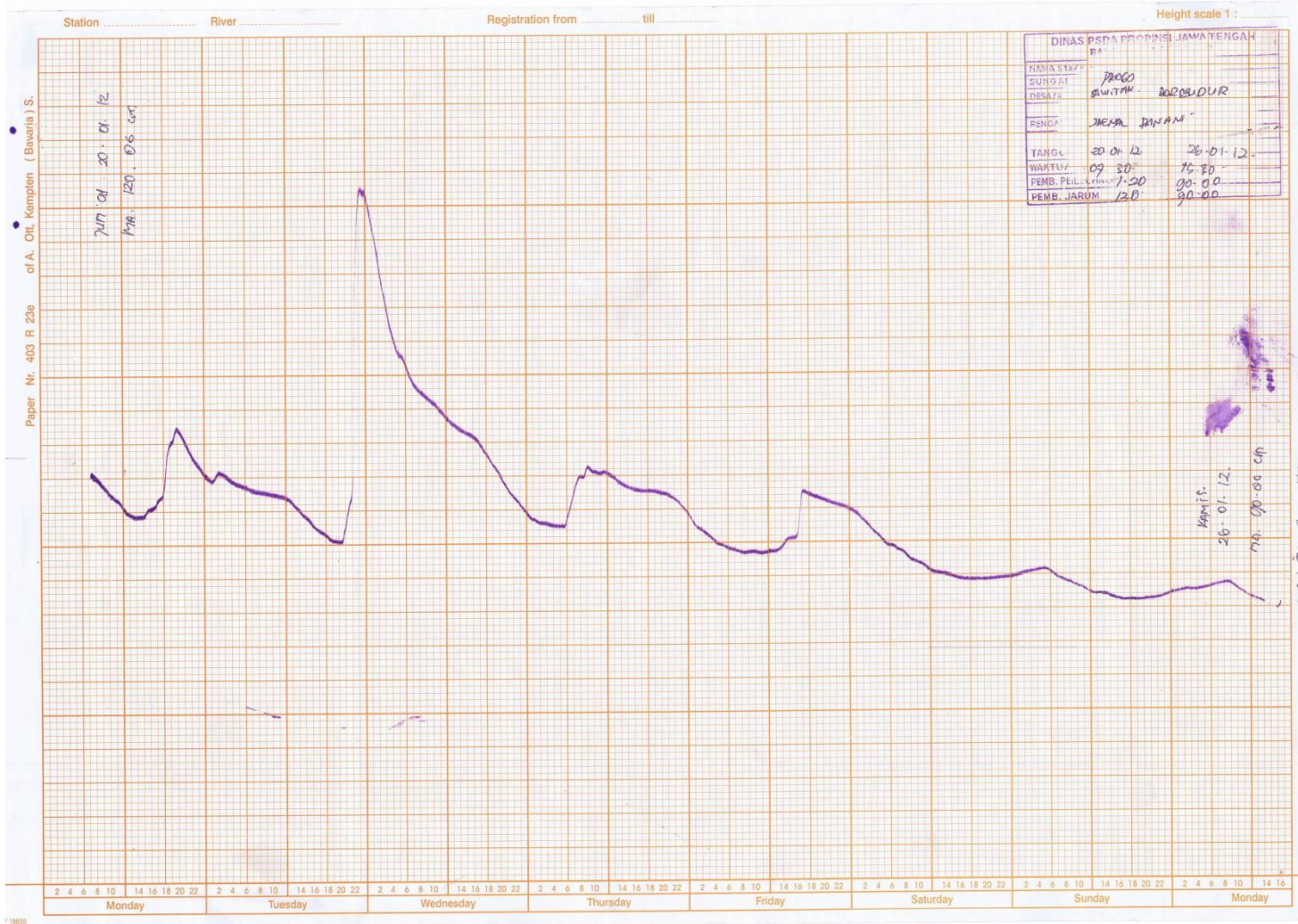
Lampiran 6. Grafik Curah Hujan Rata-rata DAS pada Bulan Januari 2012



Lampiran 8. Data Muka Air Pengamatan AWLR Tanggal 5-10 Januari 2012

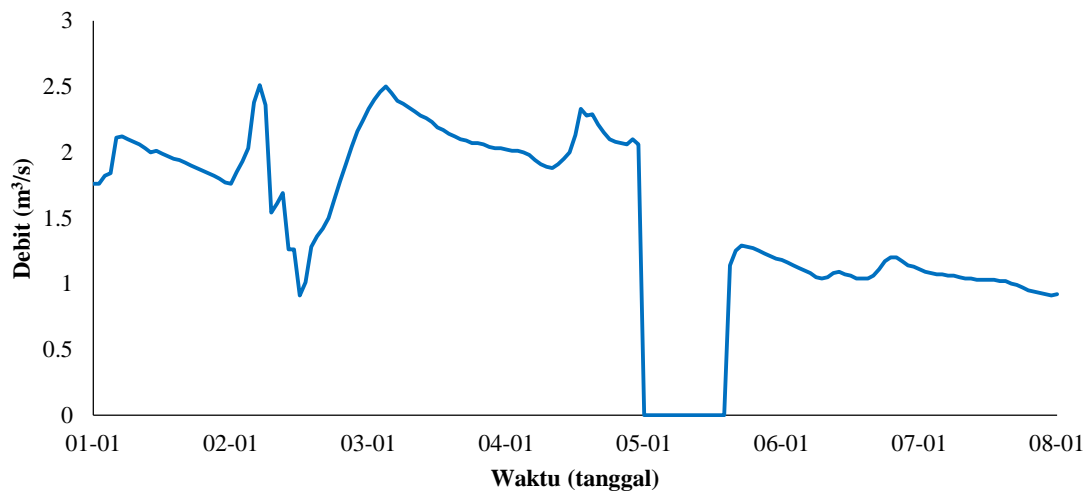


Lampiran 10. Data Muka Air Pengamatan AWLR Tanggal 20-26 Januari 2012

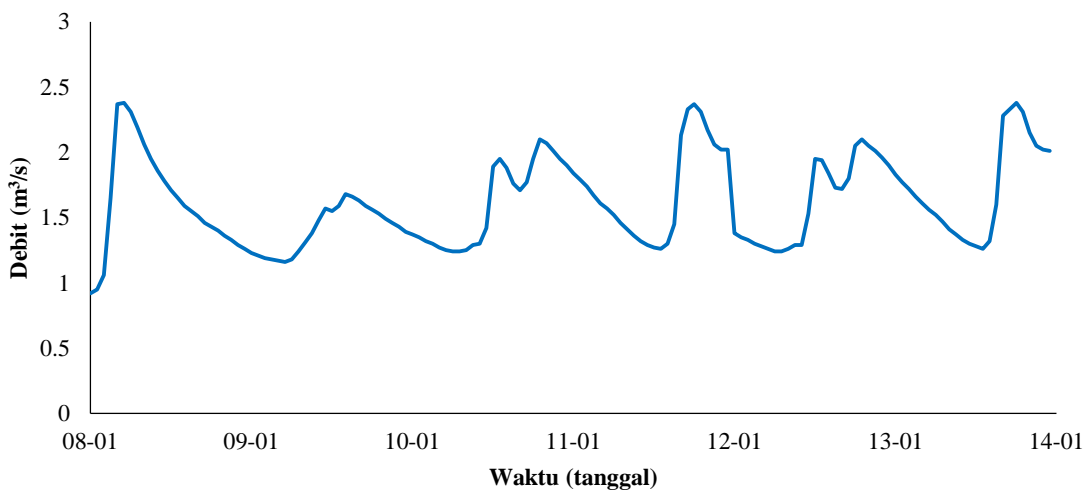


Lampiran 11. Data Muka Air AWLR Januari 2012

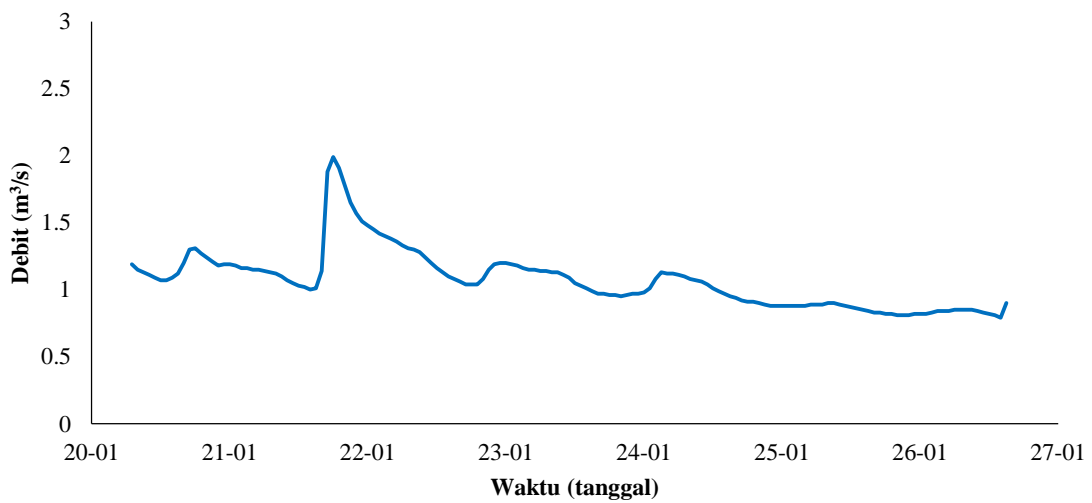
Tanggal 1-7



Tanggal 8-13



Tanggal 20-26



Lampiran 12. Hitungan ABM untuk Analisis Hidrograf Banjir Metode Nakayasu (n = 3)

Tanggal 1 Januari 2012

T_d jam	I_t mm/jam	$T_d \times I_t$ mm	ΔP mm	Pt (%) %	<i>Hyetograph</i> % mm	
1	8.558428	8.558428	8.558428	69.33613	12.64195	3.120891
2	5.391472	10.78294	2.224516	18.02192	69.33613	17.11686
3	4.114463	12.34339	1.560445	12.64195	18.02192	4.449031
Jumlah			12.34339	100	100	24.68678

Tanggal 2 Januari 2012

T_d jam	I_t mm/jam	$T_d \times I_t$ mm	ΔP mm	Pt (%) %	<i>Hyetograph</i> % mm	
1	10.3131	10.3131	10.3131	69.3361	12.642	3.76075
2	6.49685	12.9937	2.68059	18.0219	69.3361	20.6262
3	4.95803	14.8741	1.88037	12.642	18.0219	5.36119
Jumlah			14.8741	100	100	29.7482

Tanggal 3 Januari 2012

T_d jam	I_t mm/jam	$T_d \times I_t$ mm	ΔP mm	Pt (%) %	<i>Hyetograph</i> % mm	
1	3.06208	3.06208	3.06208	69.3361	12.642	1.11661
2	1.92899	3.85797	0.7959	18.0219	69.3361	6.12415
3	1.47209	4.41628	0.5583	12.642	18.0219	1.5918
Jumlah			4.41628	100	100	8.83256

Tanggal 4 Januari 2012

T_d jam	I_t mm/jam	$T_d \times I_t$ mm	ΔP mm	Pt (%) %	<i>Hyetograph</i> % mm	
1	5.90475	5.90475	5.90475	69.3361	12.642	2.15321
2	3.71976	7.43952	1.53477	18.0219	69.3361	11.8095
3	2.83871	8.51613	1.0766	12.642	18.0219	3.06954
Jumlah			8.51613	100	100	17.0323

Tanggal 5 Januari 2012

T_d jam	I_t mm/jam	$T_d \times I_t$ mm	ΔP mm	Pt (%) %	<i>Hyetograph</i> % mm	
1	2.24744	2.24744	2.24744	69.3361	12.642	0.81954
2	1.4158	2.8316	0.58416	18.0219	69.3361	4.49488
3	1.08046	3.24137	0.40977	12.642	18.0219	1.16831
Jumlah			3.24137	100	100	6.48274

Tanggal 6 Januari 2012

T_d jam	I_t mm/jam	$T_d \times I_t$ mm	ΔP mm	Pt (%) %	<i>Hyetograph</i> % mm	
1	1.14619	1.14619	1.14619	69.3361	12.642	0.41797
2	0.72206	1.44411	0.29792	18.0219	69.3361	2.29239
3	0.55103	1.6531	0.20898	12.642	18.0219	0.59584
Jumlah			1.6531	100	100	3.3062

Tanggal 7 Januari 2012

T_d jam	I_t mm/jam	$T_d \times I_t$ mm	ΔP mm	Pt (%) %	<i>Hyetograph</i> % mm	
1	4.87778	4.87778	4.87778	69.3361	12.642	1.77872
2	3.07281	6.14561	1.26784	18.0219	69.3361	9.75555
3	2.34499	7.03497	0.88936	12.642	18.0219	2.53567
Jumlah			7.03497	100	100	14.0699

Tanggal 8 Januari 2012

T_d jam	I_t mm/jam	$T_d \times I_t$ mm	ΔP mm	Pt (%) %	<i>Hyetograph</i> % mm	
1	5.38215	5.38215	5.38215	69.3361	12.642	1.96264
2	3.39054	6.78109	1.39893	18.0219	69.3361	10.7643
3	2.58747	7.76241	0.98132	12.642	18.0219	2.79787
Jumlah			7.76241	100	100	15.5248

Tanggal 9 Januari 2012

T_d jam	I_t mm/jam	$T_d \times I_t$ mm	ΔP mm	Pt (%) %	<i>Hyetograph</i> % mm	
1	5.83655	5.83655	5.83655	69.3361	12.642	2.12834
2	3.6768	7.35359	1.51704	18.0219	69.3361	11.6731
3	2.80592	8.41776	1.06417	12.642	18.0219	3.03408
Jumlah			8.41776	100	100	16.8355

Tanggal 10 Januari 2012

T_d jam	I_t mm/jam	$T_d \times I_t$ mm	ΔP mm	Pt (%) %	<i>Hyetograph</i> % mm	
1	10.2106	10.2106	10.2106	69.3361	12.642	3.72337
2	6.43229	12.8646	2.65396	18.0219	69.3361	20.4212
3	4.90875	14.7263	1.86169	12.642	18.0219	5.30791
Jumlah			14.7263	100	100	29.4525

Tanggal 11 Januari 2012

T_d jam	I_t mm/jam	$T_d \times I_t$ mm	ΔP mm	Pt (%) %	<i>Hyetograph</i> % mm	
1	4.04626	4.04626	4.04626	69.3361	12.642	1.4755
2	2.54899	5.09797	1.05171	18.0219	69.3361	8.09253
3	1.94524	5.83572	0.73775	12.642	18.0219	2.10342
Jumlah			5.83572	100	100	11.6714

Tanggal 12 Januari 2012

T_d jam	I_t mm/jam	$T_d \times I_t$ mm	ΔP mm	Pt (%) %	<i>Hyetograph</i> % mm	
1	4.29746	4.29746	4.29746	69.3361	12.642	1.5671
2	2.70723	5.41446	1.117	18.0219	69.3361	8.59492
3	2.066	6.19801	0.78355	12.642	18.0219	2.234
Jumlah			6.19801	100	100	12.396

Tanggal 13 Januari 2012

T_d jam	I_t mm/jam	$T_d \times I_t$ mm	ΔP mm	Pt (%) %	<i>Hyetograph</i> % mm	
1	8.39581	8.39581	8.39581	69.3361	12.642	3.06159
2	5.28903	10.5781	2.18225	18.0219	69.3361	16.7916
3	4.03629	12.1089	1.5308	12.642	18.0219	4.3645
Jumlah			12.1089	100	100	24.2177

Tanggal 20 Januari 2012

T_d jam	I_t mm/jam	$T_d \times I_t$ mm	ΔP mm	Pt (%) %	<i>Hyetograph</i> % mm	
1	0.76845	0.76845	0.76845	69.3361	12.642	0.28022
2	0.48409	0.96818	0.19974	18.0219	69.3361	1.53689
3	0.36943	1.10829	0.14011	12.642	18.0219	0.39947
Jumlah			1.10829	100	100	2.21658

Tanggal 21 Januari 2012

T_d jam	I_t mm/jam	$T_d \times I_t$ mm	ΔP mm	Pt (%) %	<i>Hyetograph</i> % mm	
1	4.54975	4.54975	4.54975	69.3361	12.642	1.6591
2	2.86616	5.73232	1.18257	18.0219	69.3361	9.09949
3	2.18729	6.56187	0.82955	12.642	18.0219	2.36515
Jumlah			6.56187	100	100	13.1237

Tanggal 22 Januari 2012

T_d jam	I_t mm/jam	$T_d \times I_t$ mm	ΔP mm	Pt (%) %	<i>Hyetograph</i> % mm	
1	3.26491	3.26491	3.26491	69.3361	12.642	1.19057
2	2.05676	4.11353	0.84862	18.0219	69.3361	6.52982
3	1.56961	4.70882	0.59529	12.642	18.0219	1.69724
Jumlah			4.70882	100	100	9.41763

Tanggal 23 Januari 2012

T_d jam	I_t mm/jam	$T_d \times I_t$ mm	ΔP mm	Pt (%) %	<i>Hyetograph</i> % mm	
1	2.44883	2.44883	2.44883	69.3361	12.642	0.89298
2	1.54267	3.08533	0.6365	18.0219	69.3361	4.89766
3	1.17727	3.53182	0.44649	12.642	18.0219	1.27301
Jumlah			3.53182	100	100	7.06365

Tanggal 24 Januari 2012

T_d jam	I_t mm/jam	$T_d \times I_t$ mm	ΔP mm	Pt (%) %	<i>Hyetograph</i> % mm	
1	0.20428	0.20428	0.20428	69.3361	12.642	0.07449
2	0.12869	0.25737	0.0531	18.0219	69.3361	0.40856
3	0.09821	0.29462	0.03725	12.642	18.0219	0.10619
Jumlah			0.29462	100	100	0.58924

Tanggal 25 Januari 2012

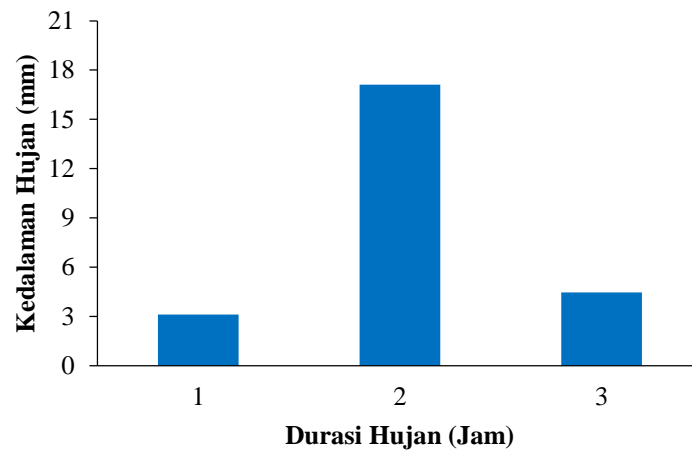
T_d jam	I_t mm/jam	$T_d \times I_t$ mm	ΔP mm	Pt (%) %	<i>Hyetograph</i> % mm	
1	0	0	0	0	0	0
2	0	0	0	0	0	0
3	0	0	0	0	0	0
Jumlah			0	0	0	0

Tanggal 26 Januari 2012

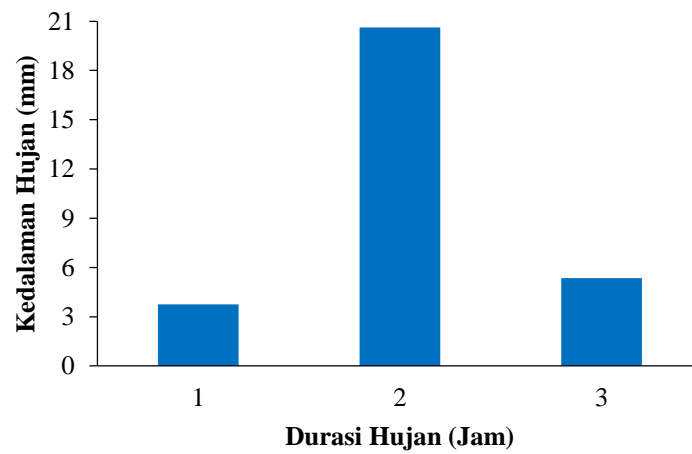
T_d jam	I_t mm/jam	$T_d \times I_t$ mm	ΔP mm	Pt (%) %	<i>Hyetograph</i> % mm	
1	0.43781	0.43781	0.43781	69.3361	12.642	0.15965
2	0.2758	0.55161	0.1138	18.0219	69.3361	0.87562
3	0.21048	0.63143	0.07983	12.642	18.0219	0.22759
Jumlah			0.63143	100	100	1.26286

Lampiran 13. Hyetograf *ABM* untuk Analisis Hidrograf Banjir Metode *Nakayasu* ($n = 3$)

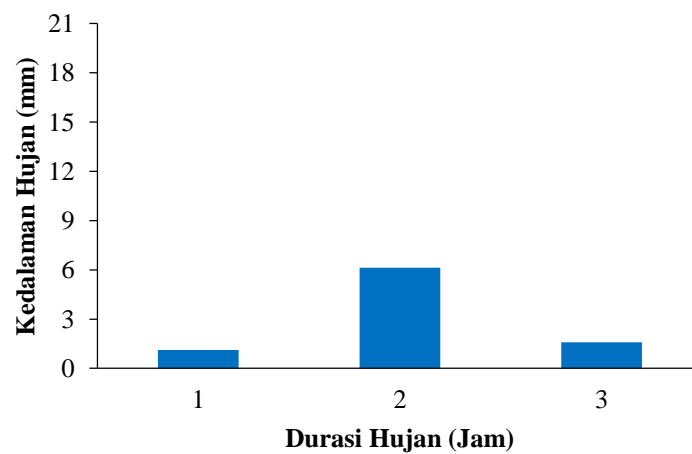
Tanggal 1 Januari 2012



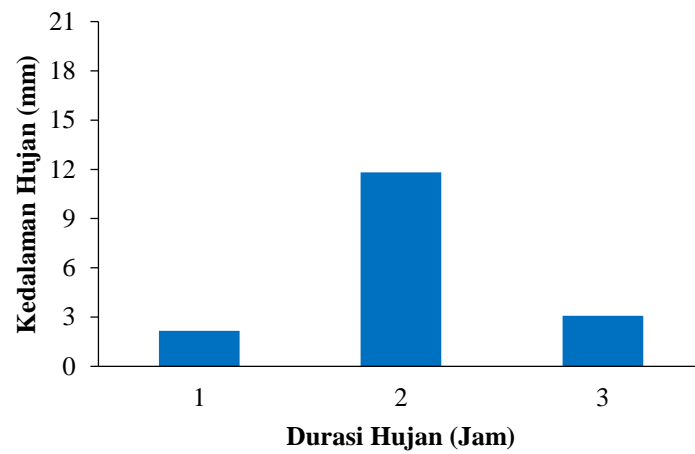
Tanggal 2 Januari 2012



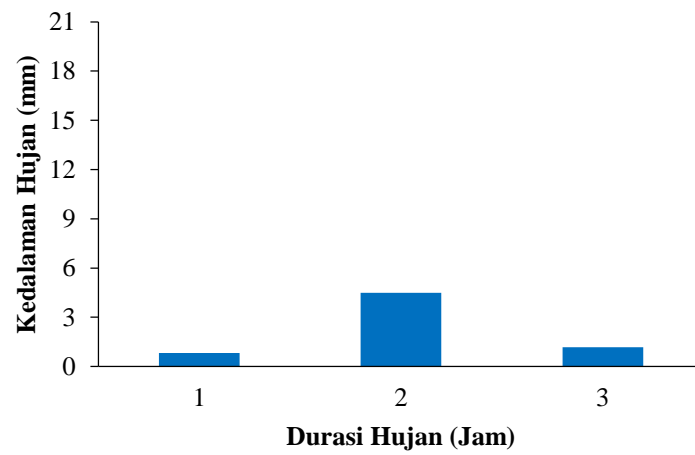
Tanggal 3 Januari 2012



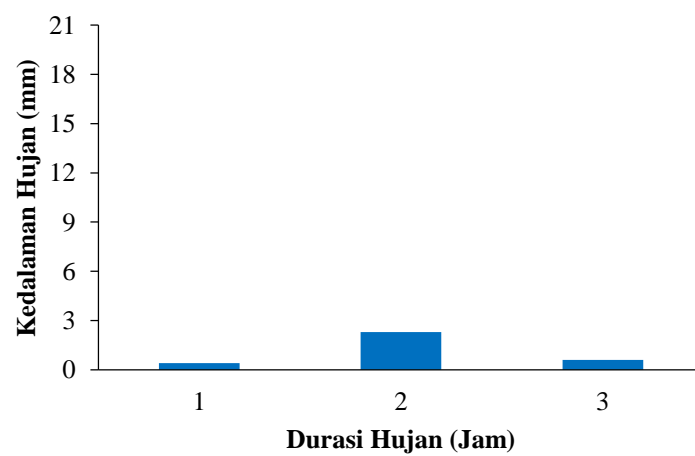
Tanggal 4 Januari 2012



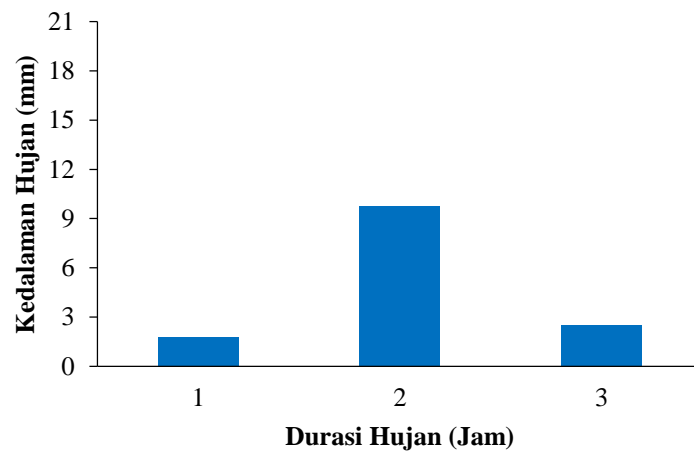
Tanggal 5 Januari 2012



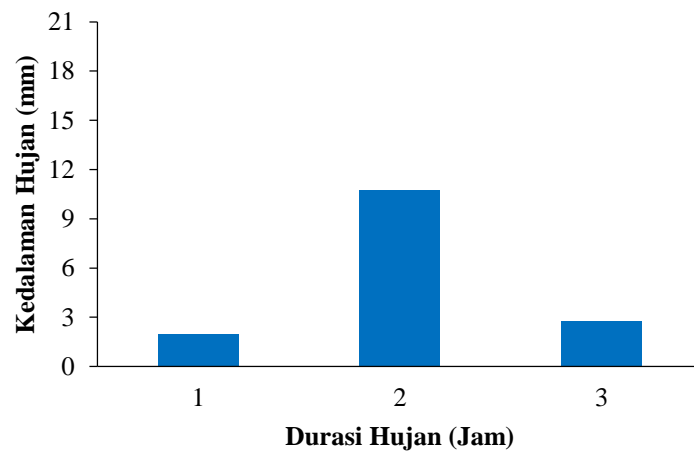
Tanggal 6 Januari 2012



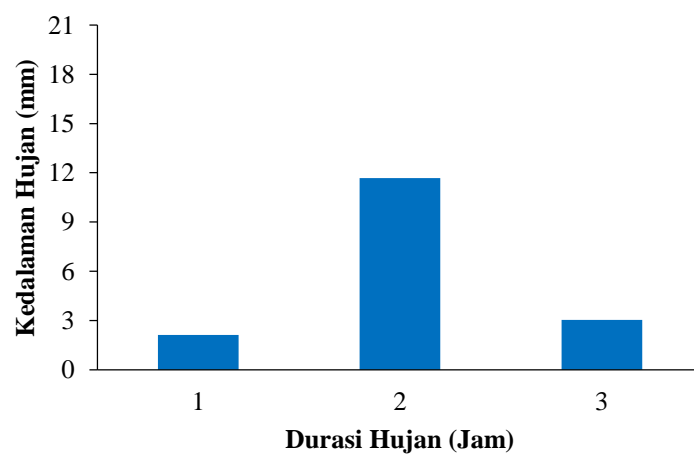
Tanggal 7 Januari 2012



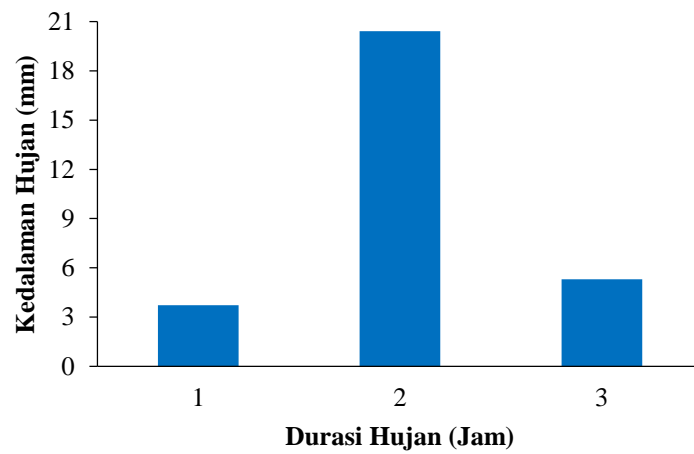
Tanggal 8 Januari 2012



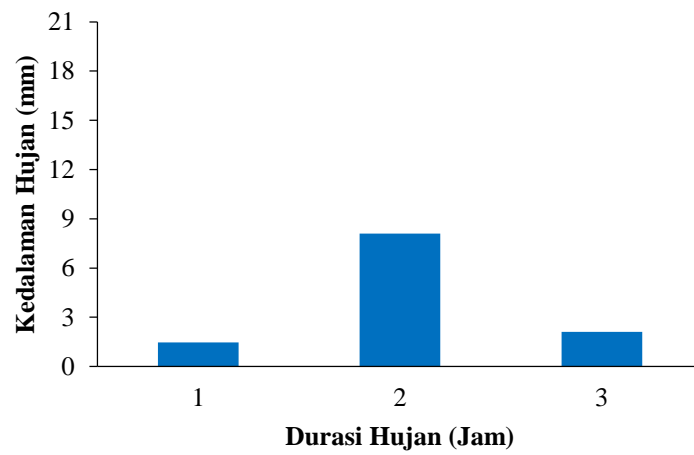
Tanggal 9 Januari 2012



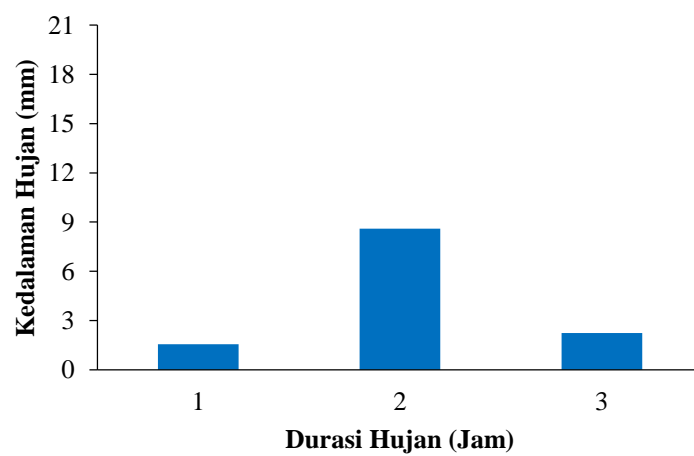
Tanggal 10 Januari 2012



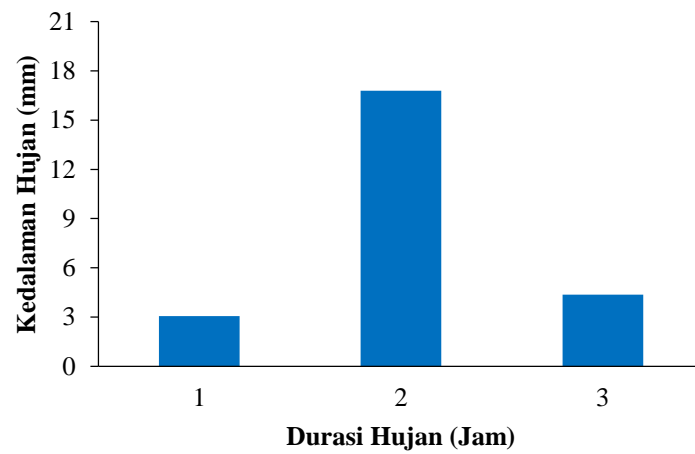
Tanggal 11 Januari 2012



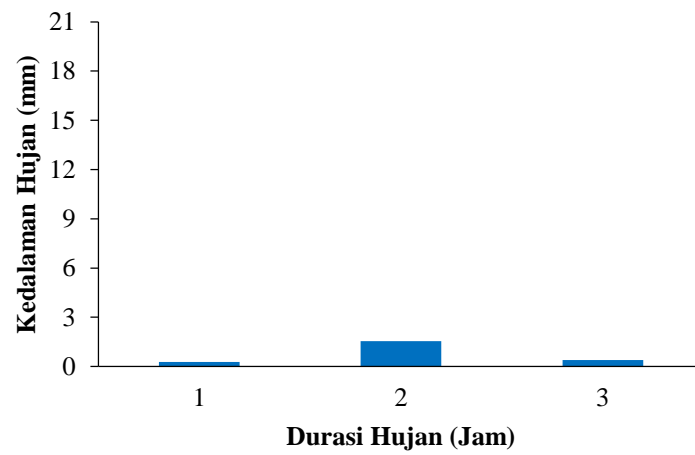
Tanggal 12 Januari 2012



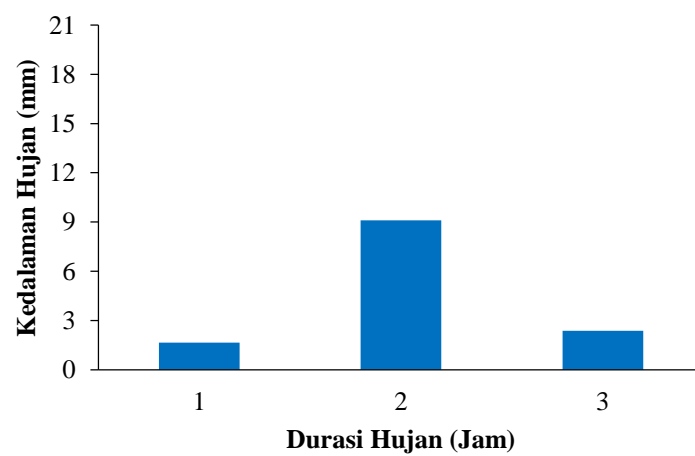
Tanggal 13 Januari 2012



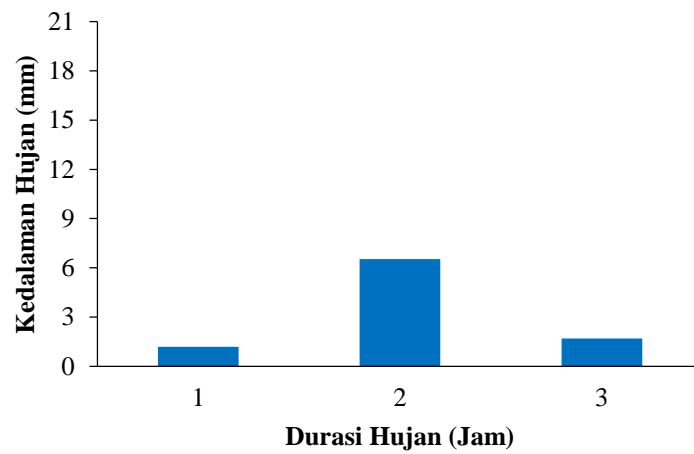
Tanggal 20 Januari 2012



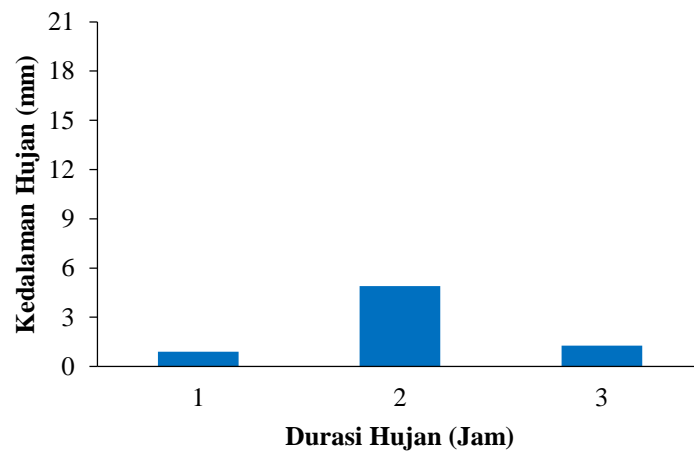
Tanggal 21 Januari 2012



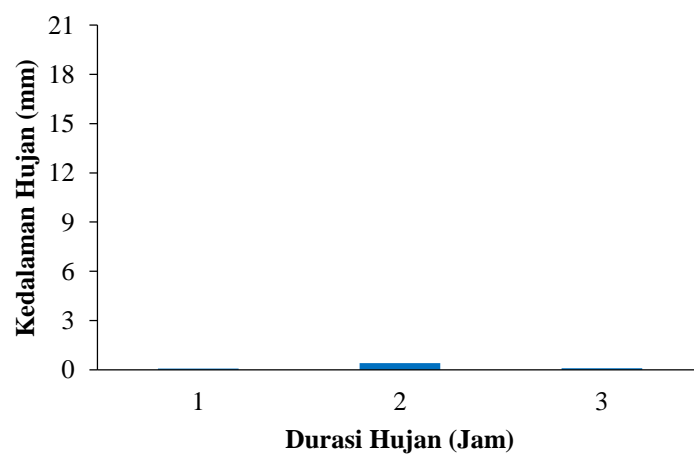
Tanggal 22 Januari 2012



Tanggal 23 Januari 2012



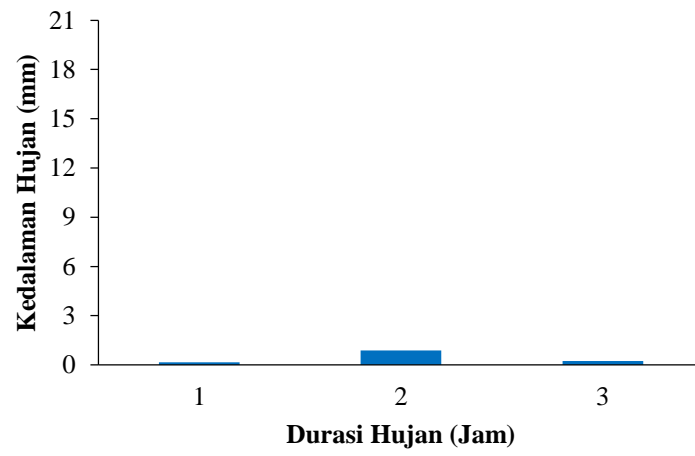
Tanggal 24 Januari 2012



Tanggal 25 Januari 2012

Tidak terdapat hyetograf karena tidak terjadi hujan pada tanggal 25 Januari 2012

Tanggal 26 Januari 2012



Lampiran 14. Hitungan *ABM* untuk Analisis Hidrograf Banjir Metode ITB-2 (n = 5)

Tanggal 1 Januari 2012

T_d jam	I_t mm/jam	$T_d \times I_t$ mm	ΔP mm	Pt (%) %	<i>Hyetograph</i> % mm	
1	8.55843	8.55843	8.55843	58.4804	8.48851	2.09554
2	5.39147	10.7829	2.22452	15.2003	7.16822	1.7696
3	4.11446	12.3434	1.56045	10.6626	58.4804	14.4369
4	3.39641	13.5857	1.24227	8.48851	15.2003	3.75246
5	2.92694	14.6347	1.04905	7.16822	10.6626	2.63226
Jumlah			14.6347	100	100	24.6868

Tanggal 2 Januari 2012

T_d jam	I_t mm/jam	$T_d \times I_t$ mm	ΔP mm	Pt (%) %	<i>Hyetograph</i> % mm	
1	10.3131	10.3131	10.3131	58.4804	8.48851	2.52518
2	6.49685	12.9937	2.68059	15.2003	7.16822	2.13241
3	4.95803	14.8741	1.88037	10.6626	58.4804	17.3968
4	4.09276	16.371	1.49696	8.48851	15.2003	4.5218
5	3.52703	17.6352	1.26413	7.16822	10.6626	3.17194
Jumlah			17.6352	100	100	29.7482

Tanggal 3 Januari 2012

T_d jam	I_t mm/jam	$T_d \times I_t$ mm	ΔP mm	Pt (%) %	<i>Hyetograph</i> % mm	
1	3.06208	3.06208	3.06208	58.4804	8.48851	0.74975
2	1.92899	3.85797	0.7959	15.2003	7.16822	0.63314
3	1.47209	4.41628	0.5583	10.6626	58.4804	5.16531
4	1.21519	4.86074	0.44446	8.48851	15.2003	1.34257
5	1.04722	5.23608	0.37533	7.16822	10.6626	0.94178
Jumlah			5.23608	100	100	8.83256

Tanggal 4 Januari 2012

T_d jam	I_t mm/jam	$T_d \times I_t$ mm	ΔP mm	Pt (%) %	<i>Hyetograph</i> % mm	
1	5.90475	5.90475	5.90475	58.4804	8.48851	1.44578
2	3.71976	7.43952	1.53477	15.2003	7.16822	1.22091
3	2.83871	8.51613	1.0766	10.6626	58.4804	9.96052
4	2.3433	9.37321	0.85708	8.48851	15.2003	2.58895
5	2.0194	10.097	0.72377	7.16822	10.6626	1.81609
Jumlah			10.097	100	100	17.0323

Tanggal 5 Januari 2012

T_d jam	I_t mm/jam	$T_d \times I_t$ mm	ΔP mm	Pt (%) %	<i>Hyetograph</i> % mm	
1	2.24744	2.24744	2.24744	58.4804	8.48851	0.55029
2	1.4158	2.8316	0.58416	15.2003	7.16822	0.4647
3	1.08046	3.24137	0.40977	10.6626	58.4804	3.79113
4	0.8919	3.56759	0.32622	8.48851	15.2003	0.98539
5	0.76861	3.84307	0.27548	7.16822	10.6626	0.69123
Jumlah			3.84307	100	100	6.48274

Tanggal 6 Januari 2012

T_d jam	I_t mm/jam	$T_d \times I_t$ mm	ΔP mm	Pt (%) %	<i>Hyetograph</i> % mm	
1	1.14619	1.14619	1.14619	58.4804	8.48851	0.28065
2	0.72206	1.44411	0.29792	15.2003	7.16822	0.237
3	0.55103	1.6531	0.20898	10.6626	58.4804	1.93348
4	0.45487	1.81947	0.16637	8.48851	15.2003	0.50255
5	0.39199	1.95996	0.14049	7.16822	10.6626	0.35253
Jumlah			1.95996	100	100	3.3062

Tanggal 7 Januari 2012

T_d jam	I_t mm/jam	$T_d \times I_t$ mm	ΔP mm	Pt (%) %	<i>Hyetograph</i> % mm	
1	4.87778	4.87778	4.87778	58.4804	8.48851	1.19433
2	3.07281	6.14561	1.26784	15.2003	7.16822	1.00856
3	2.34499	7.03497	0.88936	10.6626	58.4804	8.22815
4	1.93575	7.74299	0.70802	8.48851	15.2003	2.13867
5	1.66818	8.34088	0.59789	7.16822	10.6626	1.50023
Jumlah			8.34088	100	100	14.0699

Tanggal 8 Januari 2012

T_d jam	I_t mm/jam	$T_d \times I_t$ mm	ΔP mm	Pt (%) %	<i>Hyetograph</i> % mm	
1	5.38215	5.38215	5.38215	58.4804	8.48851	1.31783
2	3.39054	6.78109	1.39893	15.2003	7.16822	1.11285
3	2.58747	7.76241	0.98132	10.6626	58.4804	9.07897
4	2.13591	8.54363	0.78123	8.48851	15.2003	2.35981
5	1.84067	9.20335	0.65972	7.16822	10.6626	1.65535
Jumlah			9.20335	100	100	15.5248

Tanggal 9 Januari 2012

T_d jam	I_t mm/jam	$T_d \times I_t$ mm	ΔP mm	Pt (%) %	<i>Hyetograph</i> % mm	
1	5.83655	5.83655	5.83655	58.4804	8.48851	1.42908
2	3.6768	7.35359	1.51704	15.2003	7.16822	1.20681
3	2.80592	8.41776	1.06417	10.6626	58.4804	9.84547
4	2.31624	9.26494	0.84718	8.48851	15.2003	2.55905
5	1.99607	9.98036	0.71541	7.16822	10.6626	1.79511
Jumlah			9.98036	100	100	16.8355

Tanggal 10 Januari 2012

T_d jam	I_t mm/jam	$T_d \times I_t$ mm	ΔP mm	Pt (%) %	<i>Hyetograph</i> % mm	
1	10.2106	10.2106	10.2106	58.4804	8.48851	2.50008
2	6.43229	12.8646	2.65396	15.2003	7.16822	2.11122
3	4.90875	14.7263	1.86169	10.6626	58.4804	17.2239
4	4.05209	16.2084	1.48209	8.48851	15.2003	4.47687
5	3.49198	17.4599	1.25157	7.16822	10.6626	3.14042
Jumlah			17.4599	100	100	29.4525

Tanggal 11 Januari 2012

T_d jam	I_t mm/jam	$T_d \times I_t$ mm	ΔP mm	Pt (%) %	<i>Hyetograph</i> % mm	
1	4.04626	4.04626	4.04626	58.4804	8.48851	0.99073
2	2.54899	5.09797	1.05171	15.2003	7.16822	0.83664
3	1.94524	5.83572	0.73775	10.6626	58.4804	6.8255
4	1.60576	6.42304	0.58732	8.48851	15.2003	1.77409
5	1.3838	6.91901	0.49597	7.16822	10.6626	1.24448
Jumlah			6.91901	100	100	11.6714

Tanggal 12 Januari 2012

T_d jam	I_t mm/jam	$T_d \times I_t$ mm	ΔP mm	Pt (%) %	<i>Hyetograph</i> % mm	
1	4.29746	4.29746	4.29746	58.4804	8.48851	1.05224
2	2.70723	5.41446	1.117	15.2003	7.16822	0.88857
3	2.066	6.19801	0.78355	10.6626	58.4804	7.24923
4	1.70545	6.82179	0.62378	8.48851	15.2003	1.88423
5	1.46971	7.34855	0.52676	7.16822	10.6626	1.32174
Jumlah			7.34855	100	100	12.396

Tanggal 13 Januari 2012

T_d jam	I_t mm/jam	$T_d \times I_t$ mm	ΔP mm	Pt (%) %	<i>Hyetograph</i> % mm	
1	8.39581	8.39581	8.39581	58.4804	8.48851	2.05572
2	5.28903	10.5781	2.18225	15.2003	7.16822	1.73598
3	4.03629	12.1089	1.5308	10.6626	58.4804	14.1626
4	3.33188	13.3275	1.21866	8.48851	15.2003	3.68116
5	2.87133	14.3566	1.02912	7.16822	10.6626	2.58225
Jumlah			14.3566	100	100	24.2177

Tanggal 20 Januari 2012

T_d jam	I_t mm/jam	$T_d \times I_t$ mm	ΔP mm	Pt (%) %	<i>Hyetograph</i> % mm	
1	0.76845	0.76845	0.76845	58.4804	8.48851	0.18815
2	0.48409	0.96818	0.19974	15.2003	7.16822	0.15889
3	0.36943	1.10829	0.14011	10.6626	58.4804	1.29626
4	0.30496	1.21983	0.11154	8.48851	15.2003	0.33693
5	0.2628	1.31402	0.09419	7.16822	10.6626	0.23635
Jumlah			1.31402	100	100	2.21658

Tanggal 21 Januari 2012

T_d jam	I_t mm/jam	$T_d \times I_t$ mm	ΔP mm	Pt (%) %	<i>Hyetograph</i> % mm	
1	4.54975	4.54975	4.54975	58.4804	8.48851	1.11401
2	2.86616	5.73232	1.18257	15.2003	7.16822	0.94074
3	2.18729	6.56187	0.82955	10.6626	58.4804	7.67481
4	1.80557	7.22227	0.6604	8.48851	15.2003	1.99484
5	1.55599	7.77996	0.55768	7.16822	10.6626	1.39934
Jumlah			7.77996	100	100	13.1237

Tanggal 22 Januari 2012

T_d jam	I_t mm/jam	$T_d \times I_t$ mm	ΔP mm	Pt (%) %	<i>Hyetograph</i> % mm	
1	3.26491	3.26491	3.26491	58.4804	8.48851	0.79942
2	2.05676	4.11353	0.84862	15.2003	7.16822	0.67508
3	1.56961	4.70882	0.59529	10.6626	58.4804	5.50746
4	1.29568	5.18272	0.47391	8.48851	15.2003	1.43151
5	1.11658	5.58292	0.4002	7.16822	10.6626	1.00417
Jumlah			5.58292	100	100	9.41763

Tanggal 23 Januari 2012

T_d jam	I_t mm/jam	$T_d \times I_t$ mm	ΔP mm	Pt (%) %	<i>Hyetograph</i> % mm	
1	2.44883	2.44883	2.44883	58.4804	8.48851	0.5996
2	1.54267	3.08533	0.6365	15.2003	7.16822	0.50634
3	1.17727	3.53182	0.44649	10.6626	58.4804	4.13085
4	0.97182	3.88728	0.35545	8.48851	15.2003	1.07369
5	0.83749	4.18744	0.30017	7.16822	10.6626	0.75317
Jumlah			4.18744	100	100	7.06365

Tanggal 24 Januari 2012

T_d jam	I_t mm/jam	$T_d \times I_t$ mm	ΔP mm	Pt (%) %	<i>Hyetograph</i> % mm	
1	0.20428	0.20428	0.20428	58.4804	8.48851	0.05002
2	0.12869	0.25737	0.0531	15.2003	7.16822	0.04224
3	0.09821	0.29462	0.03725	10.6626	58.4804	0.34459
4	0.08107	0.32427	0.02965	8.48851	15.2003	0.08957
5	0.06986	0.34931	0.02504	7.16822	10.6626	0.06283
Jumlah			0.34931	100	100	0.58924

Tanggal 25 Januari 2012

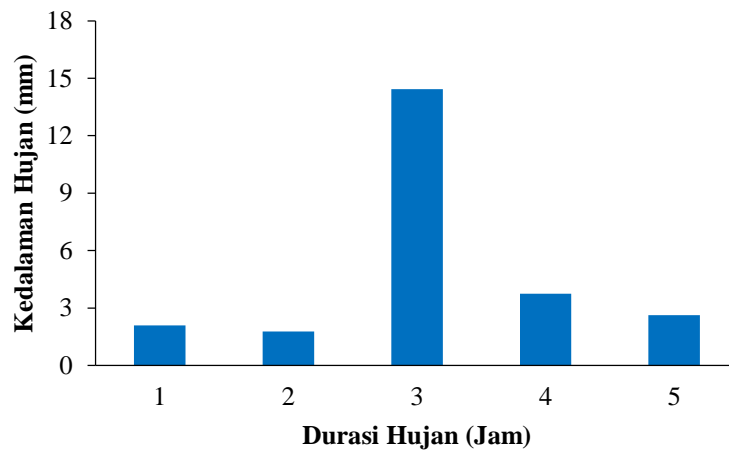
T_d jam	I_t mm/jam	$T_d \times I_t$ mm	ΔP mm	Pt (%) %	<i>Hyetograph</i> % mm	
1	0	0	0	0	0	0
2	0	0	0	0	0	0
3	0	0	0	0	0	0
4	0	0	0	0	0	0
5	0	0	0	0	0	0
Jumlah			0	0	0	0

Tanggal 26 Januari 2012

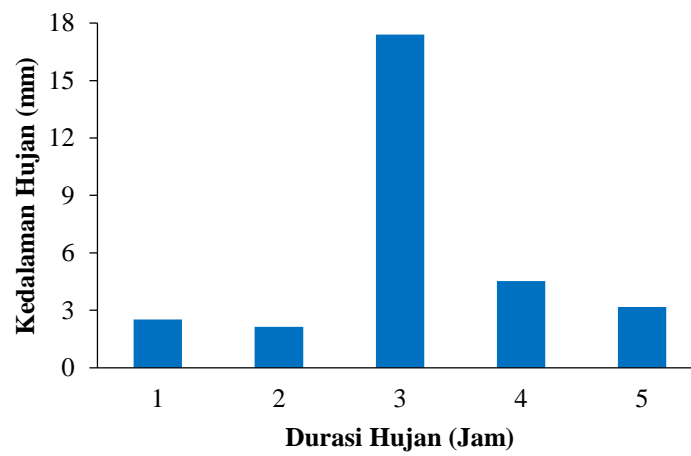
T_d jam	I_t mm/jam	$T_d \times I_t$ mm	ΔP mm	Pt (%) %	<i>Hyetograph</i> % mm	
1	0.43781	0.43781	0.43781	58.4804	8.48851	0.1072
2	0.2758	0.55161	0.1138	15.2003	7.16822	0.09052
3	0.21048	0.63143	0.07983	10.6626	58.4804	0.73853
4	0.17375	0.69498	0.06355	8.48851	15.2003	0.19196
5	0.14973	0.74865	0.05366	7.16822	10.6626	0.13465
Jumlah			0.74865	100	100	1.26286

Lampiran 15. Hyetograf *ABM* untuk Analisis Hidrograf Banjir Metode ITB-2 (n = 5)

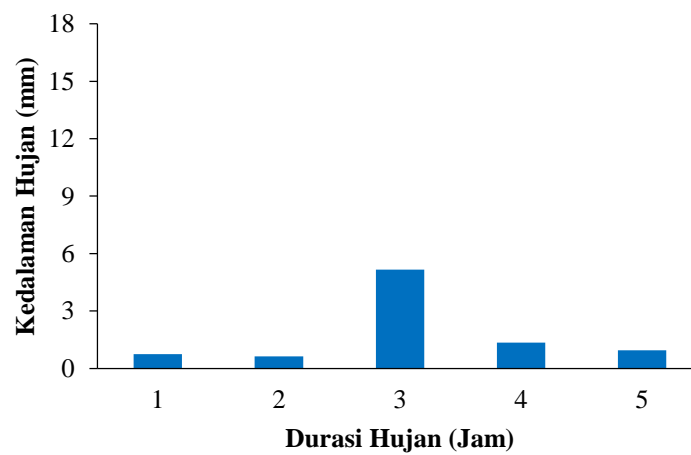
Tanggal 1 Januari 2012



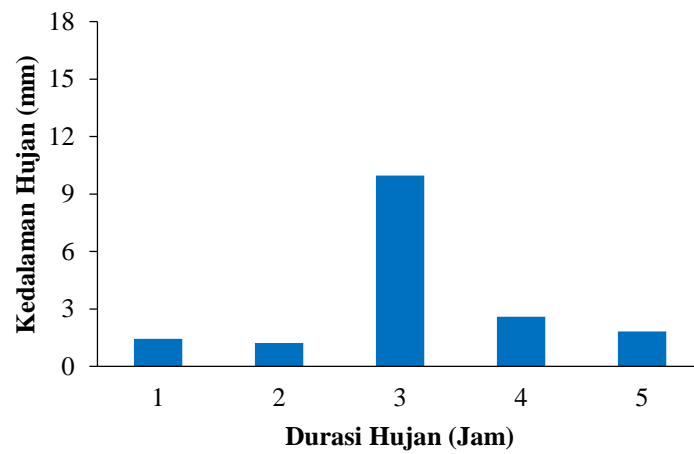
Tanggal 2 Januari 2012



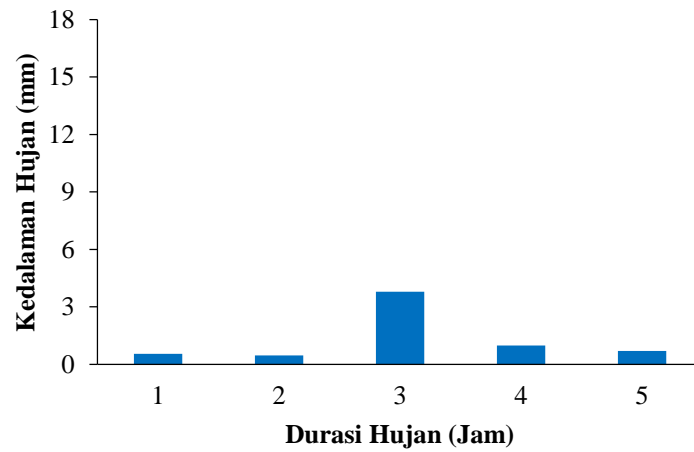
Tanggal 3 Januari 2012



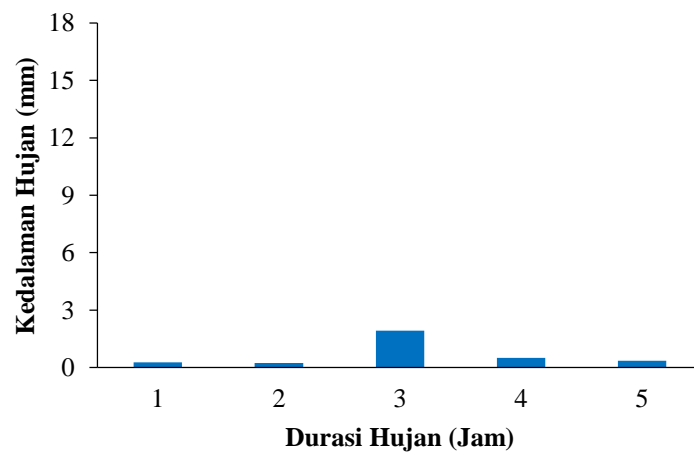
Tanggal 4 Januari 2012



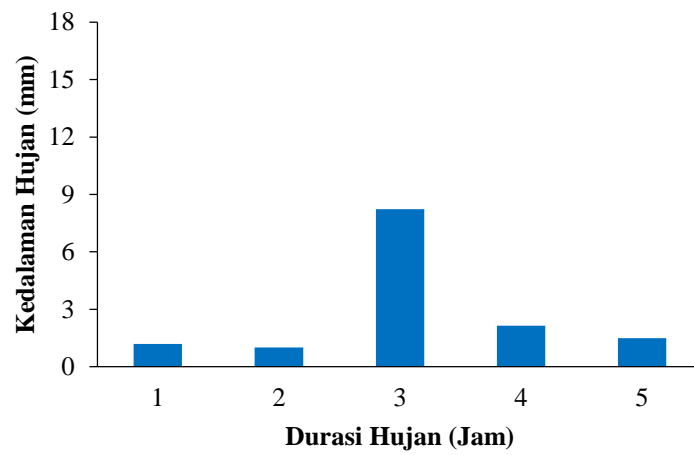
Tanggal 5 Januari 2012



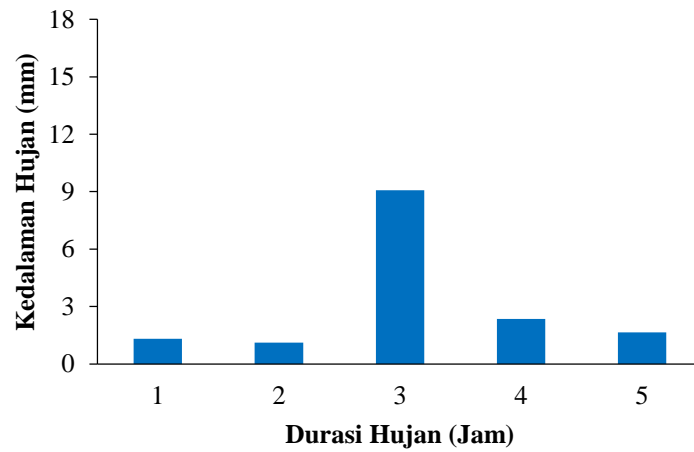
Tanggal 6 Januari 2012



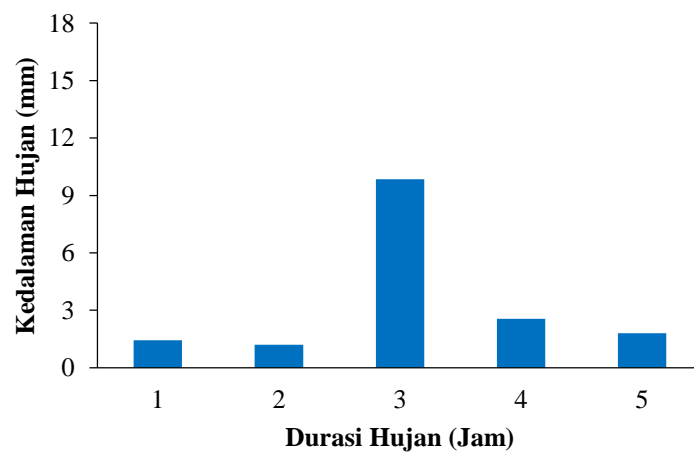
Tanggal 7 Januari 2012



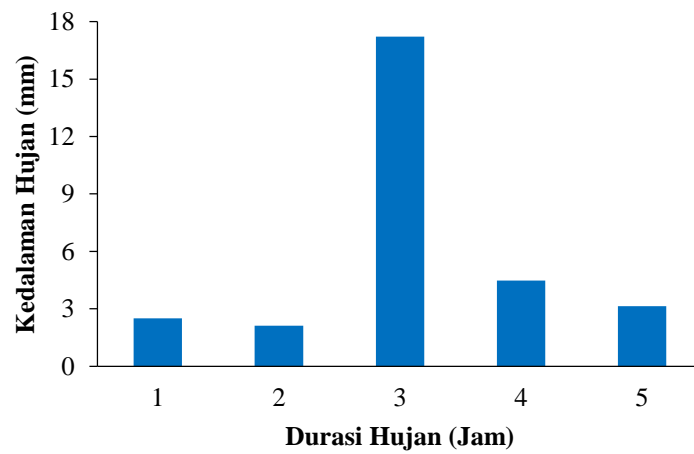
Tanggal 8 Januari 2012



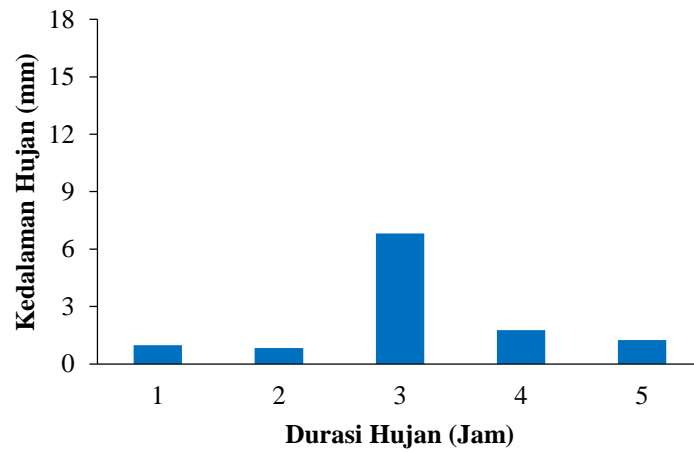
Tanggal 9 Januari 2012



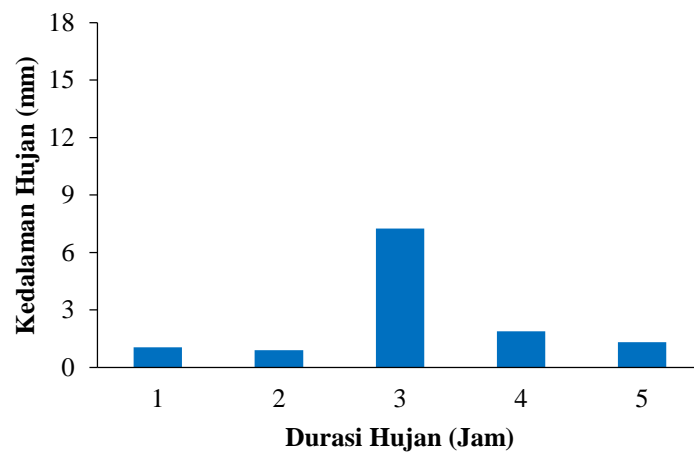
Tanggal 10 Januari 2012



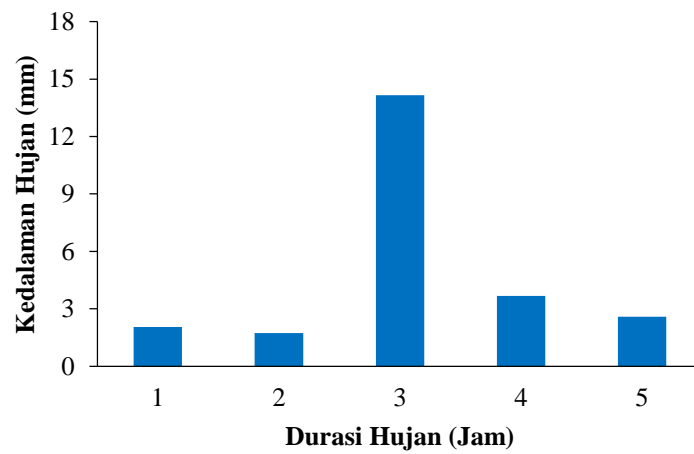
Tanggal 11 Januari 2012



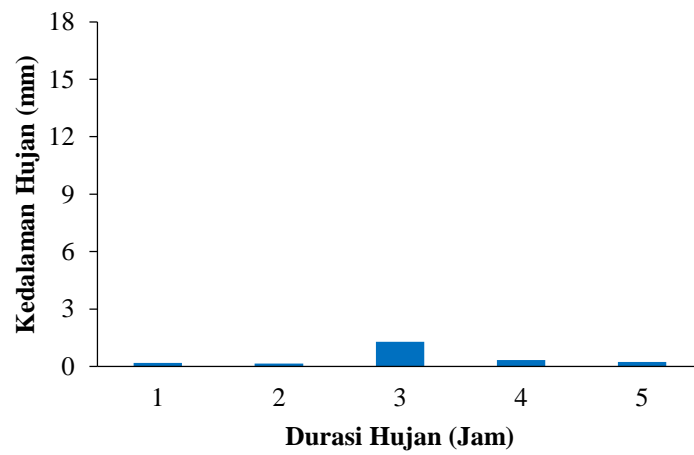
Tanggal 12 Januari 2012



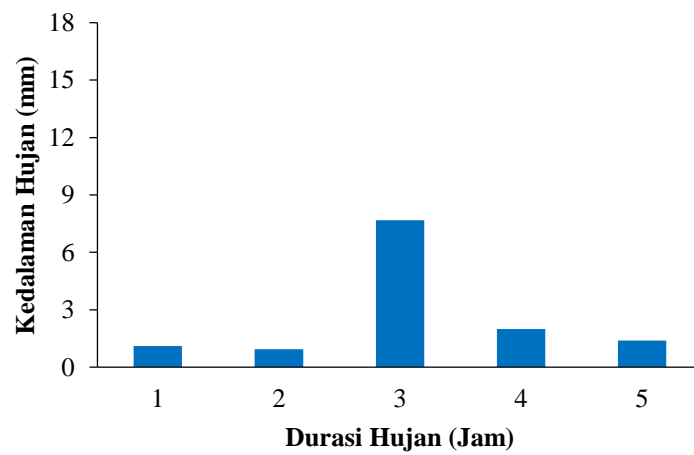
Tanggal 13 Januari 2012



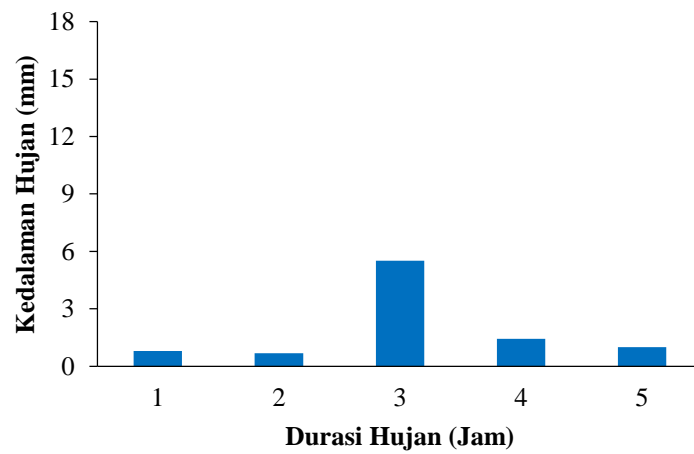
Tanggal 20 Januari 2012



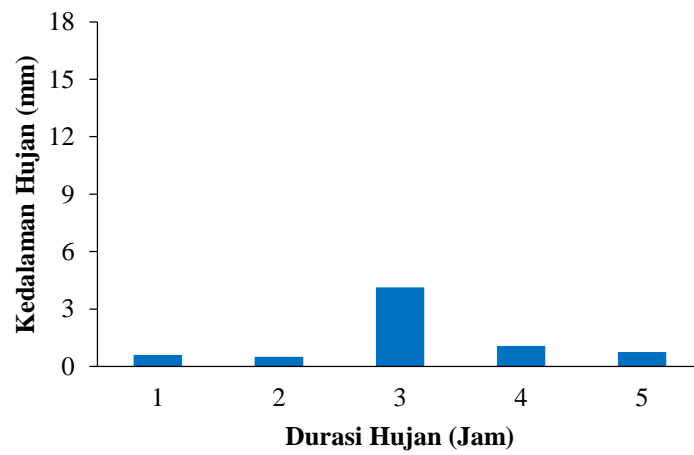
Tanggal 21 Januari 2012



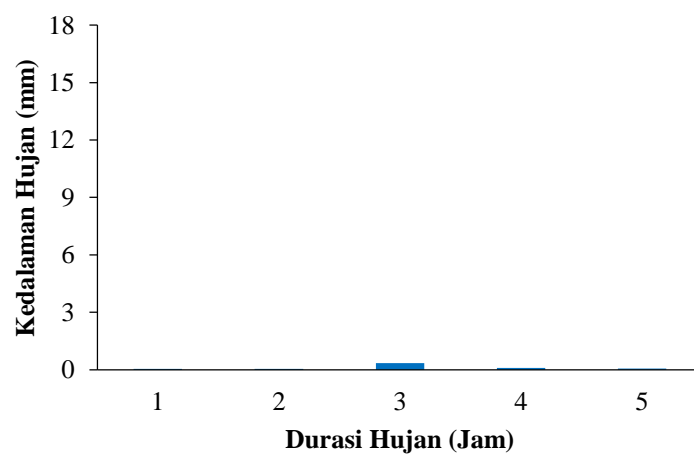
Tanggal 22 Januari 2012



Tanggal 23 Januari 2012



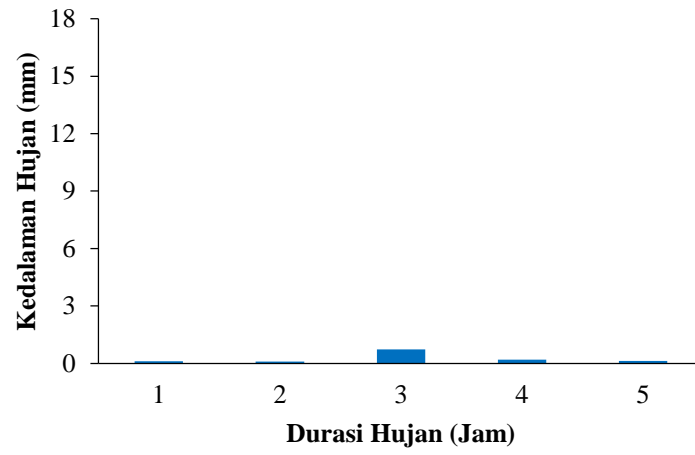
Tanggal 24 Januari 2012



Tanggal 25 Januari 2012

Tidak terdapat hyetograf karena tidak terjadi hujan pada tanggal 25 Januari 2012

Tanggal 26 Januari 2012



Lampiran 16. Data debit aliran, *baseflow*, dan limpasan langsung AWLR 1-7 Januari 2012

Tanggal	<i>t</i> (Jam)	<i>Q</i> (m ³ /d)	<i>Baseflow</i>	Limpasan Langsung
01-Jan	0	133.0743	133.074	0
	1	133.0743	133.074	0
	2	140.8387	133.074	7.764309983
	3	143.4856	133.074	10.41121944
	4	182.1584	133.074	49.08400857
	5	183.6977	133.074	50.62331081
	6	180.6268	133.074	47.55246124
	7	177.5869	133.074	44.5125794
	8	174.5779	133.074	41.5035612
	9	170.122	133.074	37.0476746
	10	165.735	133.074	32.66064195
	11	167.1897	133.074	34.11535766
	12	164.2879	133.074	31.21353713
	13	161.4165	133.074	28.34210726
	14	158.5753	133.074	25.50096193
	15	157.1661	133.074	24.09171269
	16	154.3701	133.074	21.29579433
	17	151.6042	133.074	18.5298935
	18	148.8682	133.074	15.79390273
	19	146.1621	133.074	13.08771413
	20	143.4856	133.074	10.41121944
	21	140.8387	133.074	7.764309983
	22	138.2212	133.074	5.146876659
	23	134.3501	133.074	1.275754782
24	133.0743	133.074	0	
02-Jan	1	144.8201	126.134	18.68623626
	2	155.7643	119.193	36.57094348
	3	170.122	112.253	57.86909789
	4	226.4835	105.312	121.1710524
	5	249.9153	98.372	151.543285
	6	223.0008	91.4315	131.5692548
	7	106.8265	84.491	22.33548414
	8	114.8046	77.5506	37.2540697
	9	124.3473	70.6101	53.73723467
	10	78.28184	63.6696	14.61223348
	11	78.28184	56.7291	21.55270791
	12	49.78865	49.7887	-5.68434E-14
	13	57.14932	52.0405	5.108858028
	14	80.14628	54.2923	25.85401171
	15	87.86886	56.5441	31.32478096
	16	93.94221	58.7959	35.14632425

Tanggal	<i>t</i> (Jam)	<i>Q</i> (m ³ /d)	<i>Baseflow</i>	Limpasan Langsung
	17	102.4214	61.0477	41.37367439
	18	118.3297	63.2995	55.03016098
	19	135.6332	65.5513	70.08184015
	20	152.9834	67.8031	85.18031961
	21	171.5996	70.0549	101.5447144
	22	189.9327	72.3067	117.625931
	23	202.7789	74.5586	128.2203104
	24	217.8371	76.8104	141.0267861
03-Jan	1	229.9986	79.0622	150.9364669
	2	240.7394	81.314	159.4253917
	3	248.0636	83.5658	164.497828
	4	238.9288	85.8176	153.111233
	5	228.237	88.0694	140.167608
	6	224.7381	90.3212	134.4168702
	7	219.5503	92.573	126.9772738
	8	214.4349	94.8248	119.6101054
	9	209.3917	97.0766	112.315027
	10	206.0694	99.3285	106.7409207
	11	201.1455	101.58	99.56523671
	12	194.691	103.832	90.85892719
	13	191.5109	106.084	85.42706682
	14	186.7996	108.336	78.4638911
	15	183.6977	110.587	73.11016105
	16	180.6268	112.839	67.78750247
	17	179.103	115.091	64.01188809
	18	176.0786	117.343	58.73564211
	19	176.0786	119.595	56.48383311
	20	174.5779	121.847	52.73136645
	21	171.5996	124.098	47.50129842
	22	170.122	126.35	43.77186185
	23	170.122	128.602	41.52005285
	24	168.652	130.854	37.79826674
04-Jan	1	167.1897	133.106	34.08411792
	2	167.1897	135.357	31.83230892
	3	165.735	137.609	28.12578421
	4	162.8484	139.861	22.98736325
	5	157.1661	142.113	15.05323696
	6	152.9834	144.365	8.618813699
	7	150.2325	146.616	3.61607236
	8	148.8682	148.868	0
	9	152.9834	150.582	2.401218472
	10	158.5753	152.296	6.279104739
	11	165.735	154.01	11.72480752

Tanggal	<i>t</i> (Jam)	<i>Q</i> (m ³ /d)	<i>Baseflow</i>	Limpasan Langsung
	12	185.2447	155.724	29.52056928
	13	217.8371	157.438	60.39901205
	14	209.3917	159.152	50.23955664
	15	211.0648	160.866	50.19868016
	16	197.9025	162.58	35.32241262
	17	188.3622	164.294	24.06817873
	18	180.6268	166.008	14.6187862
	19	177.5869	167.722	9.864927128
	20	176.0786	169.436	6.642589362
	21	174.5779	171.15	3.427954464
	22	180.6268	172.864	7.762877268
	23	174.5779	174.578	0
	24	0	0	0
05-Jan	1	0	0	0
	2	0	0	0
	3	0	0	0
	4	0	0	0
	5	0	0	0
	6	0	0	0
	7	0	0	0
	8	0	0	0
	9	0	0	0
	10	0	0	0
	11	0	0	0
	12	0	0	0
	13	0	0	0
	14	0	0	0
	15	67.64173	67.6417	0
	16	77.35946	67.1314	10.22802898
	17	81.08838	66.6211	14.46725493
	18	80.14628	66.1108	14.03545557
	19	79.21077	65.6005	13.61024545
	20	77.35946	65.0902	12.26923107
	21	75.53432	64.5799	10.95438922
	22	73.73522	64.0696	9.665596214
	23	71.96205	63.5593	8.402727774
	24	71.08515	63.049	8.036126519
06-Jan	1	69.35063	62.5387	6.811910548
	2	67.64173	62.0284	5.613305731
	3	65.95831	61.5181	4.440185606
	4	64.30025	61.0078	3.292423064
	5	62.66741	60.4975	2.169890344
	6	60.26519	59.9872	0.277965808

Tanggal	<i>t</i> (Jam)	<i>Q</i> (m ³ /d)	<i>Baseflow</i>	Limpasan Langsung
	7	59.47692	59.4769	0
	8	60.26519	59.4769	0.788266329
	9	62.66741	59.4769	3.190491386
	10	63.48068	59.4769	4.003762289
	11	61.86042	59.4769	2.383495843
	12	61.05968	59.4769	1.582759543
	13	59.47692	59.4769	0
	14	59.47692	59.4769	0
	15	59.47692	59.4769	0
	16	61.05968	59.1742	1.885517898
	17	65.12612	58.8714	6.254711141
	18	70.21468	58.5686	11.64603771
	19	72.8454	58.2659	14.57951706
	20	72.8454	57.9631	14.88227542
	21	70.21468	57.6604	12.55431278
	22	67.64173	57.3576	10.28411682
	23	66.79684	57.0549	9.741987198
	24	65.12612	56.7521	8.374019627
07-Jan	1	63.48068	56.4493	7.031345842
	2	62.66741	56.1466	6.520833294
	3	61.86042	55.8438	6.016596106
	4	61.86042	55.5411	6.319354461
	5	61.05968	55.2383	5.821376517
	6	61.05968	54.9355	6.124134872
	7	60.26519	54.6328	5.632400014
	8	59.47692	54.33	5.14689204
	9	59.47692	54.0273	5.449650395
	10	58.69487	53.7245	4.970353061
	11	58.69487	53.4218	5.273111416
	12	58.69487	53.119	5.575869771
	13	58.69487	52.8162	5.878628127
	14	57.919	52.5135	5.405525145
	15	57.919	52.2107	5.7082835
	16	56.3858	51.908	4.477836867
	17	55.62842	51.6052	4.023218776
	18	54.13204	51.3024	2.829594005
	19	52.66004	50.9997	1.660351961
	20	51.93314	50.6969	1.236212104
	21	51.21229	50.3942	0.818117994
	22	50.49747	50.0914	0.40605289
	23	49.78865	49.7887	0
	24	50.49747	50.4975	0

Lampiran 17. Data debit aliran, *baseflow*, dan limpasan langsung AWLR 8-13 Januari 2012

Tanggal	<i>t</i> (Jam)	<i>Q</i> (m ³ /d)	<i>Baseflow</i>	Limpasan Langsung
08-Jan	0	50.49747	50.4975	0
	1	52.66004	51.1476	1.512464833
	2	61.05968	51.7977	9.26199706
	3	119.5189	52.4478	67.07111035
	4	224.7381	53.0979	171.6401837
	5	226.4835	53.748	172.7354901
	6	214.4349	54.3981	160.0368183
	7	194.691	55.0482	139.6427668
	8	174.5779	55.6983	118.8795687
	9	158.5753	56.3484	102.2268601
	10	146.1621	56.9986	89.16350302
	11	135.6332	57.6487	77.98448955
	12	126.8046	58.2988	68.50581831
	13	119.5189	58.9489	60.57001732
	14	112.49	59.599	52.89099894
	15	107.9452	60.2491	47.69609306
	16	103.5122	60.8992	42.61303049
	17	98.12692	61.5493	36.57759684
	18	94.97815	62.1994	32.77872077
	19	91.89072	62.8495	29.04117947
	20	87.86886	63.4997	24.36921064
	21	84.92298	64.1498	20.77322035
	22	81.08838	64.7999	16.28851368
	23	78.28184	65.45	12.83185712
24	75.53432	66.1001	9.434227269	
09-Jan	1	73.73522	66.7502	6.985024442
	2	71.96205	67.4003	4.561746178
	3	71.08515	68.0504	3.034735099
	4	70.21468	68.7005	1.514158276
	5	69.35063	69.3506	0
	6	71.08515	69.6344	1.450796969
	7	76.44362	69.9181	6.525549041
	8	82.99241	70.2018	12.79061864
	9	89.86631	70.4855	19.38079739
	10	100.2604	70.7692	29.49113702
	11	110.2036	71.053	39.15060594
	12	107.9452	71.3367	36.60852615
	13	112.49	71.6204	40.86960321
	14	123.1295	71.9041	51.22535039
	15	120.7153	72.1878	48.52744071
	16	117.1476	72.4715	44.67600342

Tanggal	t (Jam)	Q (m ³ /d)	Baseflow	Limpasan Langsung
	17	112.49	72.7553	39.73472511
	18	109.0709	73.039	36.03188681
	19	105.7148	73.3227	32.39209016
	20	101.3374	73.6064	27.73099204
	21	98.12692	73.8901	24.23677282
	22	94.97815	74.1739	20.80428654
	23	90.87514	74.4576	16.41755177
	24	88.86422	74.7413	14.12291744
10-Jan	1	86.88021	75.025	11.85518558
	2	83.95437	75.3087	8.645626464
	3	82.03709	75.5925	6.444623464
	4	79.21077	75.8762	3.334588987
	5	77.35946	76.1599	1.19955456
	6	76.44362	76.4436	0
	7	76.44362	76.4436	0
	8	77.35946	76.5049	0.854561262
	9	81.08838	76.5662	4.522212918
	10	82.03709	76.6274	5.409643572
	11	93.94221	76.6887	17.25349602
	12	150.2325	76.75	73.48252125
	13	158.5753	76.8113	81.76404332
	14	148.8682	76.8725	71.99571034
	15	133.0743	76.9338	56.14053384
	16	126.8046	76.9951	49.8095081
	17	134.3501	77.0564	57.29374108
	18	158.5753	77.1176	81.45767445
	19	180.6268	77.1789	103.4479
	20	176.0786	77.2402	98.83838385
	21	167.1897	77.3015	89.88824886
	22	158.5753	77.3627	81.21257936
	23	151.6042	77.424	74.18023715
	24	143.4856	77.4853	66.00028933
11-Jan	1	136.9235	77.5466	59.37697545
	2	130.5447	77.6078	52.93685874
	3	121.9188	77.6691	44.2496869
	4	114.8046	77.7304	37.07424904
	5	110.2036	77.7916	32.41191197
	6	104.61	77.8529	26.75712821
	7	98.12692	77.9142	20.21272654
	8	92.91308	77.9755	14.93760772
	9	87.86886	78.0367	9.832120705
	10	83.95437	78.098	5.856356477
	11	81.08838	78.1593	2.929094799

Tanggal	t (Jam)	Q (m ³ /d)	Baseflow	Limpasan Langsung
	12	79.21077	78.2206	0.990210499
	13	78.28184	78.2818	-1.56319E-13
	14	82.03709	78.1737	3.863381868
	15	97.07049	78.0656	19.00491574
	16	185.2447	77.9574	107.2872823
	17	217.8371	77.8493	139.9878325
	18	224.7381	77.7412	146.9969008
	19	214.4349	77.6331	136.8018842
	20	191.5109	77.5249	113.9860207
	21	174.5779	77.4168	97.16111354
	22	168.652	77.3087	91.34338001
	23	168.652	77.2005	91.4515102
	24	89.86631	77.0924	12.77390627
12-Jan	1	86.88021	76.9843	9.895937013
	2	84.92298	76.8761	8.046837075
	3	82.03709	76.768	5.269074326
	4	80.14628	76.6599	3.486400202
	5	78.28184	76.5518	1.730083025
	6	76.44362	76.4436	0
	7	76.44362	76.4436	0
	8	78.28184	76.5049	1.776939441
	9	81.08838	76.5662	4.522212918
	10	81.08838	76.6274	4.460939145
	11	105.7148	76.6887	29.02608031
	12	158.5753	76.75	81.82531709
	13	157.1661	76.8113	80.35479408
	14	143.4856	76.8725	66.61302706
	15	129.2907	76.9338	52.35693374
	16	128.0441	76.9951	51.04896848
	17	138.2212	77.0564	61.16486296
	18	173.0849	77.1176	95.96730586
	19	180.6268	77.1789	103.4479
	20	173.0849	77.2402	95.84475831
	21	167.1897	77.3015	89.88824886
	22	159.9921	77.3627	82.62937311
	23	151.6042	77.424	74.18023715
	24	142.1584	77.4853	64.67314325
13-Jan	1	134.3501	77.5466	56.80355089
	2	128.0441	77.6078	50.43623074
	3	120.7153	77.6691	43.04617238
	4	114.8046	77.7304	37.07424904
	5	109.0709	77.7916	31.27922951
	6	104.61	77.8529	26.75712821

Tanggal	t (Jam)	Q (m ³ /d)	Baseflow	Limpasan Langsung
	7	99.19021	77.9142	21.2760143
	8	92.91308	77.9755	14.93760772
	9	88.86422	78.0367	10.82748218
	10	84.92298	78.098	6.824965938
	11	82.03709	78.1593	3.877799226
	12	80.14628	78.2206	1.925721139
	13	78.28184	78.2818	-1.56319E-13
	14	83.95437	87.1726	-3.218251692
	15	113.6438	96.0634	17.58036691
	16	209.3917	104.954	104.437473
	17	217.8371	113.845	103.9921644
	18	226.4835	122.736	103.7477313
	19	214.4349	131.627	82.80838194
	20	188.3622	140.517	47.84487942
	21	173.0849	149.408	23.67680937
	22	168.652	158.299	10.35312667
	23	167.1897	167.19	0

Lampiran 18. Data debit aliran, *baseflow*, dan limpasan langsung AWLR 20-26 Januari 2012

Tanggal	<i>t</i> (Jam)	<i>Q</i> (m ³ /d)	<i>Baseflow</i>	Limpasan Langsung
20-Jan	0	0	0	0
	1	0	0	0
	2	0	0	0
	3	0	0	0
	4	0	0	0
	5	0	0	0
	6	0	0	0
	7	71.96205	71.9621	0
	8	68.49299	68.493	0
	9	66.79684	66.7968	0
	10	65.12612	65.1261	0
	11	63.48068	63.4807	0
	12	61.86042	61.8604	0
	13	61.86042	61.8604	0
	14	63.48068	61.6414	1.839251161
	15	65.95831	61.4224	4.535861276
	16	72.8454	61.2035	11.64194194
	17	82.03709	60.9845	21.05260967
	18	82.99241	60.7655	22.22691861
	19	79.21077	60.5465	18.66426414
	20	76.44362	60.3275	16.11609892
	21	73.73522	60.1085	13.62668277
	22	71.08515	59.8896	11.19559675
	23	71.96205	59.6706	12.29148324
24	71.96205	59.4516	12.51046796	
21-Jan	1	71.08515	59.2326	11.85255089
	2	69.35063	59.0136	10.33701912
	3	69.35063	58.7946	10.55600383
	4	68.49299	58.5756	9.917342371
	5	68.49299	58.3567	10.13632709
	6	67.64173	58.1377	9.504052636
	7	66.79684	57.9187	8.87814937
	8	65.95831	57.6997	8.258601419
	9	64.30025	57.4807	6.81952307
	10	61.86042	57.2617	4.598679
	11	60.26519	57.0428	3.222434201
	12	58.69487	56.8238	1.871096896
	13	57.919	56.6048	1.314220274
	14	56.3858	56.3858	0
	15	57.14932	56.5003	0.649035671
	16	67.64173	56.6148	11.02695835

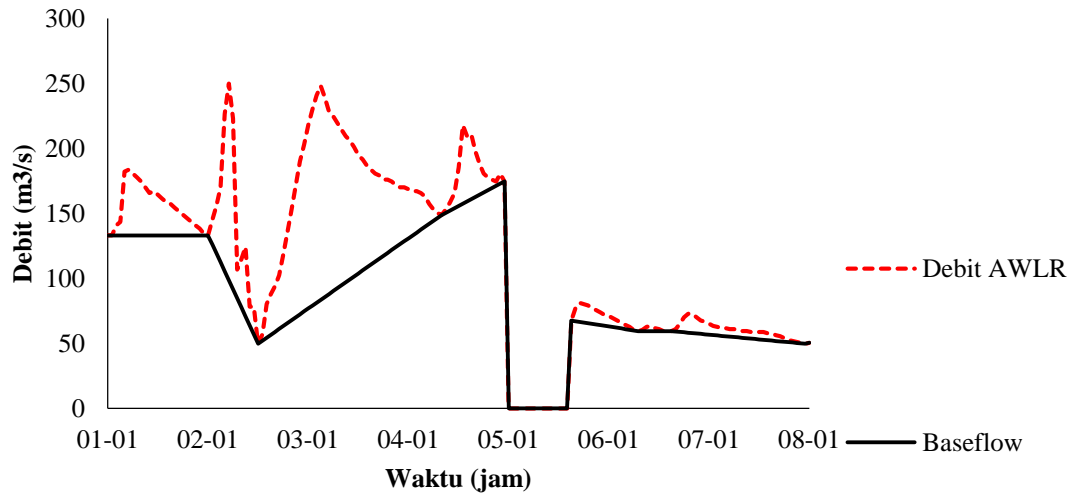
Tanggal	<i>t</i> (Jam)	<i>Q</i> (m ³ /d)	<i>Baseflow</i>	Limpasan Langsung
	17	148.8682	56.7293	92.13899253
	18	164.2879	56.8437	107.4441409
	19	152.9834	56.9582	96.02521624
	20	135.6332	57.0727	78.56044178
	21	119.5189	57.1872	62.33170215
	22	110.2036	57.3017	52.90187076
	23	103.5122	57.4162	46.09607123
	24	100.2604	57.5307	42.72971032
22-Jan	1	97.07049	57.6451	39.42534635
	2	93.94221	57.7596	36.18258288
	3	91.89072	57.8741	34.01660412
	4	89.86631	57.9886	31.87770717
	5	87.86886	58.1031	29.76577259
	6	84.92298	58.2176	26.7054056
	7	82.99241	58.3321	24.66035089
	8	82.03709	58.4465	23.59054066
	9	80.14628	58.561	21.58525035
	10	76.44362	58.6755	17.76810377
	11	72.8454	58.79	14.05539965
	12	69.35063	58.9045	10.44614368
	13	66.79684	59.019	7.777864358
	14	64.30025	59.1335	5.166782628
	15	62.66741	59.2479	3.419463387
	16	61.05968	59.3624	1.697245544
	17	59.47692	59.4769	0
	18	59.47692	59.4769	0
	19	59.47692	59.4769	0
	20	62.66741	59.2042	3.463166666
	21	68.49299	58.9316	9.561418059
	22	71.96205	58.6589	13.30315778
	23	72.8454	58.3862	14.45918476
	24	72.8454	58.1135	14.73186004
23-Jan	1	71.96205	57.8409	14.12118362
	2	71.08515	57.5682	13.51695712
	3	69.35063	57.2955	12.05511591
	4	68.49299	57.0228	11.47014501
	5	68.49299	56.7502	11.74282029
	6	67.64173	56.4775	11.16423641
	7	67.64173	56.2048	11.43691169
	8	66.79684	55.9321	10.86469899
	9	66.79684	55.6595	11.13737427
	10	65.12612	55.3868	9.739323622
	11	63.48068	55.1141	8.366566761

Tanggal	<i>t</i> (Jam)	<i>Q</i> (m ³ /d)	<i>Baseflow</i>	Limpasan Langsung
	12	60.26519	54.8414	5.423746081
	13	58.69487	54.5688	4.126099341
	14	57.14932	54.2961	2.853229967
	15	55.62842	54.0234	1.605007128
	16	54.13204	53.7507	0.381299282
	17	54.13204	53.4781	0.653974562
	18	53.393	53.2054	0.187610096
	19	53.393	52.9327	0.460285375
	20	52.66004	52.66	0
	21	53.393	52.4692	0.923803518
	22	54.13204	52.2784	1.853686127
	23	54.13204	52.0875	2.04452899
	24	54.87718	51.8967	2.980507292
24-Jan	1	57.14932	51.7058	5.443495961
	2	62.66741	51.515	11.15243055
	3	66.79684	51.3241	15.47270239
	4	65.95831	51.1333	14.82501258
	5	65.95831	50.9425	15.01585545
	6	65.12612	50.7516	14.37450505
	7	64.30025	50.5608	13.73947811
	8	62.66741	50.3699	12.29748773
	9	61.86042	50.1791	11.68133505
	10	61.05968	49.9882	11.07144162
	11	59.47692	49.7974	9.679524938
	12	57.14932	49.6066	7.542767459
	13	55.62842	49.4157	6.212712204
	14	54.13204	49.2249	4.907171941
	15	52.66004	49.034	3.626014405
	16	51.93314	48.8432	3.089959056
	17	50.49747	48.6523	1.845125995
	18	49.78865	48.4615	1.327157613
	19	49.78865	48.2707	1.518000476
	20	49.08584	48.0798	1.006027472
	21	48.389	47.889	0.500032958
	22	47.69812	47.6981	-1.06581E-13
	23	47.69812	47.6981	0
	24	47.69812	47.6981	0
25-Jan	1	47.69812	47.6981	0
	2	47.69812	47.6981	0
	3	47.69812	47.6981	0
	4	47.69812	47.6981	0
	5	48.389	47.4062	0.982790833
	6	48.389	47.1143	1.274705845

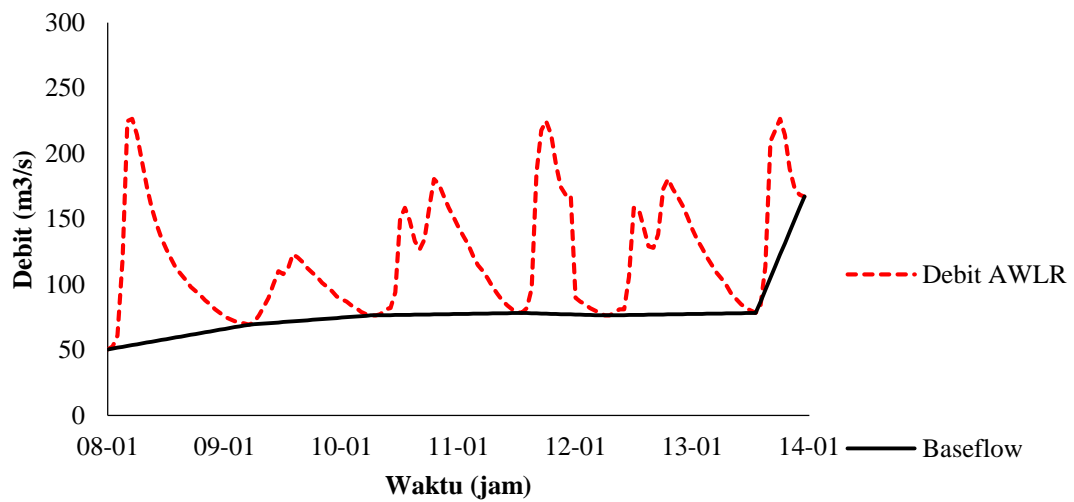
Tanggal	t (Jam)	Q (m ³ /d)	Baseflow	Limpasan Langsung
	7	48.389	46.8224	1.566620857
	8	49.08584	46.5305	2.555373246
	9	49.08584	46.2385	2.847288258
	10	48.389	45.9466	2.442365892
	11	47.69812	45.6547	2.043405083
	12	47.01319	45.3628	1.650388844
	13	46.33419	45.0709	1.263300143
	14	45.6611	44.779	0.882121895
	15	44.9939	44.4871	0.506836966
	16	44.33257	44.1951	0.13742817
	17	44.33257	43.9032	0.429343181
	18	43.67711	43.6113	0.065793281
	19	43.67711	43.3194	0.357708293
	20	43.02748	43.0275	0
	21	43.02748	43.0275	0
	22	43.02748	43.0275	0
	23	43.67711	42.9474	0.729735255
	24	43.67711	42.8673	0.809847206
26-Jan	1	43.67711	42.7871	0.889959156
	2	44.33257	42.707	1.625536018
	3	44.9939	42.6269	2.366971777
	4	44.9939	42.5468	2.447083727
	5	44.9939	42.4667	2.527195677
	6	45.6611	42.3866	3.274507569
	7	45.6611	42.3065	3.354619519
	8	45.6611	42.2264	3.43473147
	9	45.6611	42.1463	3.51484342
	10	44.9939	42.0661	2.927755429
	11	44.33257	41.986	2.346543571
	12	43.67711	41.9059	1.77119061
	13	43.02748	41.8258	1.201679255
	14	41.74569	41.7457	0
	15	49.08584	49.0858	0
	16	0	0	0
	17	0	0	0
	18	0	0	0
	19	0	0	0
	20	0	0	0
	21	0	0	0
	22	0	0	0
	23	0	0	0
	24	0	0	0

Lampiran 19. Grafik debit aliran dan *baseflow* AWLR Januari 2012

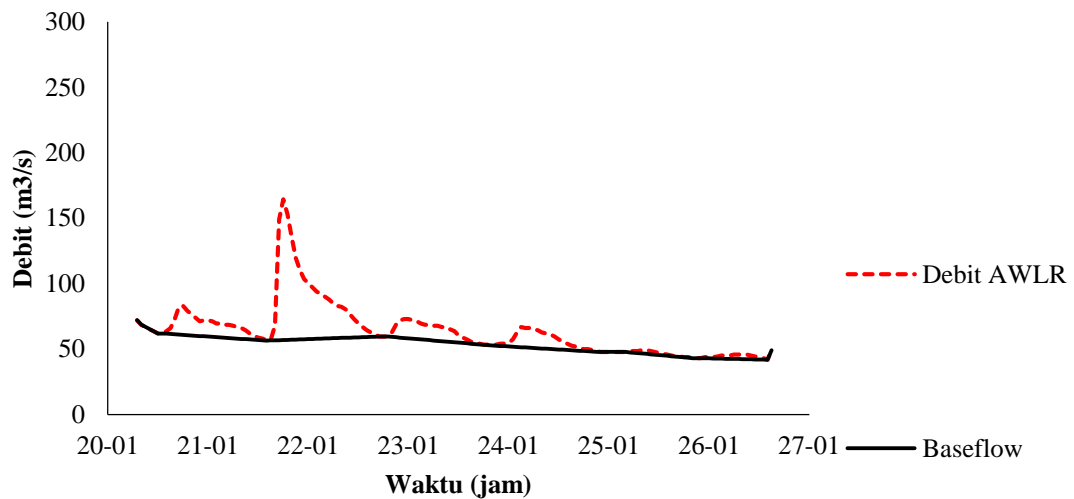
Tanggal 1-7 Januari 2012



Tanggal 8-13 Januari 2012



Tanggal 20-26 Januari 2012



Lampiran 20. Data Debit Banjir Metode *Nakayasu* Asli Tanggal 1-7 Januari 2012

Tanggal	t (Jam)	Q_{tot} (m ³ /s)	Tanggal	t (Jam)	Q_{tot} (m ³ /s)	
01-Jan	0	0		14	368.688291	
	1	16.0706809		15	336.152749	
	2	120.195714		16	306.488362	
	3	253.476352		17	279.441761	
	4	430.859546		17.1136	257.272382	
	4.0816	630.894662		18	249.340329	
	5	681.949938		19	237.842724	
	6	639.740623		20	223.933941	
	7	584.14735		21	186.038083	
	8	532.598247		22	42.2300674	
	9	485.598184		23	18.2541643	
	10	442.745724		24	46.1018086	
	11	403.674854		03-Jan	1	90.6900226
	12	368.051861		2	154.155059	
	13	335.572482		2.0816	225.724612	
	14	305.959302		3	243.991421	
	15	278.959389		4	228.889564	
	16	254.34213		5	208.999127	
	17	231.897265		6	190.555634	
	17.1136	213.499806		7	173.739719	
	18	206.91732		8	158.407754	
	19	197.375929		9	144.428785	
	20	185.8336		10	131.683415	
	21	174.733344		11	120.062782	
22	164.296131		12	109.467632		
23	137.577166		13	99.8074697		
24	42.6556509		14	90.9997852		
02-Jan	1	61.4802432	15	82.9693502		
	2	155.271442	15.1136	76.3870163		
	3	305.445078	16	74.0319018		
	4	519.196079	17	70.6181358		
	4.0816	760.243187	18	66.4884644		
	5	821.766017	19	62.5169598		
	6	770.902781	20	58.7826821		
	7	703.911555	21	55.2714611		
	8	641.79365	22	51.9699732		
	9	585.157448	23	48.8656906		
	10	533.519207	24	45.9468337		
	11	486.437873	04-Jan	1	43.2023267	
	12	443.511313	2	40.6217552		
13	404.372882	3	38.1953269			

Tanggal	t (Jam)	Q_{tot} (m ³ /s)
	4	35.9138347
	5	33.7686211
	6	31.7515459
	7	27.1138003
	8	13.903713
	9	35.2003992
	10	88.9003758
	11	174.882013
	12	297.264752
12.0816		435.275826
	13	470.500609
	14	441.378957
	15	403.023255
	16	367.457764
	17	335.030812
	18	305.465432
	19	278.509102
	20	253.931579
	21	231.522944
	22	211.091797
	23	192.463633
	24	175.479343
05-Jan	1	159.993862
	2.1136	147.300825
	3	142.759343
	4	136.17641
	5	128.212963
	6	120.554516
	7	113.353525
	8	94.2647211
	9	22.3857107
	10	13.3978146
	11	33.8368535
	12	66.56279
	13	113.143547
13.0816		165.67269
	14	179.079785
	15	167.995635
	16	153.396864
	17	139.86009
	18	127.517892
	19	116.264853
	20	106.004858

Tanggal	t (Jam)	Q_{tot} (m ³ /s)
	21	96.6502737
	22	88.1212015
	23	80.3447921
	24	73.2546256
06-Jan	1	66.7901432
	2	60.8961303
	2.1136	56.0649649
	3	54.3364065
	4	51.8308411
	5	48.7998301
	6	45.8849072
	7	43.1440992
	8	40.5670057
	9	38.1438478
	10	35.8654305
	11	33.7231082
	12	31.7087516
	13	29.814717
	14	28.0338174
	15	23.3922786
	16	6.39054882
	17	6.83288439
	18	17.2567927
	19	33.9470177
	20	57.7032002
	20.0816	84.4930588
	21	91.3306763
	22	85.677761
	23	78.2323886
	24	71.3286348
07-Jan	1	65.0341148
	2	59.2950658
	20	54.0624691
	21	49.2916321
	22	44.9418059
	23	40.9758377
	24	37.3598534
	1	34.0629678
	2	31.0570217
	2.1136	28.5931277
	3	27.7115631
	4	26.4337249
	5	24.8879096

Tanggal	t (Jam)	Q_{tot} (m ³ /s)
	6	23.4012991
	7	22.0034872
	8	20.6891698
	9	19.4533594
	10	18.2913668
	11	17.1987826
	12	16.1714609
	13	15.2055034
	14	14.2972447
	15	13.4432383

Tanggal	t (Jam)	Q_{tot} (m ³ /s)
	16	11.7993531
	17	9.32730203
	18	29.0782104
	19	73.4384807
	20	144.465861
	21	245.563323
	21.0816	359.570981
	22	388.669334
	23	364.612632
	24	332.927901

Lampiran 21. Data Debit Banjir Metode *Nakayasu* Asli Tanggal 8-13 Januari 2012

Tanggal	t (Jam)	Q_{tot} (m ³ /s)	Tanggal	t (Jam)	Q_{tot} (m ³ /s)	
08-Jan	0	0		14	331.161035	
	1	10.1063945		15	301.937151	
	2	75.5876691		16	275.29218	
	3	159.404075		17	250.998541	
	4	270.955325		18	228.848736	
	4.0816	396.751725		19	208.65358	
	5	428.858937		20	190.24058	
	6	402.314698		21	173.452468	
	7	367.353669		22	158.145852	
	8	334.935902	22.1136	22.1136	145.599426	
	9	305.378899		23	141.1104	
	10	278.430204		24	134.603504	
	11	253.859644		10-Jan	1	126.732038
	12	231.457357			2	119.16205
	13	211.031998			3	112.044234
	14	192.409111			4	105.351582
	15	175.429633			5	99.0586966
	16	159.948538			6	93.1416993
	17	145.8336			7	87.5781374
	17.1136	134.263961			8	73.9692539
	18	130.124422			9	29.5576258
	19	124.124113			10	60.8692648
	20	116.86547			11	153.728385
	21	109.884835			12	302.409626
22	103.321168			13	514.036411	
23	97.1495636		13.0816	13.0816	752.688042	
24	91.346603			14	813.59947	
09-Jan	1	85.8902663		15	763.241703	
	2	80.7598488		16	696.916222	
	3	75.9358825		17	635.415633	
	4	63.7305178		18	579.34227	
	5	21.2631815		19	528.2172	
	6	34.7938167		20	481.60375	
	7	87.8735313		21	439.103786	
	8	172.862037		22	400.354305	
	9	293.831193		23	365.02434	
	9.0816	430.248169		24	332.81213	
	10	465.066088		11-Jan	1	303.442542
	11	436.280806			2	276.664725
	12	398.368132		2.1136	2.1136	254.715661
13	363.21344			3	246.862434	

Tanggal	t (Jam)	Q_{tot} (m ³ /s)
	4	235.47909
	5	221.70853
	6	208.465384
	7	196.013281
	8	184.30497
	9	173.296022
	10	162.944664
	11	153.211615
	12	127.546281
	13	31.7165077
	14	24.1212621
	15	60.9194588
	16	119.838836
	17	203.702264
	17.0816	298.275092
	18	322.413063
	19	302.457295
	20	276.173845
	21	251.802401
	22	229.581659
	23	209.321824
	24	190.849854
12-Jan	1	174.007975
	2	158.652338
	3	144.651785
	4	131.886735
	5	120.24816
	6	109.636651
	6.1136	100.93868
	7	97.8266044
	8	82.8294679
	9	22.9927193
	10	25.6187318
	11	64.7013937
	12	127.278539
	13	216.348284

Tanggal	t (Jam)	Q_{tot} (m ³ /s)
	13.0816	316.792278
	14	342.428756
	15	321.234116
	16	293.318966
	17	267.434521
	18	243.834295
	19	222.316711
	20	202.697985
	21	184.810547
	22	168.501617
	23	153.631898
	24	140.074383
13-Jan	1	127.713274
	2	116.442993
	2.1136	107.205044
	3	103.899768
	4	99.1087321
	5	93.3129618
	6	87.73917
	7	82.4983134
	8	77.5705047
	9	72.9370452
	10	68.5803525
	11	64.4838948
	12	54.5816627
	13	23.0333772
	14	50.0505302
	15	126.405128
	16	248.660176
	17	422.673003
	18.0816	618.907354
	19	668.992554
	20	627.585237
	21	573.048263
	22	522.478618
	23	476.37158
	24	434.333337

Lampiran 22. Data Debit Banjir Metode *Nakayasu* Asli Tanggal 20-26 Januari 2012

Tanggal	t (Jam)	Q_{tot} (m ³ /s)	Tanggal	t (Jam)	Q_{tot} (m ³ /s)	
20-Jan	0	0		15	68.4997545	
	1	0		16	134.750555	
	2	0		17	229.049229	
	3	0	17.0816	17.0816	335.38989	
	4	0		18	362.531383	
	5	0		19	340.092491	
	6	0		20	310.538553	
	7	0		21	283.134535	
	8	0		22	258.148834	
	9	0		23	235.368039	
	10	0		24	214.597575	
	11	0		22-Jan	1	195.660037
	12	0.10331475			2	178.393676
	13	1.11193919			3	162.651014
	14	4.58098602			4	148.297591
	15	11.5695102			5	135.210811
	16	22.7591753			6	123.278897
17	38.686086		6.1136		113.498624	
17.0816	56.6468711		7		109.999309	
18	61.2310303		8		104.927011	
19	57.4411336		9		98.7909937	
20	52.4495159		10		92.8899869	
21	47.8210167		11		87.3414604	
22	43.6009676		12		82.1243598	
23	39.753324		13		77.2188883	
24	36.2452225		14	72.6064315		
21-Jan	1	33.0466995	15	68.2694871		
	2	30.1304358	16	64.1915981		
	3	27.4715229	17	53.6495366		
	4	25.0472503	18	15.5596318		
	5	22.836912	19	19.4633326		
	6	20.8216288	20	49.155624		
	6.1136	19.1697548	21	96.6973917		
	7	18.5787254	22	164.366396		
	8	17.7220215	22.0816	22.0816	240.676765	
	9	16.6856571	23	260.15358		
	10	15.6889855	24	244.051365		
	11	14.7518473	23-Jan	1	222.843373	
	12	12.8400009		2	203.17817	
	13	9.07353233		3	185.248357	
14	27.1227054	4		168.900792		

Tanggal	t (Jam)	Q_{tot} (m ³ /s)
	5	153.995847
	6	140.406214
	7	128.015823
	8	116.718843
	9	106.418785
	10	97.0276732
	11	88.4652967
	11.1136	81.4469445
	12	78.9358256
	13	75.2959294
	14	70.8927057
	15	66.658126
	16	62.6764872
	17	58.9326805
	18	55.4124998
	19	52.1025874
	20	48.9903834
	21	40.9390179
	22	11.8128544
	23	14.5983779
	24	36.8689364
24-Jan	1	72.5274079
	2	123.282215
	2.0816	180.518436
	3	195.126926
	4	183.049538
	5	167.142587
	6	152.392797
	7	138.944629
	8	126.683217
	9	115.503835
	10	105.310998
	11	96.0176447
	12	87.5443999
	13	79.8188914
	14	72.7751339
	15	66.3529651
	15.1136	61.0888842
	16	59.2054317
	17	56.4753453
	18	53.1727288
	19	49.9966029
	20	47.0101941

Tanggal	t (Jam)	Q_{tot} (m ³ /s)
	21	44.2021701
	22	41.5618757
	23	39.079292
	24	36.7449986
	1	34.5501377
	2	28.667239
25-Jan	3	6.12752911
	4	1.21777453
	5	3.07555074
	6	6.05012632
	7	10.2840153
	7.0816	15.058574
	8	16.2771921
	9	15.2697147
	10	13.942781
	11	12.7123759
	12	11.5905501
	13	10.5677218
	14	9.63515469
	15	8.78488364
	16	8.00964623
	17	7.30282101
	18	6.65837081
	19	6.07079125
	20	5.53506367
	20.1136	5.09594203
	21	4.93882728
	22	4.71108761
	23	4.43558836
	24	4.17064075
26-Jan	1	3.92151906
	2	3.68727796
	3	0.05886208
	4	0.6335112
	5	2.60995026
	6	6.59156044
	7	12.9667096
	8	22.0408357
	8.0816	32.2737321
	9	34.8854903
	10	32.7262517
	11	29.88235
	12	27.2453298

Tanggal	<i>t</i> (Jam)	<i>Qtot</i> (m ³ /s)
	13	24.8410181
	14	22.648879
	15	20.6501891
	16	18.8278771
	17	17.1663782
	18	15.6515012

Tanggal	<i>t</i> (Jam)	<i>Qtot</i> (m ³ /s)
	19	14.2703071
	20	13.010999
	21	11.8628206
	21.1136	10.9216894
	22	10.584959
	23	10.0968644
	24	9.50641079

Lampiran 23. Data Debit Banjir Metode *Nakayasu* Modifikasi Tanggal 1-7 Januari 2012

Tanggal	t (Jam)	Q_{tot} (m ³ /s)	Tanggal	t (Jam)	Q_{tot} (m ³ /s)	
01-Jan	0	0		15	91.999219	
	1	0.9674774		16	82.3449417	
	2	9.15522171		17	73.7037716	
	3	33.7228854		18	64.5863859	
	4	94.0498774		19	59.0466528	
	4.0816	192.590109		20	52.8503746	
	5	222.115637		21	41.0035151	
	6	206.695647		22	8.51780395	
	7	185.338724		23	0.61980396	
	8	165.889522		24	3.3460717	
	9	148.481293		03-Jan	1	12.0655407
	10	132.899861			2	33.6496302
	11	118.953524			2.0816	68.9058417
	12	106.470697			3	79.4696308
	13	95.2978022			4	73.9525907
	14	85.2973759			5	66.3114053
	15	76.3463813			6	59.3527735
	16	68.3346922			7	53.1243713
	17	61.1637393			8	47.5495695
	18	53.5975946			9	42.5597801
	19	49.0003972			10	38.0936126
	20	43.8583598			11	34.0961189
	21	39.2559211			12	30.518117
	22	35.1364563			13	27.3155858
23	27.9244339		14	24.4491241		
24	5.82281992		15	21.8834651		
02-Jan	1	2.08750715	16	19.1764124		
	2	11.2696094	17	17.5316044		
	3	40.636885	18	15.6918609		
	4	113.332356	19	14.0451776		
	4.0816	232.075697	20	12.5712951		
	5	267.654665	21	11.2520799		
	6	249.073208	22	10.0713014		
	7	223.337604	23	9.01443222		
	8	199.900849	24	8.06846954		
	9	178.923517	04-Jan	1	7.22177493	
	10	160.147518		2	6.46393135	
	11	143.341847		3	5.78561488	
	12	128.299742		4	5.17848005	
	13	114.836135		5	4.63505715	
14	102.785382	6		4.14866033		

Tanggal	t (Jam)	Q_{tot} (m ³ /s)
	7	3.29983276
	8	0.77808153
	9	1.19519834
	10	6.45239396
	11	23.2665731
	12	64.8882302
	12.0816	132.87451
	13	153.245182
	14	142.606403
	15	127.871531
	16	114.45286
	17	102.442327
	18	91.6921641
	19	82.0701087
	20	73.4577792
	21	65.7492163
	22	58.8495798
	23	52.6739821
	24	47.1464436
05-Jan	1	42.1989577
	2	36.9788154
	3	33.8070515
	4	30.2593839
	5	27.0840039
	6	24.2418441
	7	19.2632019
	8	3.92330312
	9	0.45491091
	10	2.45588061
	11	8.85561641
	12	24.6974607
	12.0816	50.5740868
	13	58.3274786
	14	54.2781955
	15	48.669876
	16	43.5625231
	17	38.9911291
	18	34.8994512
	19	31.2371486
	20	27.9591632
	21	25.0251653
	22	22.3990573
	23	20.0485296

Tanggal	t (Jam)	Q_{tot} (m ³ /s)
	24	17.9446632
06-Jan	1	16.0615738
	2	14.0747072
	3	12.867485
	4	11.517188
	5	10.3085894
	6	9.22681956
	7	8.25856923
	8	7.39192581
	9	6.61622682
	10	5.92192866
	11	5.30048924
	12	4.74426286
	13	3.77032441
	14	0.78146057
	15	0.23200453
	16	1.25249892
	17	4.51636368
	18	12.595703
	18.0816	25.7927803
	19	29.7470096
	20	27.6818755
	21	24.821633
	22	22.2168834
	23	19.8854728
	24	17.7987174
07-Jan	1	15.9309433
	2	14.259171
	3	12.7628324
	4	11.4235175
	5	10.2247485
	6	9.15177685
	7	8.1914014
	8	7.17809958
	9	6.56241634
	10	5.87376498
	11	5.25737979
	12	4.70567726
	13	4.21186966
	14	3.76988159
	15	3.37427516
	16	3.02018316
	17	2.7032491

Tanggal	t (Jam)	Q_{tot} (m ³ /s)
	18	2.41957369
	19	2.1656668
	20	1.93840457
	21	1.54302945

Tanggal	t (Jam)	Q_{tot} (m ³ /s)
	22	0.40448922
	23	0.98732485
	24	5.3301688

Lampiran 24. Data Debit Banjir Metode *Nakayasu* Modifikasi Tanggal 8-13 Januari 2012

Tanggal	t (Jam)	Q_{tot} (m ³ /s)	Tanggal	t (Jam)	Q_{tot} (m ³ /s)	
08-Jan	0	0		15	81.1221573	
	1	0.60841905		16	72.6093046	
	2	5.75745877		17	64.9897794	
	3	21.2073643		18	58.1698373	
	4	59.1452953		19	52.0655709	
	4.0816	121.114447		20	46.6018782	
	5	139.682212		21	41.7115383	
	6	129.985019		22	36.5516913	
	7	116.554257		23	33.4165629	
	8	104.323206		24	29.9098727	
	9	93.3756659		10-Jan	1	26.7711699
	10	83.5769461			2	23.9618385
	11	74.806491			3	21.4473146
	12	66.9563961			4	19.1966615
	13	59.9300797			5	17.1821891
	14	53.6410958			6	15.3791127
	15	48.0120696			7	12.2257352
	16	42.9737461			8	2.65870102
	17	38.4641375			9	2.06676192
	18	33.7060041			10	11.1576143
	19	30.8149573			11	40.2330438
	20	27.5812762			12	112.206082
	21	24.6869332		12.0816	229.769375	
	22	22.0963189		13	264.994766	
23	19.7775602		14	246.597968		
24	17.702129		15	221.11812		
09-Jan	1	15.8444908	16	197.914274		
	2	14.1817907	17	177.14541		
	3	11.2718414	18	158.556003		
	4	2.38255388	19	141.917345		
	5	1.1813932	20	127.024725		
	6	6.37786553	21	113.694917		
	7	22.9978324	22	101.763921		
	8	64.1387382	23	91.0849491		
	8.0816	131.339742	24	81.5266141		
	9	151.475122	11-Jan	1	72.9713182	
	10	140.959227		2	63.9445392	
	11	126.39455		3	58.459859	
	12	113.130872		4	52.3251581	
	13	101.259067		5	46.8342247	
14	90.633073	6		41.9195026		

Tanggal	t (Jam)	Q_{tot} (m ³ /s)
	7	37.520525
	8	33.5831704
	9	30.0589966
	10	26.9046449
	11	21.3800323
	12	4.38423857
	13	0.81901607
	14	4.42153753
	15	15.9435439
	16	44.4650074
	16.0816	91.0529698
	17	105.012082
	18	97.7218019
	19	87.6246518
	20	78.4294358
	21	70.1991538
	22	62.8325467
	23	56.2389817
	24	50.3373368
12-Jan	1	45.0550027
	2	40.3269899
	3	36.0951285
	4	32.3073531
	5	28.9170618
	6	25.3399314
	7	20.5680442
	8	4.22550615
	9	0.86986132
	10	4.69603056
	11	16.9333335
	12	47.2254351
	12.0816	96.7056201
	13	111.531326
	14	103.788459
	15	93.064469

Tanggal	t (Jam)	Q_{tot} (m ³ /s)
	16	83.2984058
	17	74.5571804
	18	66.7332477
	19	59.7303483
	20	53.4623239
	21	47.8520578
	22	42.8305257
	23	38.3359465
	24	34.3130226
13-Jan	1	30.7122591
	2	26.9130571
	3	24.6046581
	4	22.0226776
	5	19.7116467
	6	17.6431323
	7	15.7916852
	8	14.1345265
	9	12.6512678
	10	11.3236604
	11	9.00233314
	12	1.97456456
	13	1.69942138
	14	9.17449082
	15	33.082134
	16	92.2628835
	16.0816	188.930803
	17	217.89533
	18	202.768328
	19	181.817197
	20	162.737539
	21	145.660076
	22	130.374698
	23	116.693349
	24	104.447702

Lampiran 25. Data Debit Banjir Metode *Nakayasu* Modifikasi Tanggal 20-26 Januari 2012

Tanggal	t (Jam)	Q_{tot} (m ³ /s)	Tanggal	t (Jam)	Q_{tot} (m ³ /s)	
20-Jan	0	0		16	17.9274219	
	1	0		17	49.9978521	
	2	0		17.0816	102.382821	
	3	0		18	118.078886	
	4	0		19	109.881466	
	5	0		20	98.5279129	
	6	0		21	88.188523	
	7	0		22	78.9341352	
	8	0		23	70.6508906	
	9	0		24	63.2368789	
	10	0		22-Jan	1	56.6008838
	11	0			2	50.6612614
	12	0.00044533			3	45.3449351
	13	0.01484815			4	40.5864971
	14	0.15554332			5	36.3274034
	15	0.83971566			6	32.5152533
	16	3.02791584			7	28.4930154
17	8.44456547		8		26.0490995	
17.0816	17.2923116		9		23.3155411	
18	19.9433544		10		20.8688389	
19	18.5588219		11		18.6788903	
20	16.6412231		12		16.7187521	
21	14.894915		13		14.9643082	
22	13.3318622		14		13.3939733	
23	11.932834		15		11.9884273	
24	10.6806181		16	10.7303775		
21-Jan	1	9.55980805	17	8.52795352		
	2	8.55661434	18	1.7804694		
	3	7.65869446	19	0.6608602		
	4	6.85500112	20	3.56771778		
	5	6.1356463	21	12.8647704		
	6	5.49177963	22	35.8786047		
	7	4.81242941	22.0816	73.4702118		
	8	4.39965552	23	84.7337535		
	9	3.93796144	24	78.8512609		
	10	3.52471694	23-Jan	1	70.7039182	
	11	3.15483777		2	63.2843418	
	12	2.50938356		3	56.643366	
	13	0.59283957		4	50.6992855	
	14	0.92092741		5	45.378969	
	15	4.97171579		6	40.6169596	

Tanggal	t (Jam)	Q_{tot} (m ³ /s)
	7	36.3546692
	8	32.5396579
	9	29.1249889
	10	26.0686508
	11	23.3330408
	12	20.4466711
	13	18.6929099
	14	16.7313004
	15	14.9755397
	16	13.4040263
	17	11.9974253
	18	10.7384313
	19	9.61155438
	20	8.60293048
	21	6.83706998
	22	1.42420555
	23	0.49567498
	24	2.67594935
24-Jan	1	9.64915838
	2	26.9105728
	2.0816	55.1059747
	3	63.5541393
	4	59.1420044
	5	53.0311296
	6	47.4661125
	7	42.4850809
	8	38.0267523
	9	34.0362748
	10	30.4645528
	11	27.2676426
	12	24.406212
	13	21.8450561
	14	19.5526646
	15	17.5008337
	16	15.3359261
	17	14.020526
	18	12.5492304
	19	11.2323307
	20	10.0536246
	21	8.99861046
	22	8.05430809
	23	7.20909957
	24	6.45258612

Tanggal	t (Jam)	Q_{tot} (m ³ /s)
25-Jan	1	5.7754602
	2	4.58913947
	3	0.92830243
	4	0.04134845
	5	0.22322363
	6	0.80491815
	7	2.24483915
	7.0816	4.5968568
	8	5.30158987
	9	4.93353627
	10	4.42377637
	11	3.95955108
	12	3.54404099
	13	3.17213398
	14	2.8392544
	15	2.54130677
	16	2.27462537
	17	2.03592917
	18	1.82228144
	19	1.63105362
	20	1.45989299
	21	1.27929969
	22	1.16957101
	23	1.04683776
	24	0.93698398
26-Jan	1	0.83865811
	2	0.75065043
	3	0.00025372
	4	0.00845952
	5	0.08861855
	6	0.4784158
	7	1.72511108
	8	4.81116854
	8.0816	9.85204341
	9	11.3624365
	10	10.5736193
	11	9.48109518
	12	8.4861615
	13	7.59563485
	14	6.7985589
	15	6.08512705
	16	5.4465618
	17	4.87500676

Tanggal	t (Jam)	Q_{tot} (m ³ /s)
	18	4.36342995
	19	3.90553733
	20	3.49569537

Tanggal	t (Jam)	Q_{tot} (m ³ /s)
	21	3.12886169
	22	2.74181177
	23	2.50663984
	24	2.24359634

Lampiran 26. Data Debit Banjir Metode ITB-2 Asli Tanggal 1-7 Januari 2012

Tanggal	t (Jam)	Q_{tot} (m ³ /s)	Tanggal	t (Jam)	Q_{tot} (m ³ /s)	
01-Jan	0	0		15	54.2938436	
	1	3.6600509		16	50.1872575	
	2	8.86428773		17	46.4485827	
	3	38.5789366		18	43.0378944	
	3.1536	62.458975		19	37.0546466	
	4	89.2212918		20	32.090543	
	5	98.6354307		21	10.4084108	
	6	96.6262004		22	5.9171978	
	7	89.5862806		23	4.7249818	
	8	81.7278596		24	9.15617035	
	9	74.6132526		03-Jan	1	15.603968
	10	68.2794674			1.1536	23.2884828
	11	62.6151773			2	31.922035
	12	57.5296861			3	35.2902721
	13	52.9480994			4	34.5713998
	14	48.8078662			5	32.0526225
	15	45.0562356			6	29.2409977
	16	41.6483481			7	26.6954985
	17	38.5457751			8	24.4293655
	18	35.7153847			9	22.4027678
	19	33.1284474			10	20.5832556
	20	30.7599235			11	18.9440328
	21	26.5894496			12	17.4627197
	22	23.4158591			13	16.1204428
23	9.15697988		14	14.9011519		
24	9.58156147		15	13.791098		
02-Jan	1	15.9137951	16	12.7784269		
	2	30.838091	17	11.8528597		
	3	52.5543504	18	11.0054375		
	3.1536	78.4358878	19	10.2283161		
	4	107.513795	20	9.51459812		
	5	118.858058	21	8.85819616		
	6	116.436887	22	8.2537185		
	7	107.953615	23	7.69637453		
	8	98.4840293	24	7.18189513		
	9	89.9107574	04-Jan	1	6.7064655	
	10	82.2783944		2	6.26666816	
	11	75.4527892		3	5.85943437	
	12	69.3246503		4	5.48200246	
	13	63.8037286		5	4.79857284	
14	58.8146484	6		4.42596645		

Tanggal	t (Jam)	Q_{tot} (m ³ /s)
	7	2.4957418
	8	4.38872251
	9	9.11141386
	10	17.6562918
	11	30.0898958
	11.1536	44.9083221
	12	61.5568237
	13	68.0519604
	14	66.6657237
	15	61.808642
	16	56.3868483
	17	51.4782374
	18	47.1083421
	19	43.2003545
	20	39.6916999
	21	36.5307065
	22	33.6742178
	23	31.0858395
	24	28.7346212
05-Jan	1	26.5940499
	2	24.6412666
	3	22.85645
	4	21.2223243
	5	18.3077314
	6	15.9132924
	7	5.30273867
	8	3.41072062
	9	3.46794458
	10	6.72025685
	11	11.4526782
	11.1536	17.0927997
	12	23.429476
	13	25.9016252
	14	25.3740021
	15	23.525322
	16	21.4617037
	17	19.5934107
	18	17.9301612
	19	16.4427209
	20	15.1072729
	21	13.90415
	22	12.8169264
	23	11.8317497

Tanggal	t (Jam)	Q_{tot} (m ³ /s)
	24	10.9368398
06-Jan	1	10.1221054
	2	9.37884594
	3	8.69951722
	4	8.07754378
	5	7.50716821
	6	6.98332826
	7	6.5015559
	8	6.05789387
	9	5.64882605
	10	5.27121909
	11	4.92227306
	12	4.27031261
	13	3.75582992
	14	1.3708311
	15	1.20710866
	16	1.76865146
	17	3.42733047
	18	5.84086499
	18.1536	8.7173265
	19	11.949031
	20	13.2098268
	21	12.9407391
	22	11.9979124
	23	10.9454672
	24	9.99263795
07-Jan	1	9.14438082
	2	8.38578637
	3	7.70470799
	4	7.09111544
	5	6.53663148
	6	6.03419143
	7	5.57778744
	8	5.16227294
	9	4.7832107
	10	4.4367531
	11	4.1195467
	12	3.8286552
	13	3.56149687
	14	3.315793
	15	3.0895254
	16	2.88090085
	17	2.68832132

Tanggal	t (Jam)	Q_{tot} (m ³ /s)
	18	2.51035888
	19	2.34573428
	20	2.19329886

Tanggal	t (Jam)	Q_{tot} (m ³ /s)
	21	1.93817916
	22	1.89424461
	23	1.52246136
	24	3.40908644

Lampiran 27. Data Debit Banjir Metode ITB-2 Asli Tanggal 8-13 Januari 2012

Tanggal	t (Jam)	Q_{tot} (m ³ /s)	Tanggal	t (Jam)	Q_{tot} (m ³ /s)	
08-Jan	0	0		15	50.8836376	
	1	1.31757111		16	46.5642168	
	2	3.41434059		17	42.7013684	
	3	14.651713		18	39.2332406	
	4	26.620556		19	36.1087583	
	4.1536	40.9337095		20	33.2852635	
	5	56.108735		21	30.7267822	
	6	62.0290194		22	28.4027217	
	7	60.7654716		23	26.2868751	
	8	56.3382661		24	24.3566475	
	9	51.3963284		10-Jan	1	22.5924464
	10	46.9221543			2	20.9771956
	11	42.9390167			3	19.4959434
	12	39.3769057			4	18.1355431
	13	36.1787847			5	16.8843913
	14	33.2975551			6	14.6611896
	15	30.6938801			7	13.1340884
	16	28.3345862			8	5.99211853
	17	26.1914626			9	8.25856544
	18	24.2403426			10	15.755647
	19	22.4603905			11	30.5316282
	20	20.8335391			12	52.0320757
	21	19.3440418		12.1536	77.6564076	
	22	17.9781106		13	106.445344	
23	16.7236226		14	117.67687		
24	15.5698777		15	115.27976		
09-Jan	1	14.5073992	16	106.880793		
	2	13.5277666	17	97.5053146		
	3	11.743238	18	89.0172423		
	4	10.4321779	19	81.4607281		
	5	4.32019129	20	74.7029544		
	6	5.07978971	21	68.6357158		
	7	9.0061724	22	63.1696599		
	8	17.4523527	23	58.2301601		
	9	29.7423422	24	53.7542822		
	9.1536	44.3896081	11-Jan	1	49.6885066	
	10	60.8458111		2	45.986986	
	11	67.2659257		3	42.6101924	
	12	65.8957007		4	39.5238502	
	13	61.0947207		5	36.698086	
14	55.7355515	6		34.1067423		

Tanggal	t (Jam)	Q_{tot} (m ³ /s)
	7	31.7268204
	8	29.5380209
	9	27.5223652
	10	23.8173178
	11	20.8094499
	12	7.14923558
	13	5.18502956
	14	6.24364516
	15	12.0990686
	16	20.6192623
	16.1536	30.7736683
	17	42.1821432
	18	46.6329705
	19	45.6830443
	20	42.3547031
	21	38.6393899
	22	35.275738
	23	32.2812438
	24	29.6032744
12-Jan	1	27.19895
	2	25.0328623
	3	23.0754382
	4	21.301738
	5	19.6905531
	6	18.2237152
	7	15.6989423
	8	13.7128135
	9	5.02521266
	10	4.47435888
	11	6.63125627
	12	12.8501896
	13	21.8993247
	13.1536	32.6841253
	14	44.8008486
	15	49.5279872

Tanggal	t (Jam)	Q_{tot} (m ³ /s)
	16	48.5190888
	17	44.9841211
	18	41.038158
	19	37.4656875
	20	34.2852925
	21	31.4410723
	22	28.8874853
	23	26.586925
	24	24.5079822
13-Jan	1	22.6241691
	2	20.9129604
	3	19.3550598
	4	17.9338307
	5	16.6348472
	6	15.445536
	7	14.3548881
	8	13.3532236
	9	12.431999
	10	11.5836473
	11	10.0754632
	12	9.09117997
	13	4.4044483
	14	6.58179681
	15	12.9552819
	16	25.1050212
	17	42.7840387
	17.1536	63.8539728
	18	87.5260433
	19	96.761309
	20	94.7902551
	21	87.8840972
	22	80.17499
	23	73.1955641
	24	66.9821239

Lampiran 28. Data Debit Banjir Metode ITB-2 Asli Tanggal 20-26 Januari 2012

Tanggal	t (Jam)	Q_{tot} (m ³ /s)	Tanggal	t (Jam)	Q_{tot} (m ³ /s)	
20-Jan	0	0		16	13.604573	
	1	0		17	23.1849467	
	2	0		17.1536	34.60288	
	3	0		18	47.4309278	
	4	0		19	52.4355779	
	5	0		20	51.3674511	
	6	0		21	47.6249595	
	7	0		22	43.4473446	
	8	0		23	39.6651487	
	9	0		24	36.2980453	
	10	0		22-Jan	1	33.2868523
	11	0.0058787			2	30.5833544
	12	0.03821928			3	28.1477373
	13	0.16022281			4	25.9467481
	14	0.50513669			5	23.9523439
	15	1.18576097			6	22.1406769
	16	2.29779286			7	20.4913182
17	3.91590423		8		18.9866544	
17.1536	5.84437677		9		17.6114128	
18	8.01101564		10		16.3522819	
19	8.85629386		11		15.1976063	
20	8.67588877		12		14.1371381	
21	8.04378732		13		13.1618321	
22	7.33819415		14		12.263677	
23	6.69938669		15		11.435555	
24	6.13068776		16	9.9142548		
21-Jan	1	5.62210158	17	8.73572479		
	2	5.16548467	18	3.3040469		
	3	4.75411244	19	3.19706126		
	4	4.38236851	20	5.03796783		
	5	4.04551651	21	9.76268134		
	6	3.73952855	22	16.6375855		
	7	3.46095424	22.1536	24.8311278		
	8	3.20681868	23	34.0365724		
	9	2.97454234	24	37.6279239		
	10	2.76187694	23-Jan	1	36.861433	
	11	2.41513988		2	34.1758101	
	12	2.28269716		3	31.1779414	
	13	1.57774938		4	28.4638266	
	14	3.24237855		5	26.0475833	
	15	7.02055089		6	23.8867424	

Tanggal	t (Jam)	Q_{tot} (m ³ /s)
	7	21.9467045
	8	20.1988985
	9	18.6194622
	10	17.1882719
	11	15.8882144
	12	14.7046298
	13	13.6248787
	14	12.6380012
	15	11.7344452
	16	10.9058467
	17	10.1448516
	18	9.44496913
	19	8.80045046
	20	7.62457408
	21	6.71139879
	22	2.52683624
	23	2.41719179
	24	3.77870324
24-Jan	1	7.32245161
	2	12.47894
	2.1536	18.6244665
	3	25.5289654
	4	28.2226411
	5	27.6477383
	6	25.6334
	7	23.3848632
	8	21.3491545
	9	19.5368631
	10	17.9161349
	11	16.4610189
	12	15.1500855
	13	13.965437
	14	12.8919797
	15	11.9168779
	16	11.029136
	17	10.2192739
	18	9.47907131
	19	8.80136352
	20	8.17987723
	21	7.60909656
	22	7.08415312
	23	6.60073502
	24	6.15501109

Tanggal	t (Jam)	Q_{tot} (m ³ /s)
25-Jan	1	5.32431404
	2	4.62462889
	3	1.45454579
	4	0.69989964
	5	0.31521369
	6	0.6108278
	7	1.04097424
	7.1536	1.55362474
	8	2.12958756
	9	2.3542899
	10	2.30633238
	11	2.13829933
	12	1.95072981
	13	1.78091408
	14	1.62973548
	15	1.49453679
	16	1.37315322
	17	1.26379715
	18	1.16497556
	19	1.07542938
	20	0.99408787
	21	0.92003379
	22	0.85247633
	23	0.79072975
	24	0.73419639
26-Jan	1	0.0033493
	2	0.02177488
	3	0.09128462
	4	0.28779429
	5	0.67557009
	6	1.30913411
	7	2.23102956
	7.1536	3.32974879
	8	4.56415982
	9	5.04574481
	10	4.94296163
	11	4.58283101
Tanggal	t (Jam)	Q_{tot} (m ³ /s)
	12	4.18082955
	13	3.81687827
	14	3.49287032
	15	3.20311073
	16	2.94295988

Tanggal	t (Jam)	Q_{tot} (m ³ /s)
	17	2.70858652
	18	2.49679082
	19	2.30487428
	20	2.13054209

Tanggal	t (Jam)	Q_{tot} (m ³ /s)
	21	1.97182841
	22	1.82703837
	23	1.6947023
	24	1.57353928

Lampiran 29. Data Debit Banjir Metode ITB-2 Modifikasi Tanggal 1-7 Januari 2012

Tanggal	t (Jam)	Q_{tot} (m ³ /s)	Tanggal	t (Jam)	Q_{tot} (m ³ /s)	
01-Jan	0	0		15	77.6324424	
	1	2.87681956		16	69.2490572	
	2	10.356947		17	61.8963185	
	3	42.7877197		18	55.4279214	
	3.471	95.00556		19	49.7217509	
	4	167.844089		20	44.6752202	
	5	220.861041		21	37.6589765	
	6	224.138072		22	32.6471064	
	7	204.547426		23	14.5704488	
	8	178.365873		24	19.4262571	
	9	154.872781		03-Jan	0.471	34.2201152
	10	135.170702			1	60.052088
	11	118.493814			2	79.0207555
	12	104.269794			3	80.1932276
	13	92.0600609			4	73.1839894
	14	81.521822			5	63.816624
	15	72.3828308			6	55.4111495
	16	64.4239822			7	48.3620422
	17	57.4669544			8	42.3953027
	18	51.3652179			9	37.3061624
	19	45.9973603			10	32.9377038
	20	41.2620432			11	29.1672806
	21	37.0741343			12	25.8974871
	22	33.3617009			13	23.0499309
23	28.6330216		14	20.5608111		
24	27.5374154		15	18.3777017		
02-Jan	1	23.8976736	16	16.457163		
	2	55.4977679	17	14.7629379		
	2.471	115.253756	18	13.2645671		
	3	202.256149	19	11.9363143		
	4	266.142848	20	10.7563205		
	5	270.091747	21	9.70593217		
	6	246.48455	22	8.76916343		
	7	214.935151	23	7.9322606		
	8	186.625413	24	7.183348		
	9	162.883935	04-Jan	1	6.51213756	
	10	142.787885		2	5.90968912	
	11	125.6476		3	5.36821174	
	12	110.934579		4	4.88089784	
	13	98.2357491		5	4.44178434	
14	87.2230457	6		4.04563571		

Tanggal	t (Jam)	Q_{tot} (m ³ /s)
	7	3.68784515
	8	3.48064416
	9	4.94008249
	10	10.3756878
	11	30.1689894
	11.471	64.0650818
	12	109.885978
	13	139.392805
	14	135.065719
	15	120.399049
	16	104.715033
	17	91.0332581
	18	79.5330012
	19	69.7807323
	20	61.4502827
	21	54.2904188
	22	48.1039793
	23	42.7338614
	24	38.0532821
05-Jan	1	33.9588189
	2	30.36532
	3	27.2021089
	4	24.4101059
	5	21.9396135
	6	19.7485901
	7	17.8012899
	8	14.9250723
	9	13.1555328
	10	5.96514554
	11	12.3935497
	11.471	25.1161735
	12	44.0757915
	13	57.9980224
	14	58.8585692
	15	53.7140734
	16	46.8388079
	17	40.6695313
	18	35.4957731
	19	31.1164288
	20	27.3812068
	21	24.1749357
	22	21.4075983
	23	19.0077028

Tanggal	t (Jam)	Q_{tot} (m ³ /s)
	24	16.9177123
06-Jan	1	15.0907996
	2	13.488486
	3	12.0788887
	4	10.8353963
	5	9.73565304
	6	8.7607695
	7	7.89470198
	8	7.12375967
	9	6.4362095
	10	5.82195684
	11	5.27228543
	12	4.77964425
	13	4.33747159
	14	3.73589431
	15	3.54723037
	16	2.80506824
	17	6.22806996
	17.471	12.8092465
	18	22.4786502
	19	29.5789869
	20	30.0178657
	21	27.3941732
	22	23.8877884
	23	20.7414578
	24	18.1028415
07-Jan	1	15.8693763
	2	13.9644133
	3	12.3292153
	4	10.9178735
	5	9.69392696
	6	8.62803198
	7	7.69630661
	8	6.8791268
	9	6.16023229
	10	5.52605126
	11	4.96518229
	12	4.46799176
	13	4.0262974
	14	3.63311688
	15	3.28246634
	16	2.96919753
	17	2.68886516

Tanggal	t (Jam)	Q_{tot} (m ³ /s)
	18	2.4376182
	19	2.21211017
	20	2.00942479

Tanggal	t (Jam)	Q_{tot} (m ³ /s)
	21	1.82701383
	22	1.8371605
	23	3.1961085
	24	8.30059472

Lampiran 30. Data Debit Banjir Metode ITB-2 Modifikasi Tanggal 8-13 Januari 2012

Tanggal	t (Jam)	Q_{tot} (m ³ /s)	Tanggal	t (Jam)	Q_{tot} (m ³ /s)	
08-Jan	0	0		15	92.1817073	
	1	1.80915007		16	80.8086509	
	2	6.51318964		17	71.108365	
	3	26.907981		18	62.7817527	
	3.471	59.7462969		19	55.5950411	
	4	105.552378		20	49.3625676	
	5	138.893233		21	43.9349103	
	6	140.954064		22	39.1904599	
	7	128.634063		23	35.0292882	
	8	112.169229		24	31.3685964	
	9	97.3950911		10-Jan	1	28.1392753
	10	85.0050134			2	25.2832673
	11	74.5173923			3	22.7515171
	12	65.5723103			4	20.5023597
	13	57.8939562			5	18.5002402
	14	51.2667573			6	16.7146882
	15	45.5195054			7	15.1194882
	16	40.5144117			8	13.6920042
	17	36.1393346			9	12.1651805
	18	32.3021259			10	13.7107383
	19	28.9264328			11	19.5207748
	20	25.9485264			12	53.315209
	21	23.3148695		12.471	114.108387	
	22	20.9802256		13	200.246168	
23	18.9061736		14	263.497973		
24	17.0599267		15	267.407629		
09-Jan	1	15.4133866	16	244.035035		
	2	13.9423789	17	212.799168		
	3	12.6260299	18	184.770767		
	4	11.4462565	19	161.265227		
	5	10.0178353	20	141.368888		
	6	10.43344	21	124.398939		
	7	11.9518732	22	109.832134		
	8	30.7901932	23	97.2595018		
	8.471	65.2261256	24	86.3562404		
	9	114.463818	11-Jan	1	76.8609467	
	10	150.619532		2	68.5608739	
	11	152.854352		3	61.2812052	
	12	139.494215		4	54.8770898	
	13	121.639308		5	49.227626	
14	105.617839	6		44.2312468		

Tanggal	t (Jam)	Q_{tot} (m ³ /s)
	7	39.8021331
	8	35.8673948
	9	32.3648317
	10	29.2411376
	11	26.4504506
	12	23.9531706
	13	20.4611071
	14	18.6483901
	15	11.7740938
	16	23.381611
	16.471	49.3894147
	17	92.1811056
	18	132.580855
	19	148.416333
	20	141.648921
	21	124.110747
	22	107.52403
	23	93.6708327
	24	81.9834346
12-Jan	1	72.0422832
	2	63.5286549
	3	56.1951676
	4	49.8464712
	5	44.326098
	6	39.5072211
	7	35.2859895
	8	31.5766161
	9	27.2492968
	10	24.7858427
	11	18.7010093
	12	26.5683597
	12.471	48.0260799
	13	84.2798559
	14	110.901354
	15	112.546855

Tanggal	t (Jam)	Q_{tot} (m ³ /s)
	16	102.709769
	17	89.5631784
	18	77.7665498
	19	67.8735092
	20	59.4995132
	21	52.3571802
	22	46.2262849
	23	40.9347
	24	36.3457218
13-Jan	1	32.3493307
	2	28.8559858
	3	25.7921098
	4	23.0967377
	5	20.7189844
	6	18.6161021
	7	16.7519712
	8	15.0959137
	9	13.6217506
	10	12.3070463
	11	11.1324985
	12	10.0814402
	13	9.00939346
	14	10.4343132
	15	15.7946584
	16	43.7375985
	16.471	93.8270786
	17	164.654968
	18	216.664573
	19	219.879338
	20	200.660924
	21	174.976834
	22	151.930122
	23	132.602392
	24	116.242373

Lampiran 31. Data Debit Banjir Metode ITB-2 Modifikasi Tanggal 20-26 Januari 2012

Tanggal	t (Jam)	Q_{tot} (m ³ /s)	Tanggal	t (Jam)	Q_{tot} (m ³ /s)	
20-Jan	0	0		16	23.4609662	
	1	0		16.471	50.8454995	
	2	0		17	89.2275902	
	3	0		18	117.411931	
	4	0		19	119.154032	
	5	0		20	108.73945	
	6	0		21	94.8210755	
	7	0		22	82.3319139	
	8	0		23	71.8580923	
	9	0		24	62.9924923	
	10	0		22-Jan	1	55.4308615
	11	0			2	48.9400458
	12	0			3	43.337813
	13	0.04566219			4	38.4794342
	14	0.29686431			5	34.248431
	15	1.2445142			6	30.5500057
16	3.92359738		7		27.3062617	
16.471	8.5877319		8		24.4526551	
17	15.0704119		9		21.9353134	
18	19.8307066		10		19.7089792	
19	20.1249451		11		17.7354127	
20	18.365937		12		15.9821346	
21	16.0151436		13		14.4214292	
22	13.9057421		14		13.029544	
23	12.1367287		15		11.7860431	
24	10.6393416		16	10.6732814		
21-Jan	1	9.36219296	17	9.67597232		
	2	8.2659035	18	8.36929967		
	3	7.31969442	19	8.17505128		
	4	6.49912121	20	7.40048125		
	5	5.78451084	21	17.5066668		
	6	5.15985212	21.471	36.486879		
	7	4.61198842	22	64.0299794		
	8	4.13001836	23	84.2551445		
	9	3.70484295	24	85.5052818		
	10	3.32881831	23-Jan	1	78.031747	
	11	2.99548575		2	68.0438808	
	12	2.6993596		3	59.081622	
	13	2.54009757		4	51.565577	
	14	3.66774735		5	45.2035965	
	15	7.9519762		6	39.7773482	

Tanggal	t (Jam)	Q_{tot} (m ³ /s)
	7	35.1195198
	8	31.0993412
	9	27.6129544
	10	24.5767741
	11	21.9227733
	12	19.5950532
	13	17.5472968
	14	15.740845
	15	14.1432211
	16	12.7269839
	17	11.4688265
	18	10.3488598
	19	9.35003882
	20	8.45769896
	21	7.27879565
	22	6.96761644
	23	5.80596968
	24	13.3180508
24-Jan	0.471	27.9189338
	1	49.7235791
	2	66.9234309
	3	69.752391
	4	64.477165
	5	56.3026942
	6	48.8551647
	7	42.6169635
	8	37.3417395
	9	32.8460119
	10	28.9895451
	11	25.6629606
	12	22.7795386
	13	20.2695858
	14	18.0764498
	15	16.1536267
	16	14.4626189
	17	12.9713191
	18	11.6527736
	19	10.4842221
	20	9.44634435
	21	8.52266154
	22	7.69905805
	23	6.9633945
	24	6.30519315

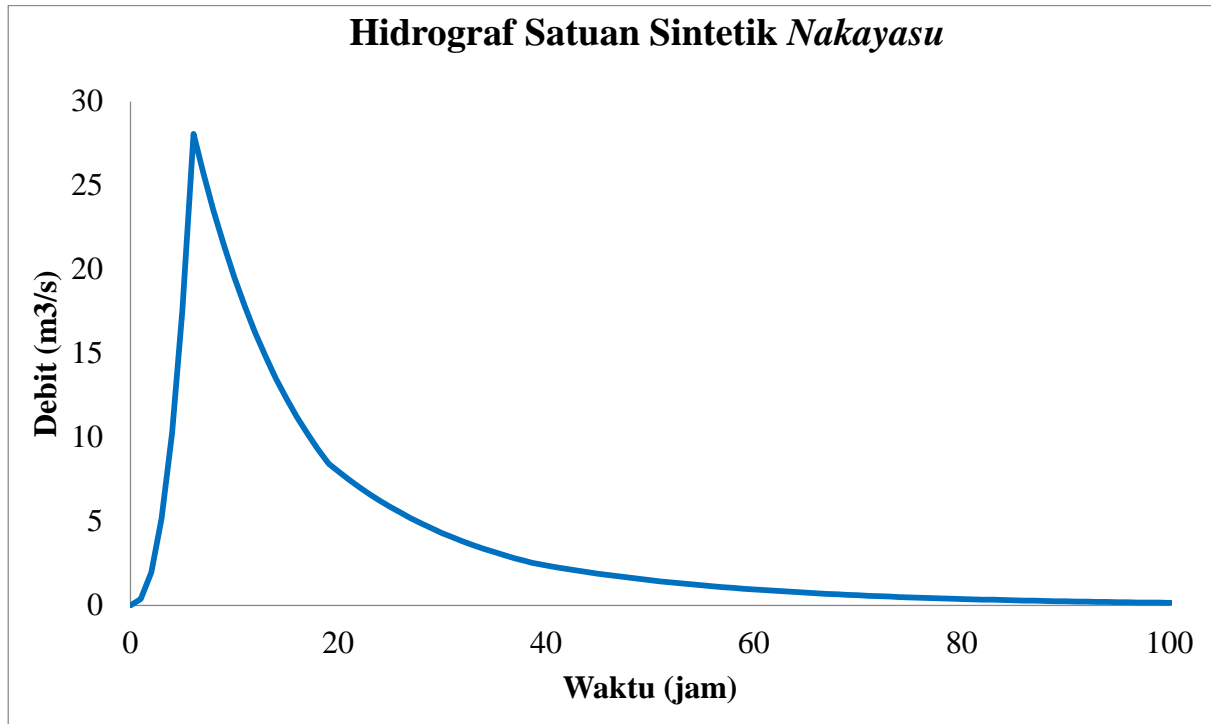
Tanggal	t (Jam)	Q_{tot} (m ³ /s)
25-Jan	1	5.71538024
	2	4.87229013
	3	4.21743273
	4	1.84704632
	5	1.64321902
	5.471	2.28289743
	6	4.00620386
	7	5.27164444
	8	5.34986257
	9	4.88226123
	10	4.25734414
	11	3.69659688
	12	3.22633578
	13	2.82828176
	14	2.48877428
	15	2.19734501
	16	1.94581198
	17	1.72767703
	18	1.53771043
	19	1.3716559
	20	1.22601598
	21	1.09789272
	22	0.98486731
	23	0.88490778
	24	0.79629718
26-Jan	1	0.71757726
	2	0.02601537
	3	0.16913413
	4	0.70904389
	5	2.23541262
	5.471	4.89273553
	6	8.58614834
	7	11.2982571
	8	11.4658952
	9	10.4637259
	10	9.12439547
	11	7.92259462
	12	6.9147249
	13	6.06161034
	14	5.33397348
	15	4.70937848
	16	4.1702896
	17	3.70277993

Tanggal	t (Jam)	Q_{tot} (m ³ /s)
	18	3.29564105
	19	2.93975081
	20	2.62761342
	21	2.35301798

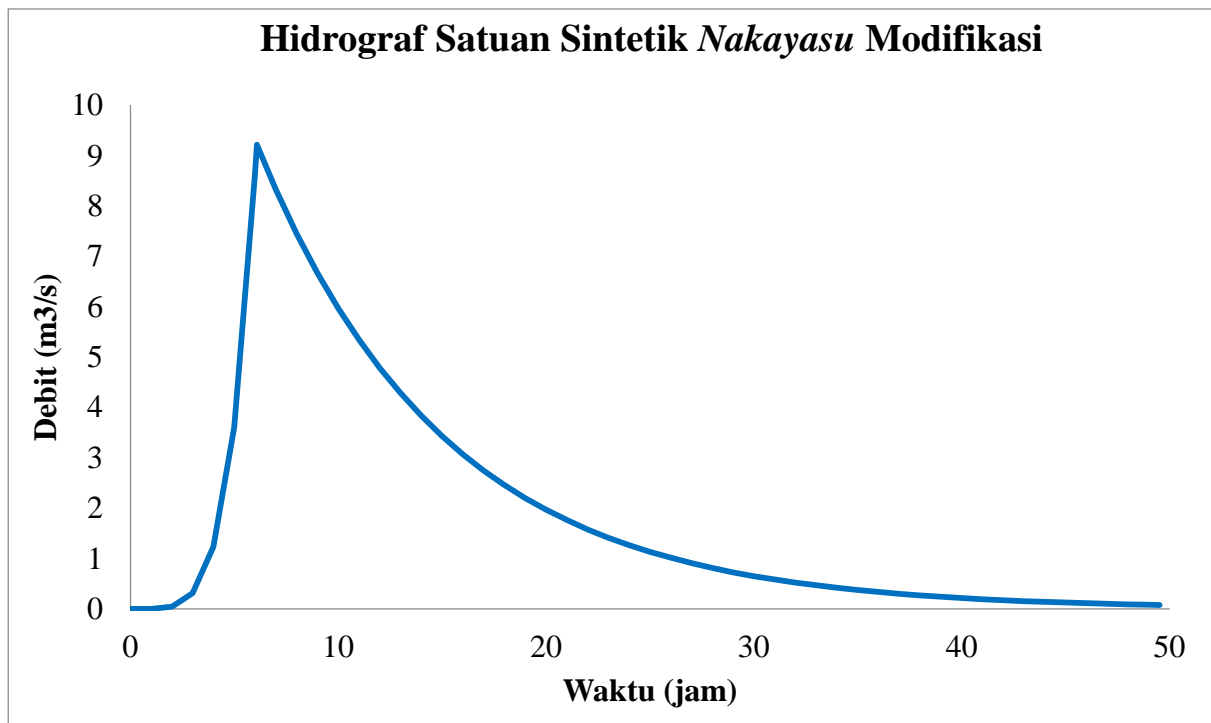
Tanggal	t (Jam)	Q_{tot} (m ³ /s)
	22	2.11078047
	23	1.89654589
	24	1.7066345

Lampiran 32. Grafik Hidrograf Satuan Sintetik

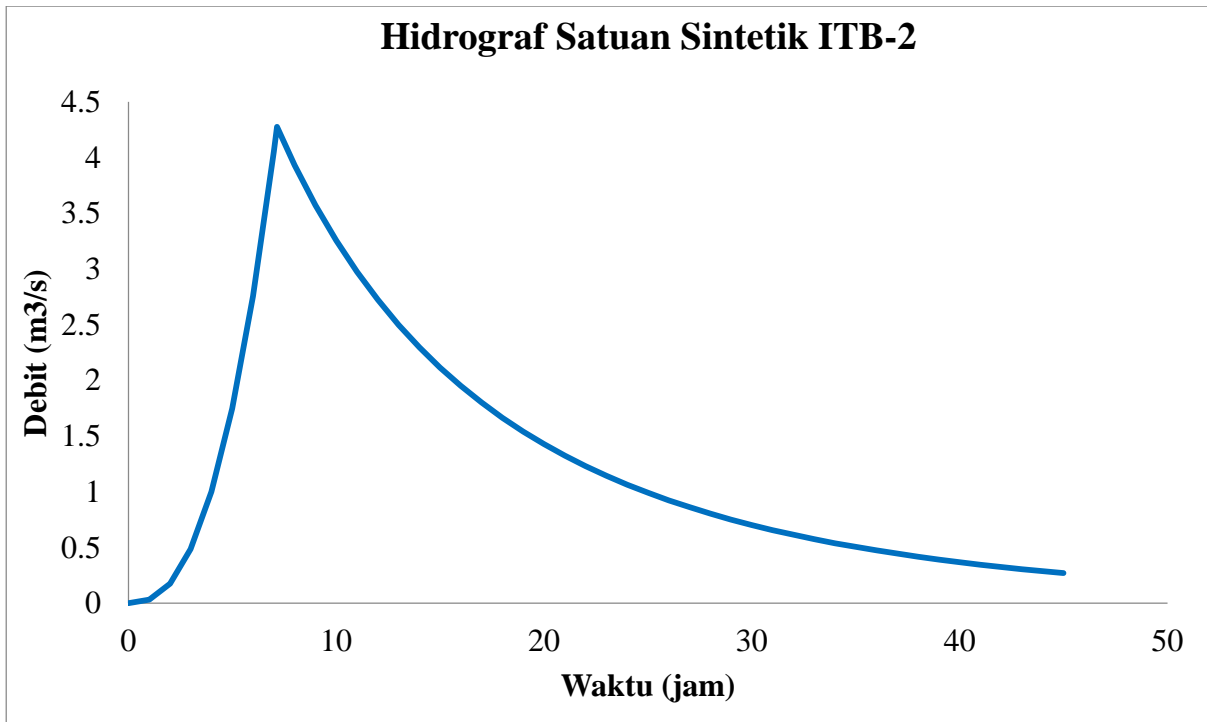
HSS *Nakayasu* Asli



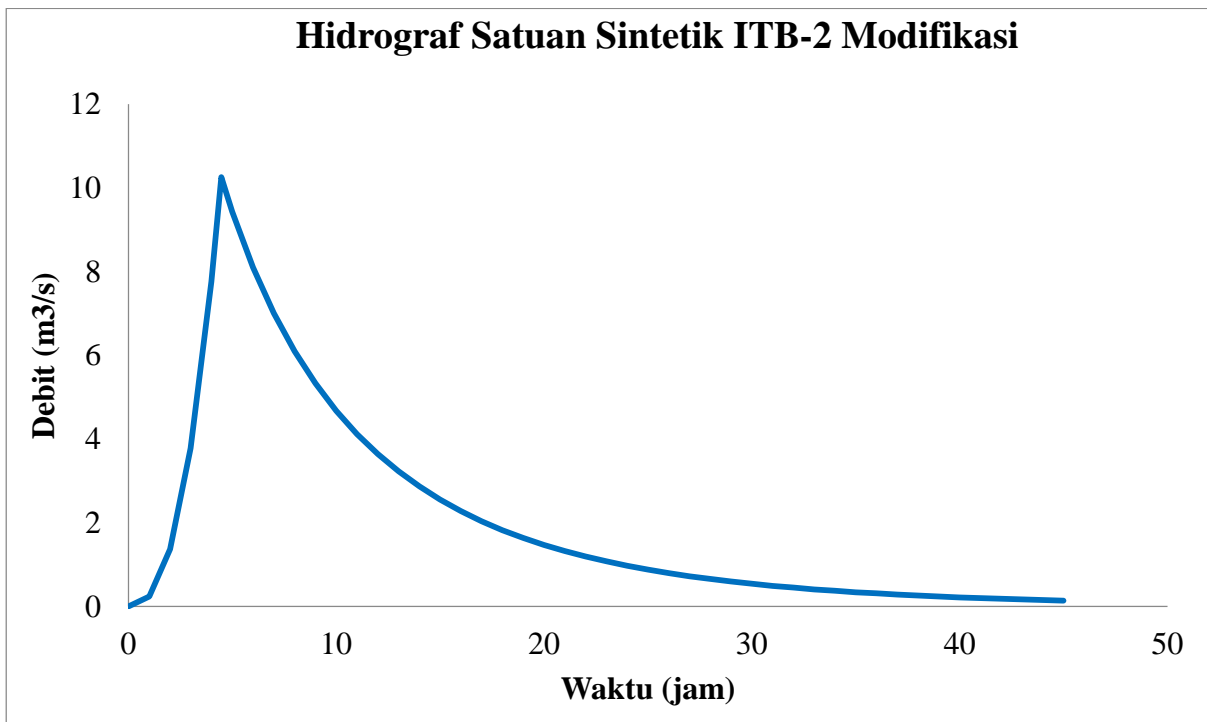
HSS *Nakayasu* Modifikasi



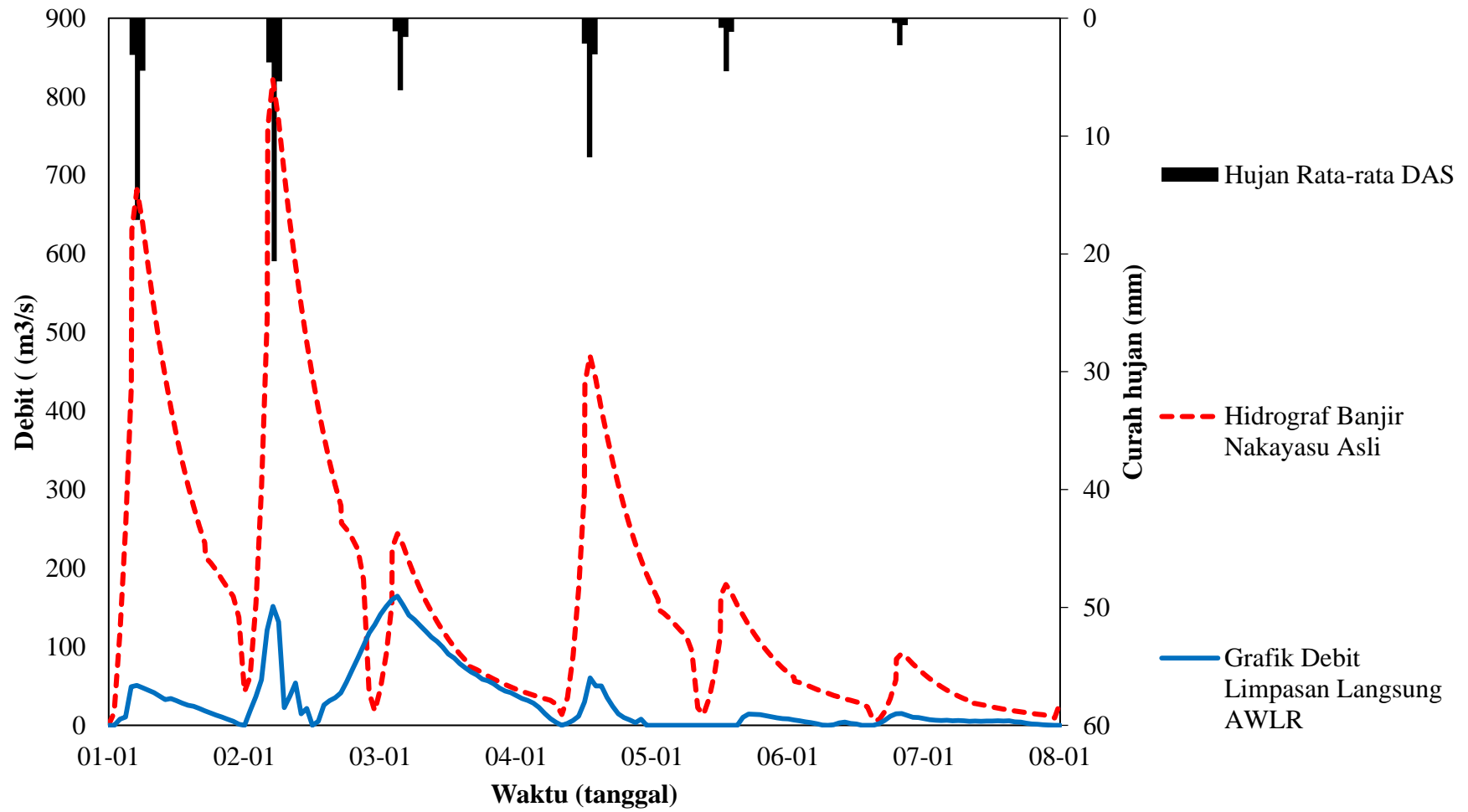
HSS ITB-2 Asli



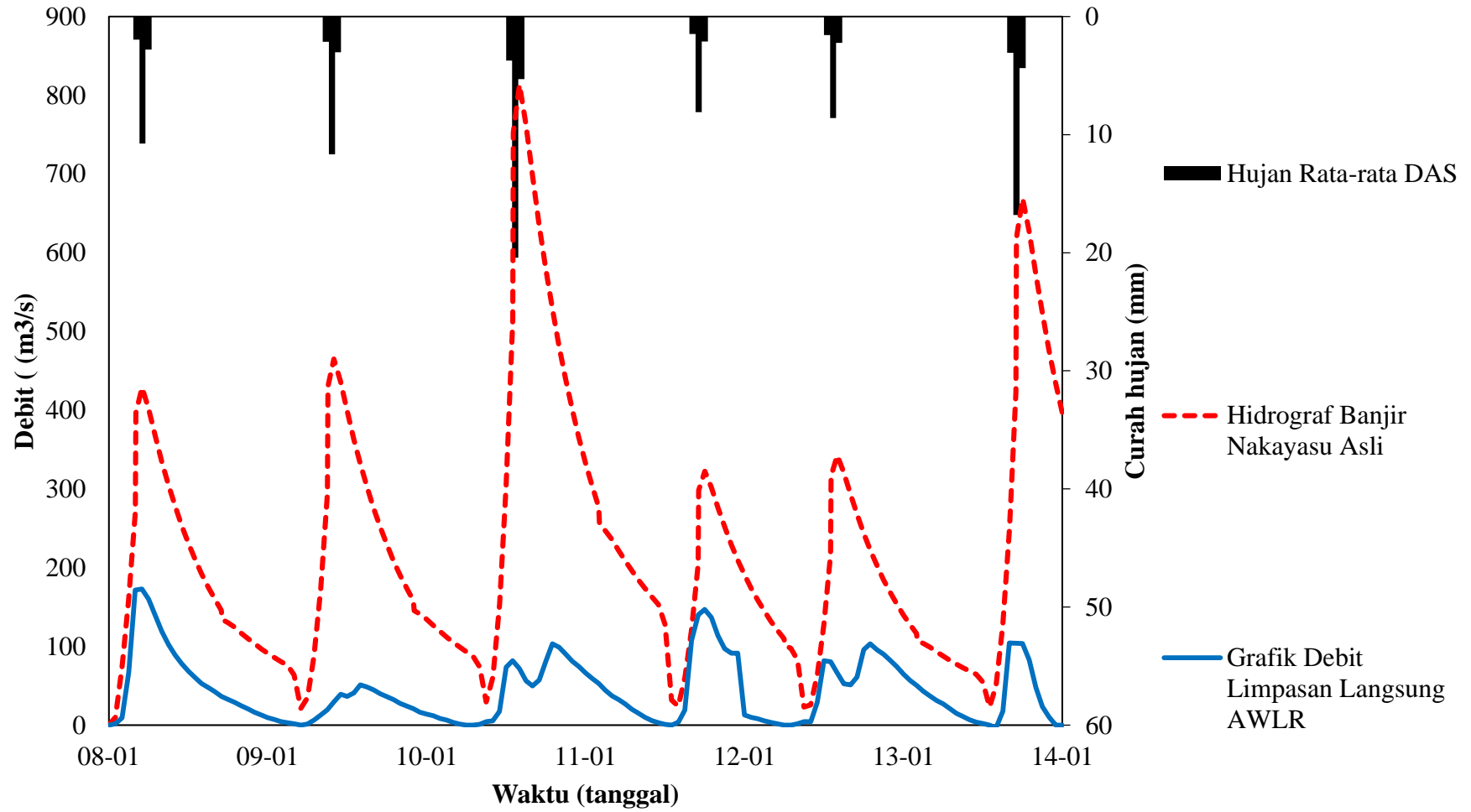
HSS ITB-2 Modifikasi



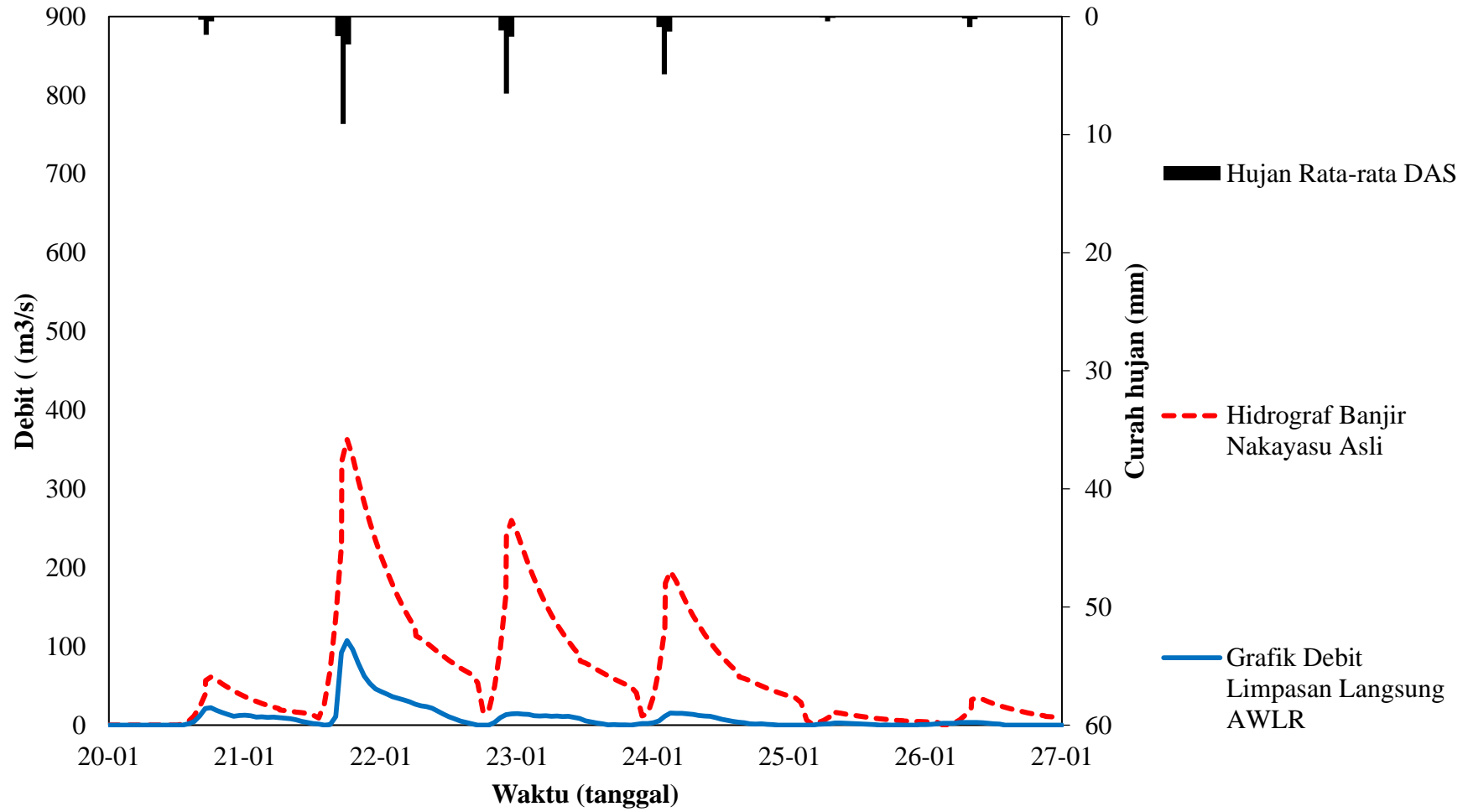
Lampiran 33. Hidrograf Banjir Metode *Nakayasu* Asli dan Grafik Limpasan Langsung AWLR Tanggal 1-7 Januari 2012



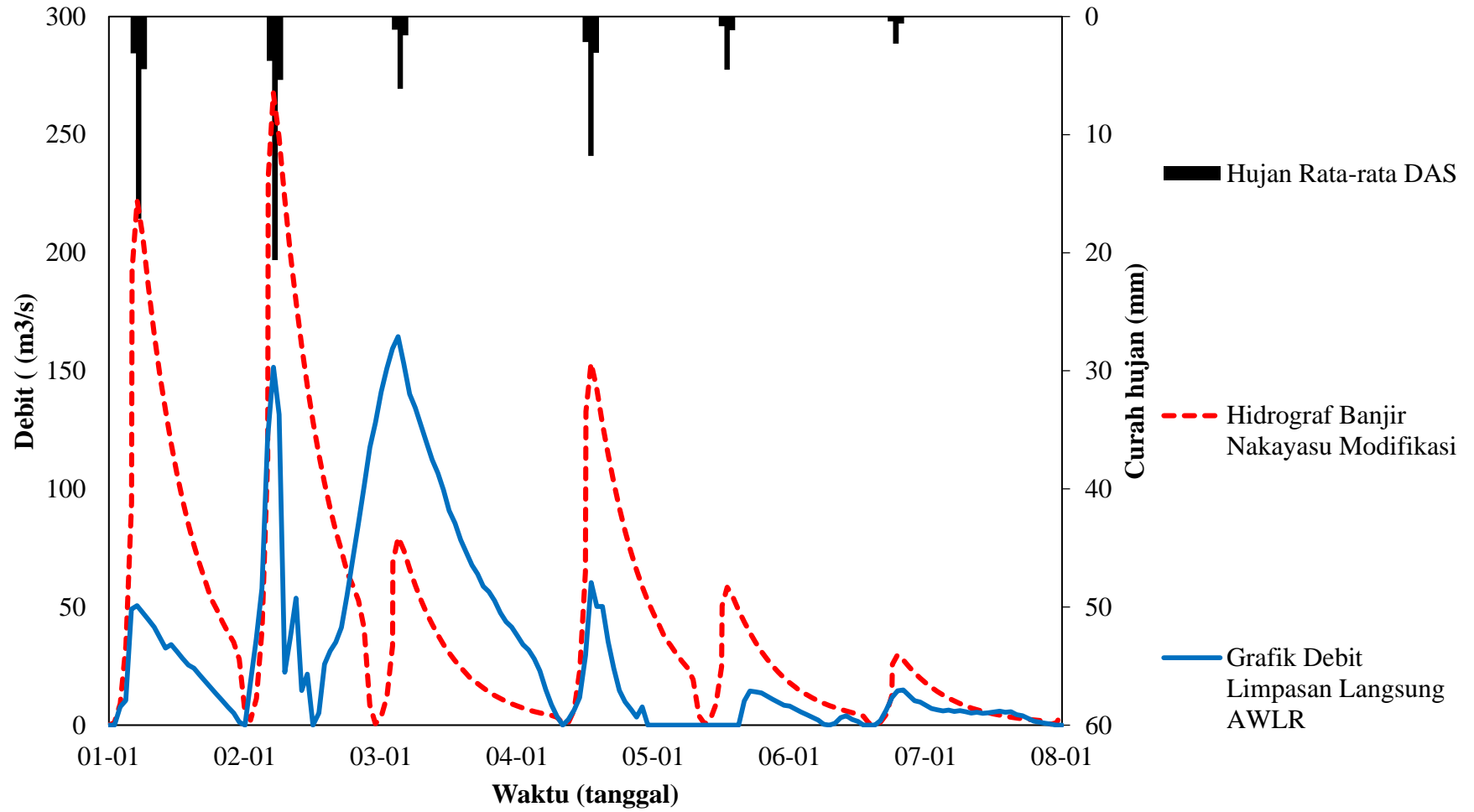
Lampiran 34. Hidrograf Banjir Metode *Nakayasu* Asli dan Grafik Limpasan Langsung *AWLR* Tanggal 8-13 Januari 2012



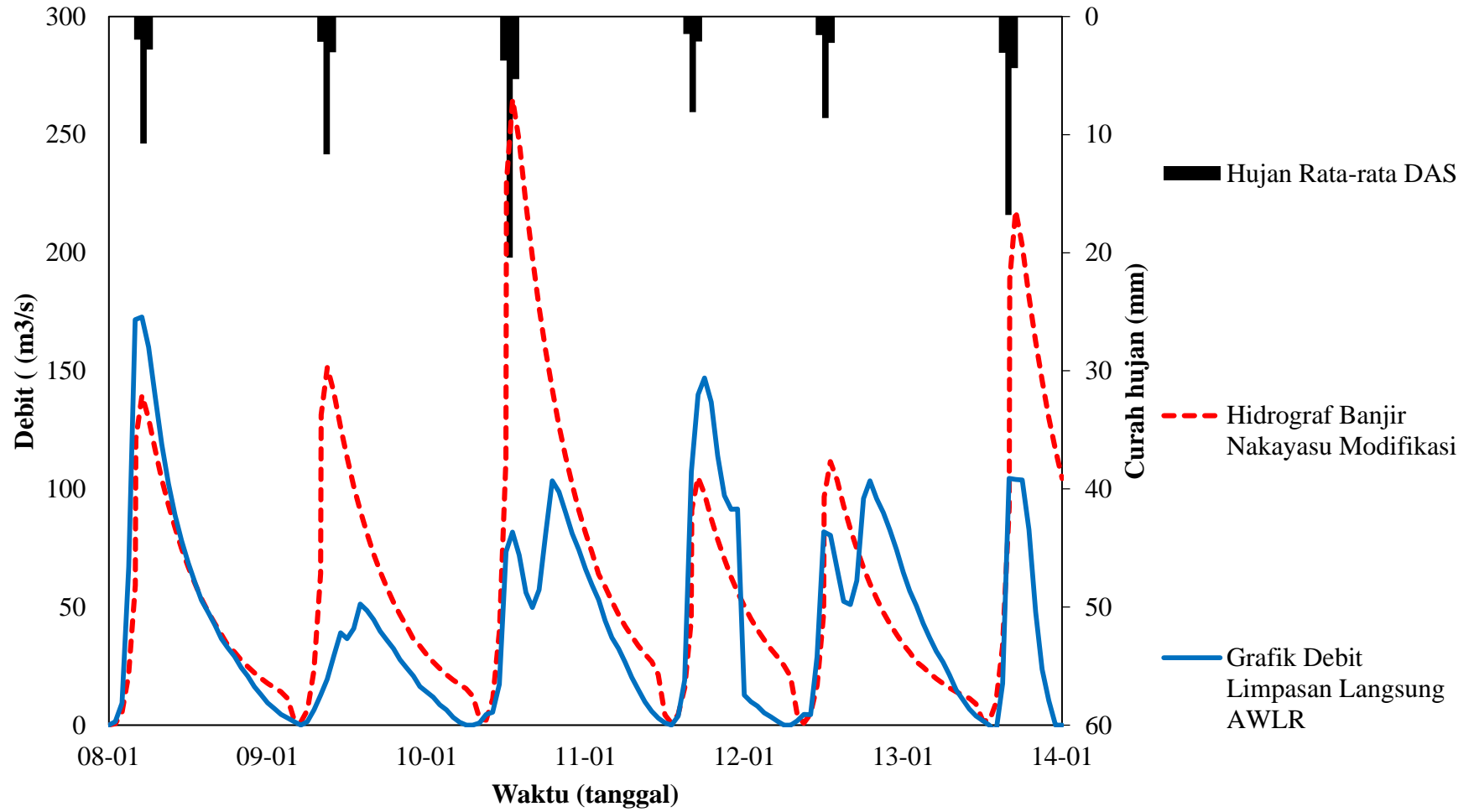
Lampiran 35. Hidrograf Banjir Metode *Nakayasu* Asli dan Grafik Limpasan Langsung *AWLR* Tanggal 20-26 Januari 2012



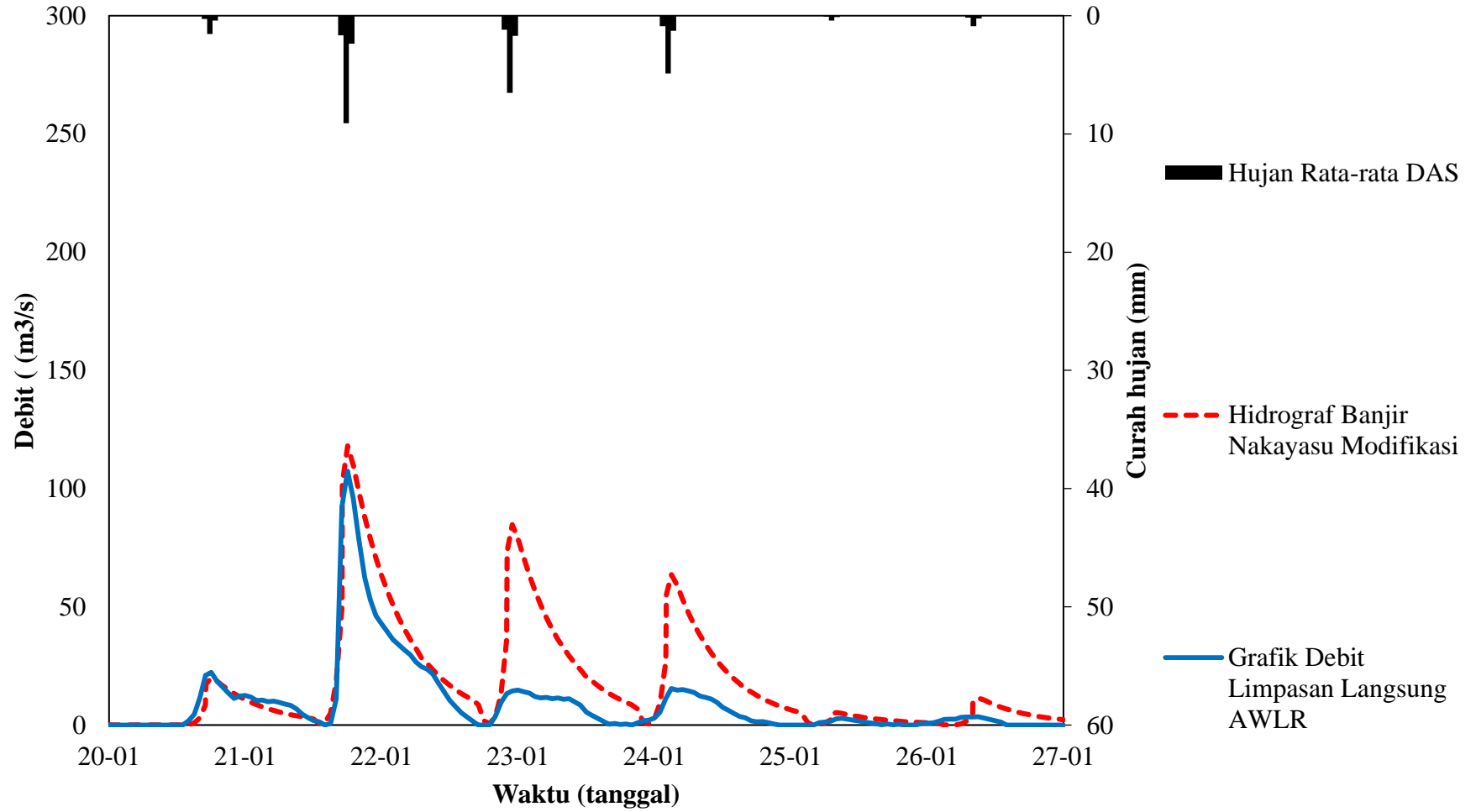
Lampiran 36. Hidrograf Banjir Metode *Nakayasu* Modifikasi dan Grafik Limpasan Langsung AWLR Tanggal 1-7 Januari 2012



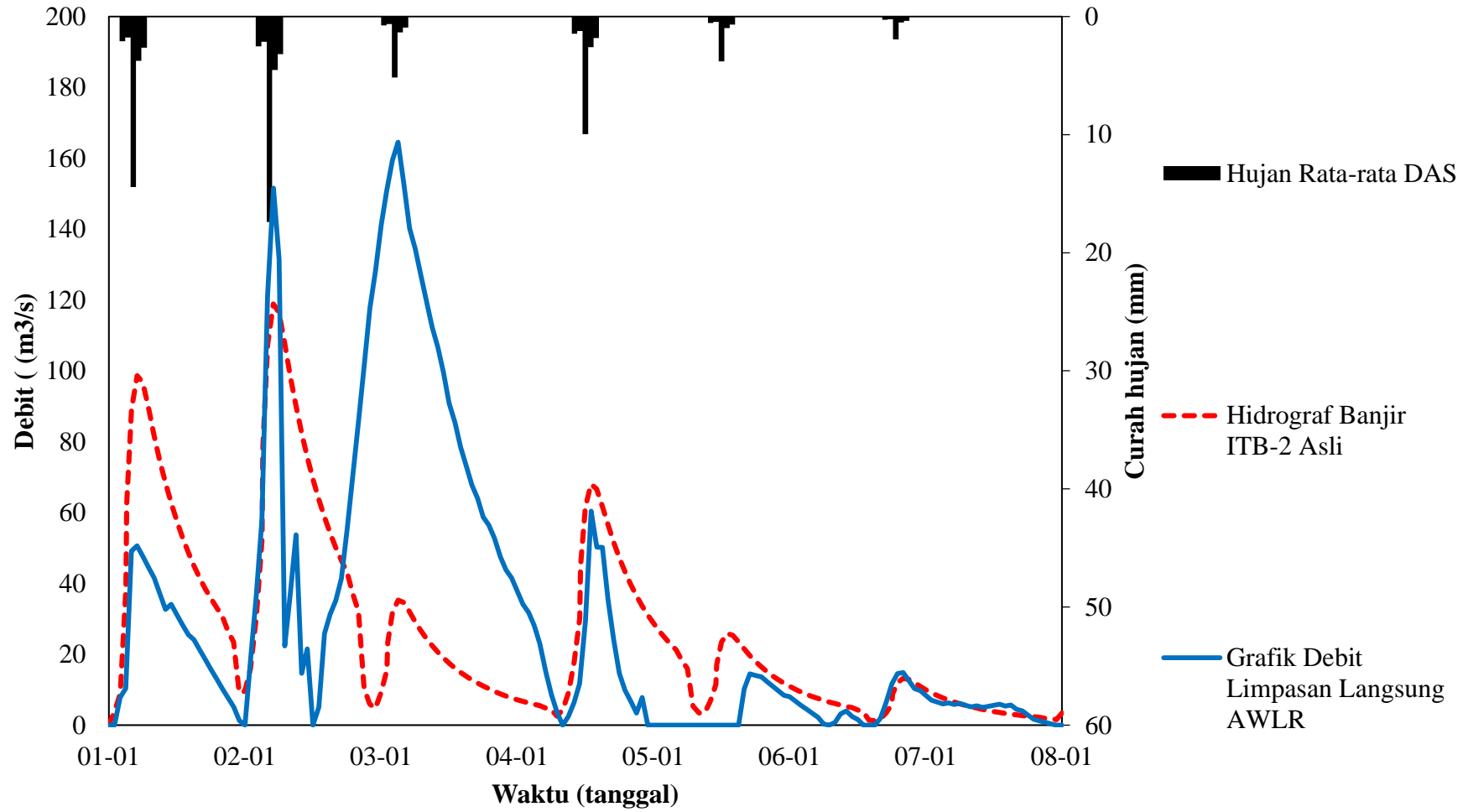
Lampiran 37. Hidrograf Banjir Metode *Nakayasu* Modifikasi dan Grafik Limpasan Langsung AWLR Tanggal 8-13 Januari 2012



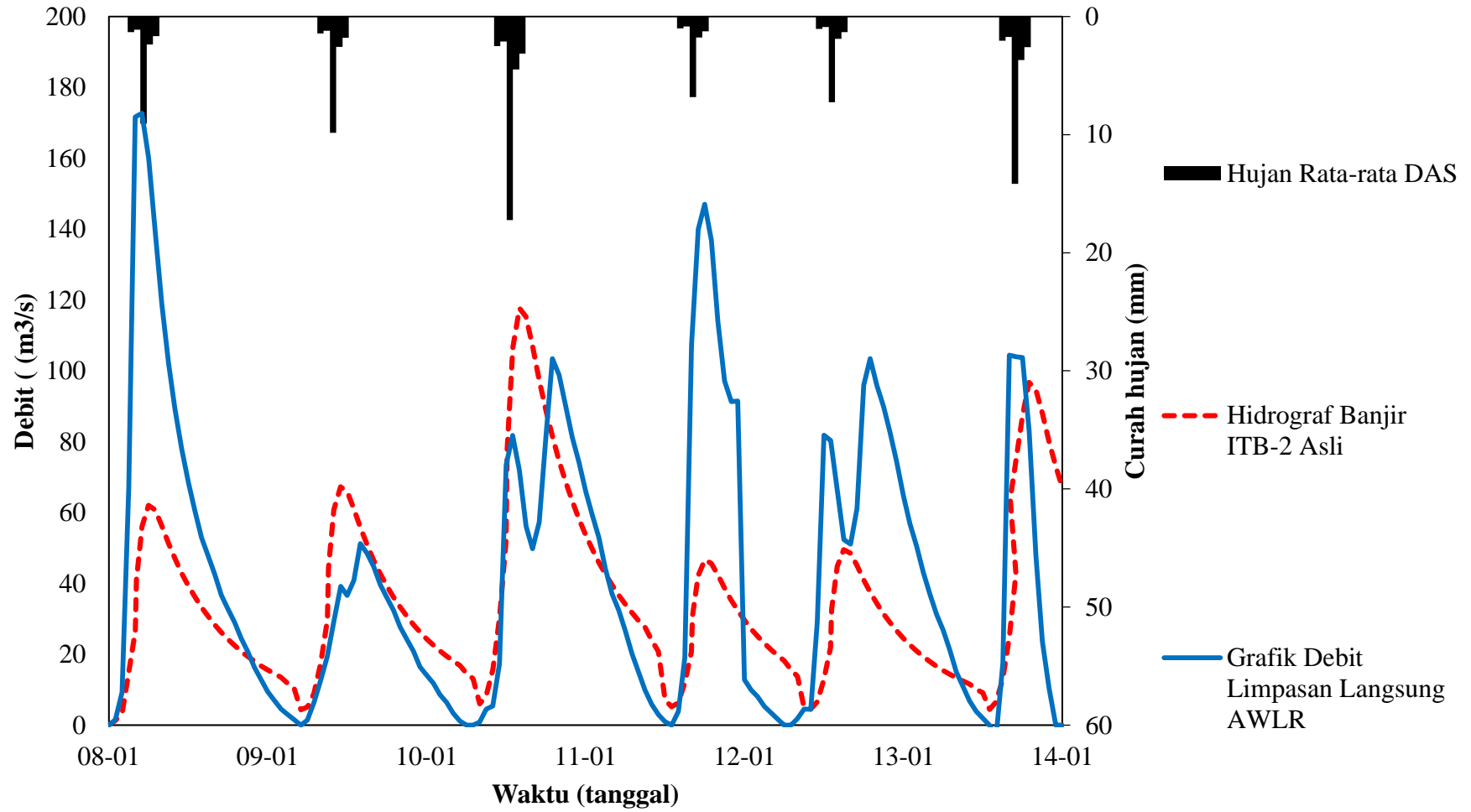
Lampiran 38. Hidrograf Banjir Metode *Nakayasu* Modifikasi dan Grafik Limpasan Langsung AWLR Tanggal 20-26 Januari 2012



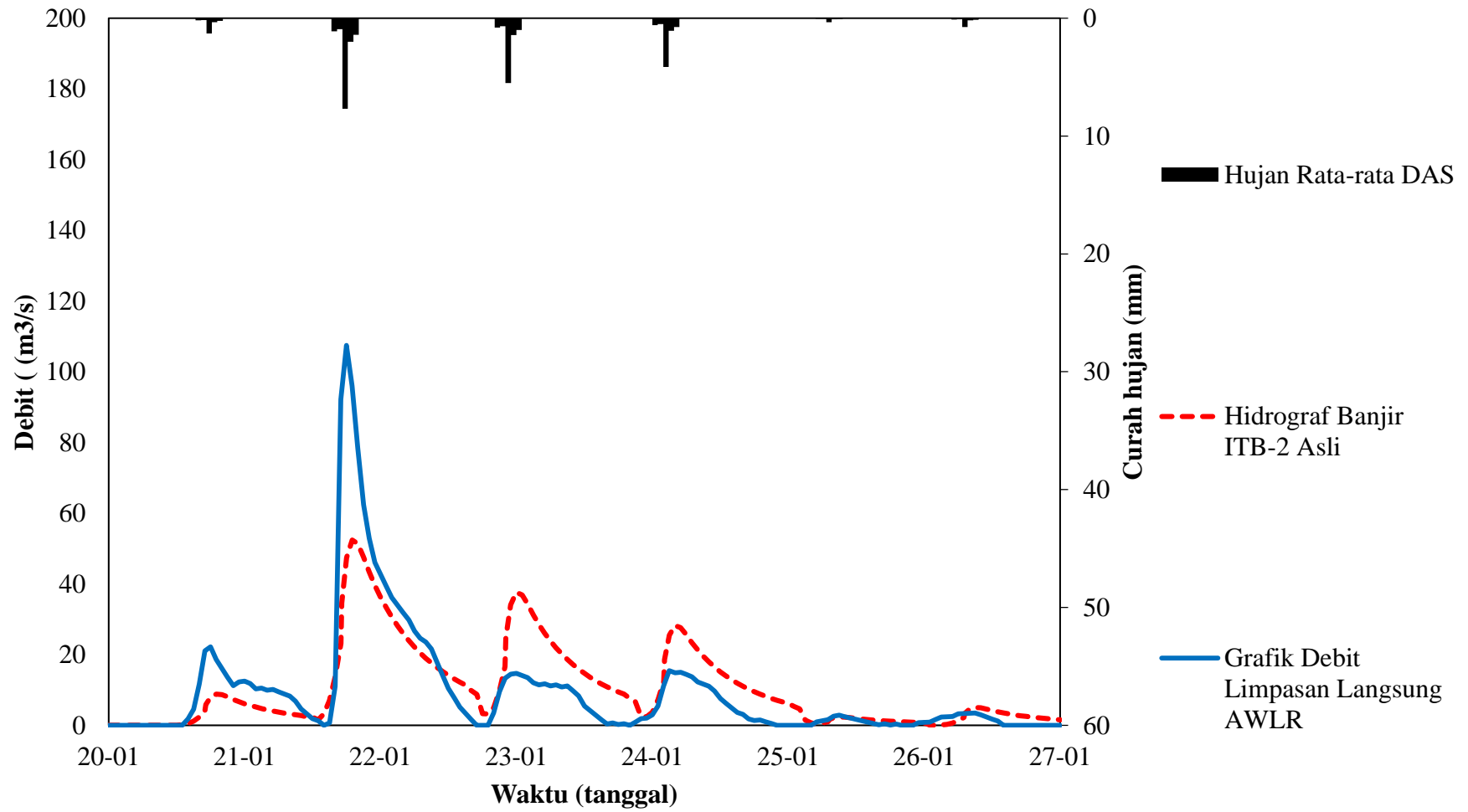
Lampiran 39. Hidrograf Banjir Metode ITB-2 Asli dan Grafik Limpasan Langsung AWLR Tanggal 1-7 Januari 2012



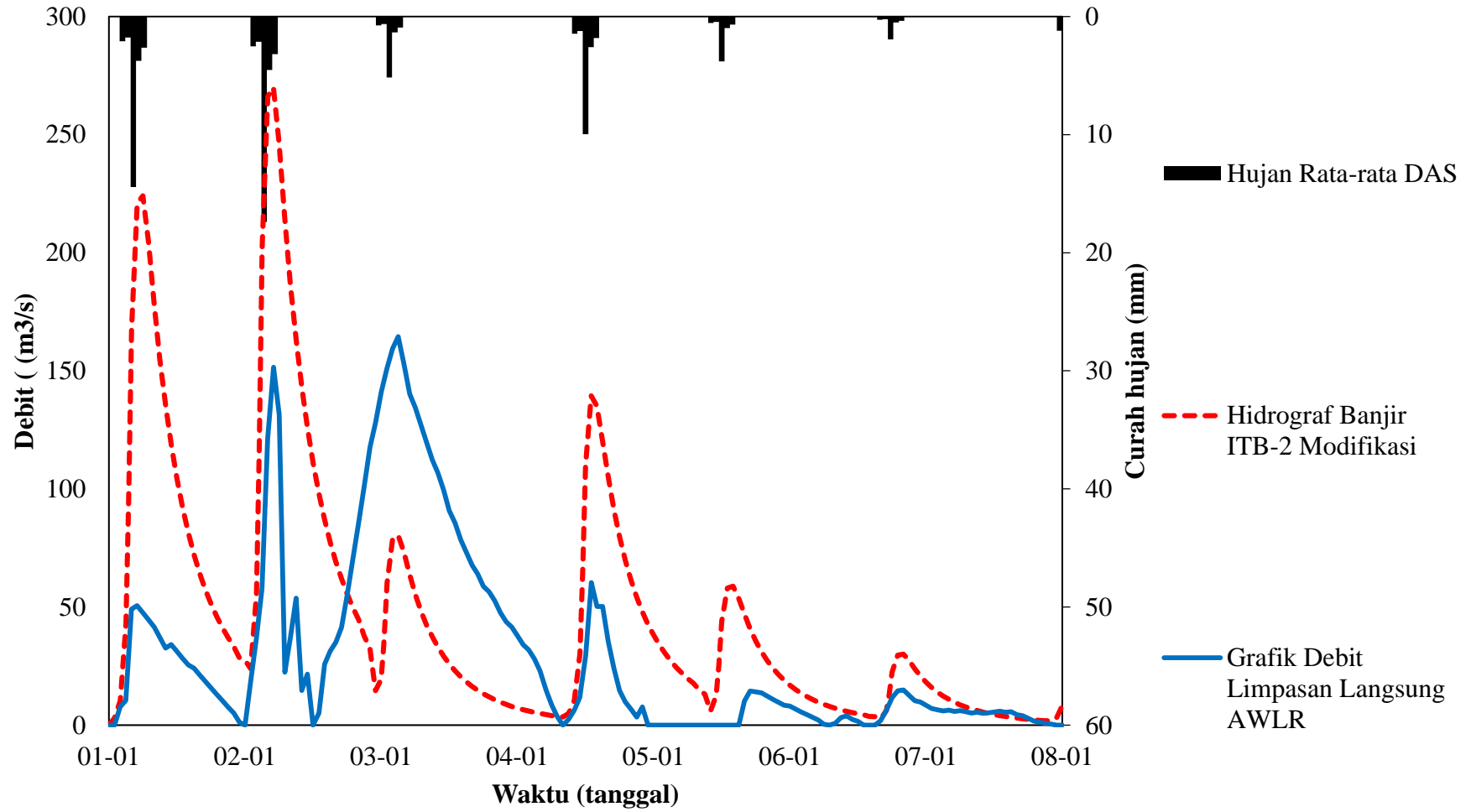
Lampiran 40. Hidrograf Banjir Metode ITB-2 Asli dan Grafik Limpasan Langsung AWLR Tanggal 8-13 Januari 2012



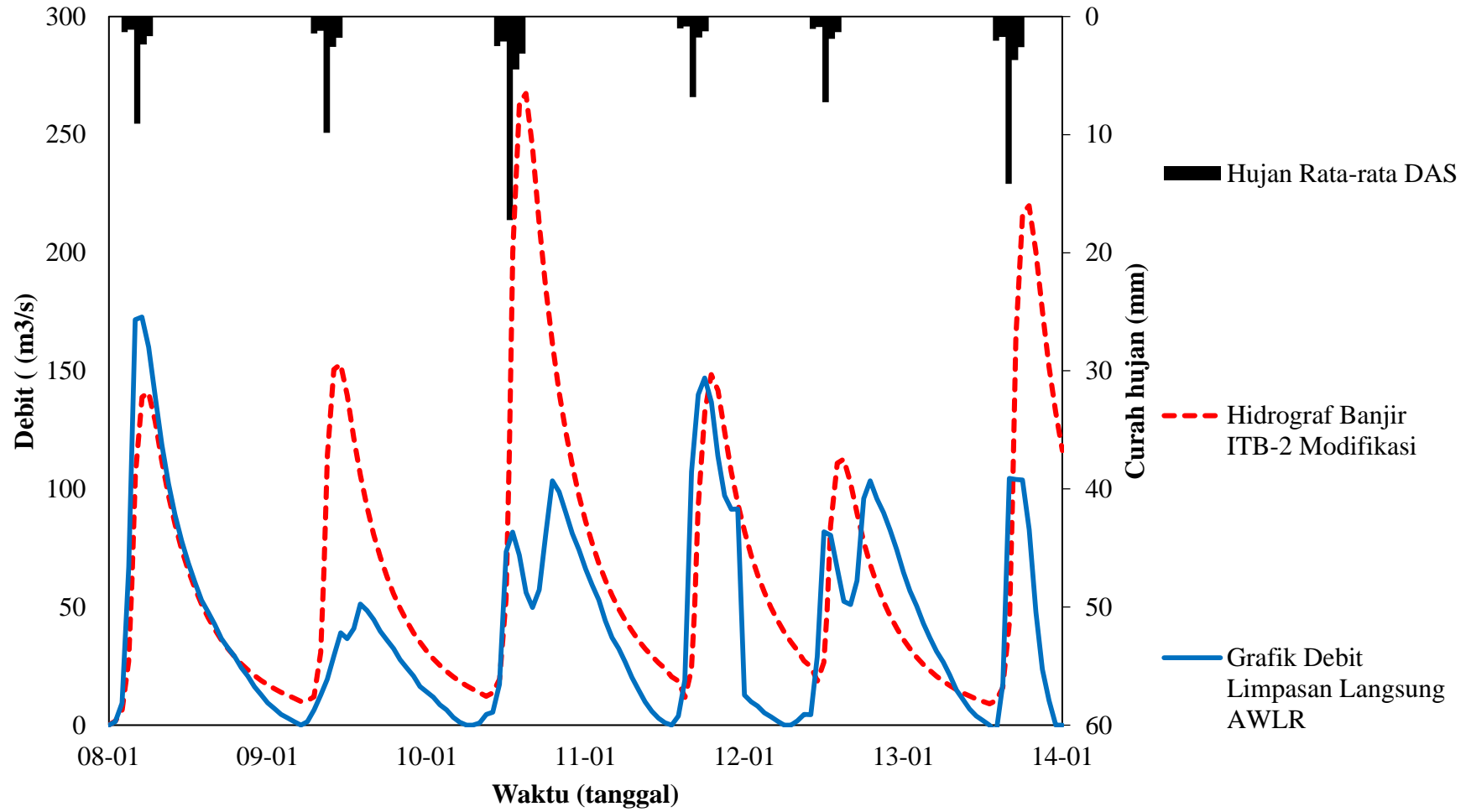
Lampiran 41. Hidrograf Banjir Metode ITB-2 Asli dan Grafik Limpasan Langsung AWLR Tanggal 20-26 Januari 2012



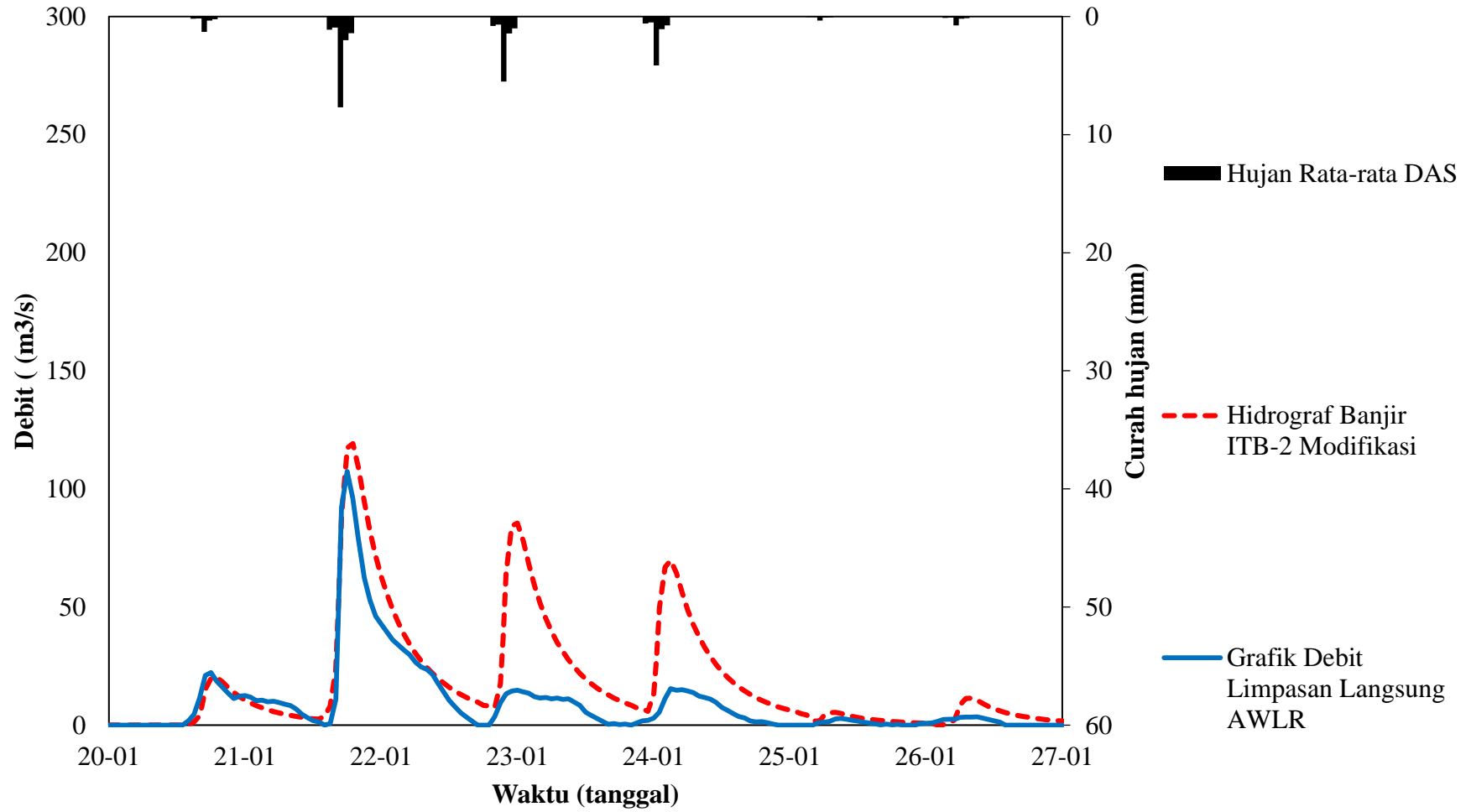
Lampiran 42. Hidrograf Banjir Metode ITB-2 Modifikasi dan Grafik Limpasan Langsung AWLR Tanggal 1-7 Januari 2012



Lampiran 43. Hidrograf Banjir Metode ITB-2 Modifikasi dan Grafik Limpasan Langsung AWLR Tanggal 8-13 Januari 2012



Lampiran 44. Hidrograf Banjir Metode ITB-2 Modifikasi dan Grafik Limpasan Langsung AWLR Tanggal 20-26 Januari 2012



Lampiran 45. Nilai Kesesuaian (R^2)

Nilai R^2 Metode *Nakayasu* Asli

Kondisi	R^2
1	0.101
2	0.245
3	0.665

Nilai R^2 Metode *Nakayasu* Modifikasi

Kondisi	R^2
1	0.098
2	0.327
3	0.658

Nilai R^2 Metode ITB-2 Asli

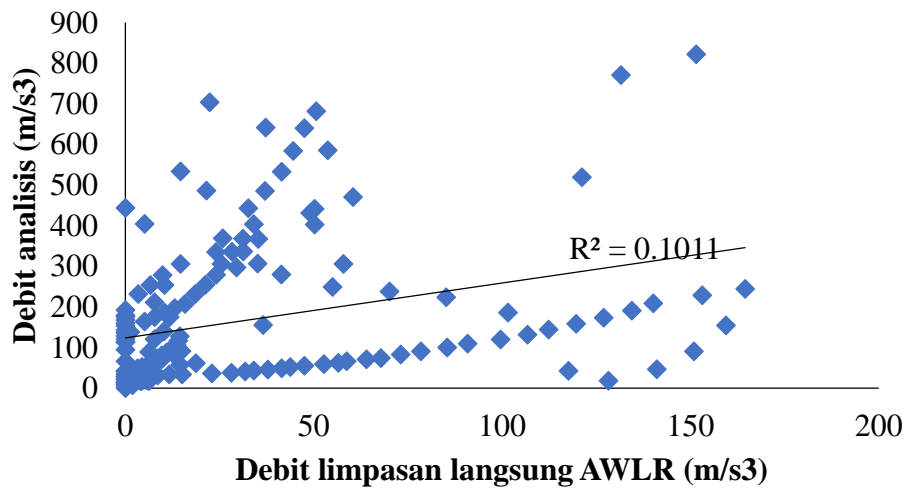
Kondisi	R^2
1	0.101
2	0.252
3	0.611

Nilai R^2 Metode ITB-2 Modifikasi

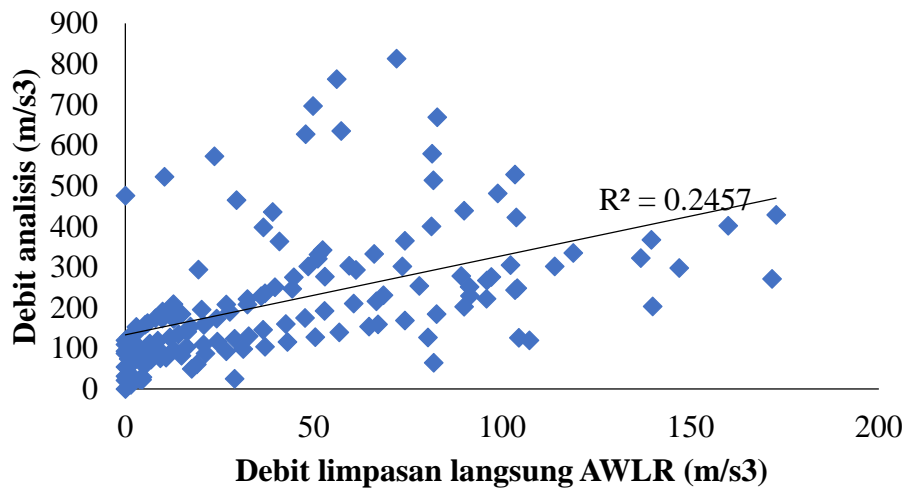
Kondisi	R^2
1	0.119
2	0.316
3	0.672

Lampiran 46. Grafik Nilai Kesesuaian (R^2) Metode *Nakayasu* Asli

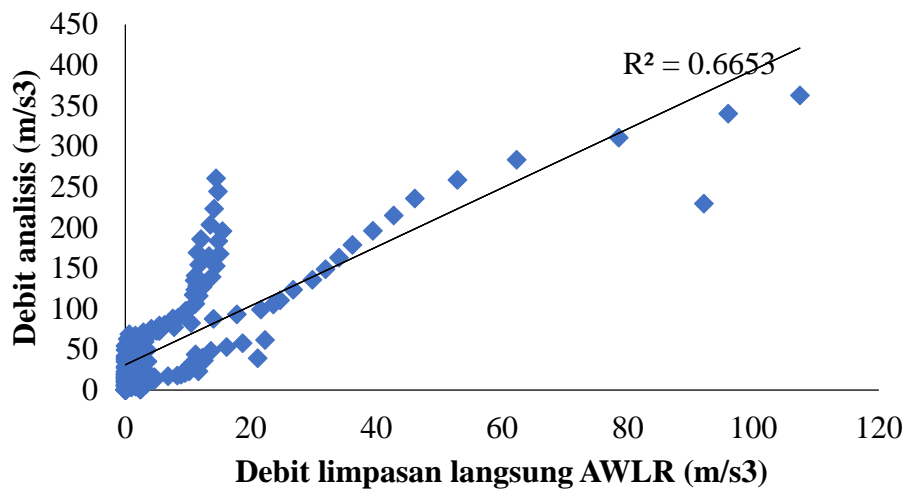
Tanggal 1-7 Januari 2012



Tanggal 8-13 Januari 2012

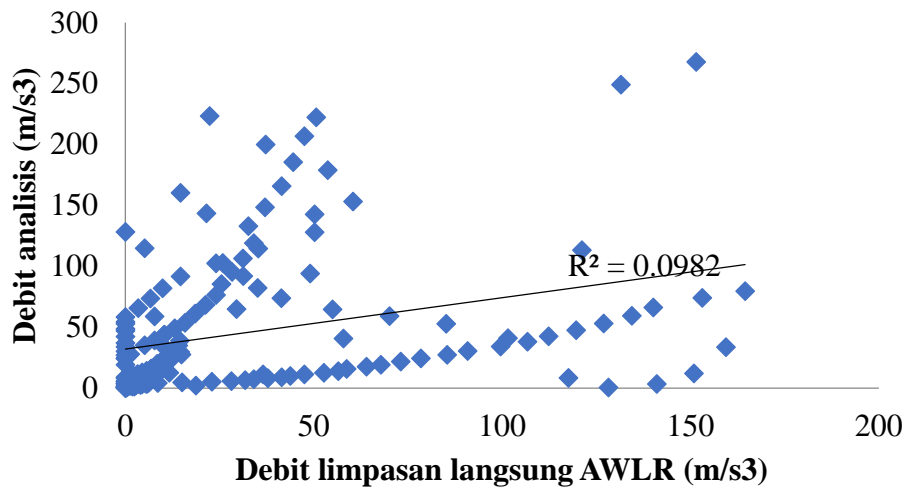


Tanggal 20-26 Januari 2012

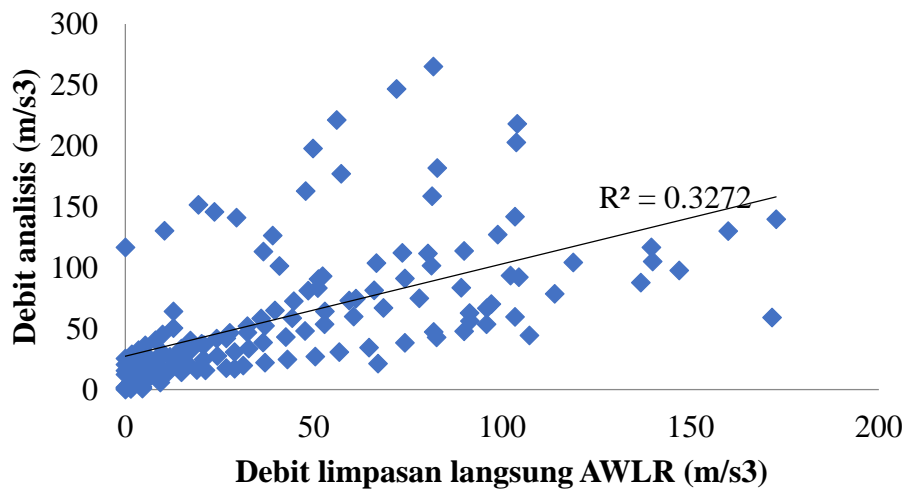


Lampiran 47. Grafik Nilai Kesesuaian (R^2) Metode *Nakayasu* Modifikasi

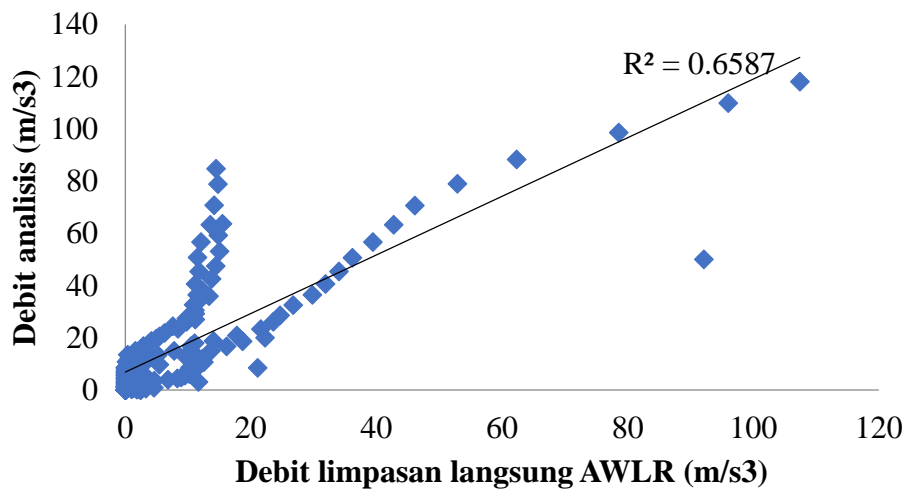
Tanggal 1-7 Januari 2012



Tanggal 8-13 Januari 2012

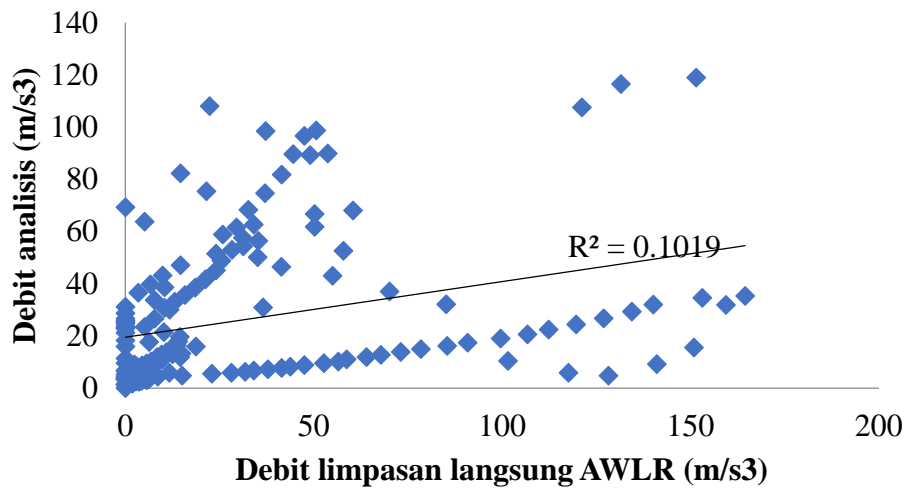


Tanggal 20-26 Januari 2012

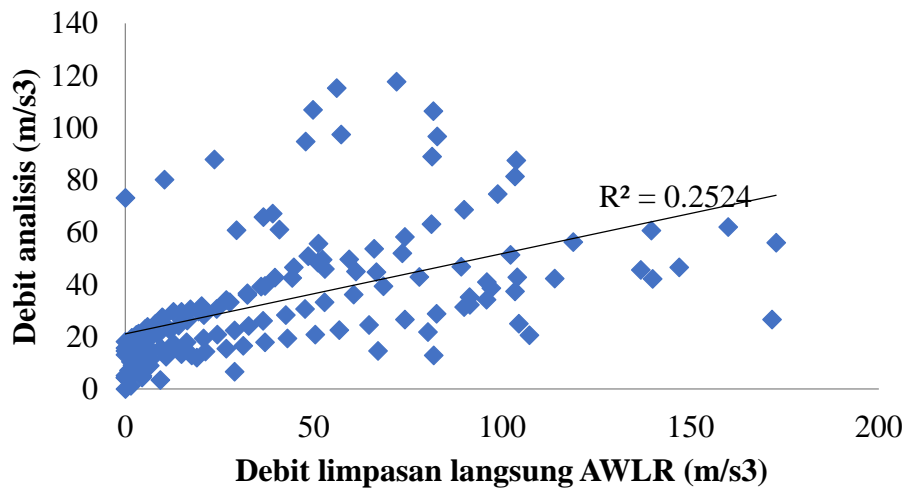


Lampiran 48. Grafik Nilai Kesesuaian (R^2) Metode ITB-2 Asli

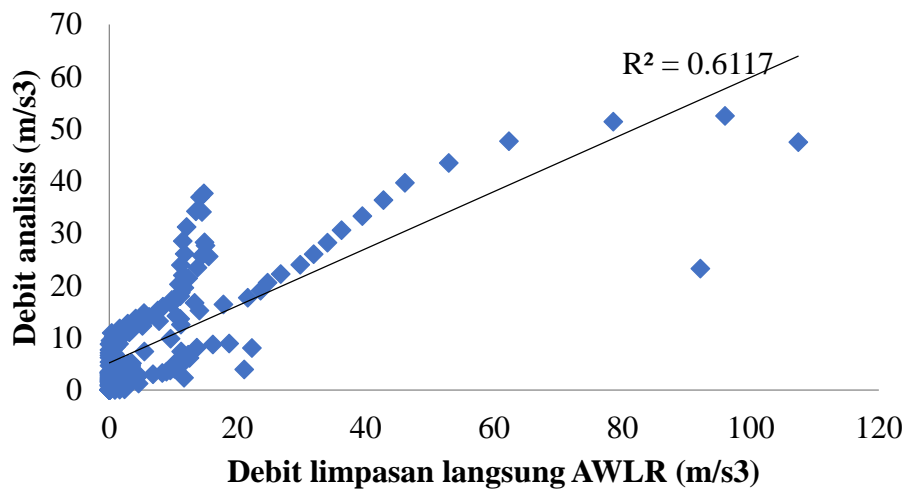
Tanggal 1-7 Januari 2012



Tanggal 8-13 Januari 2012

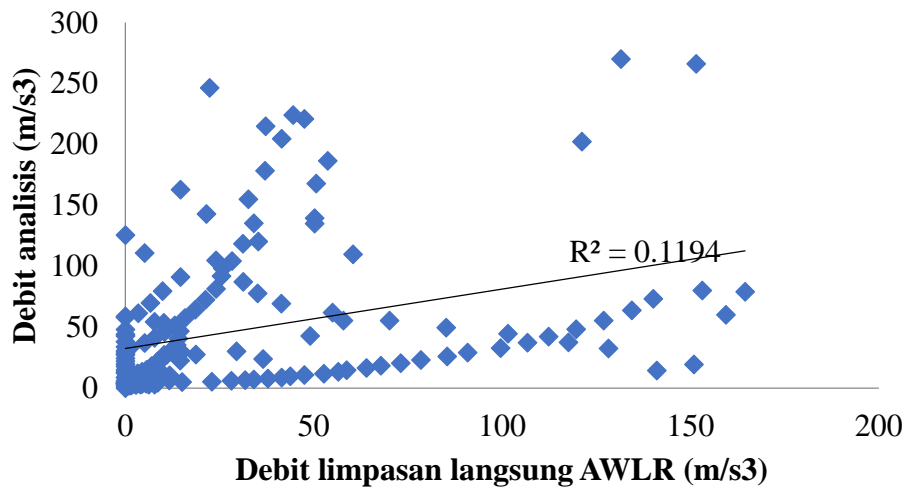


Tanggal 20-26 Januari 2012

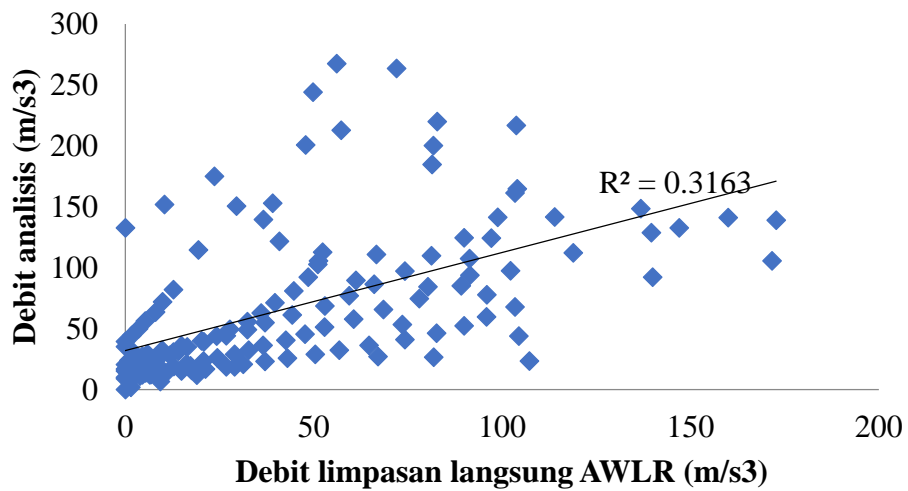


Lampiran 49. Grafik Nilai Kesesuaian (R^2) Metode ITB-2 Modifikasi

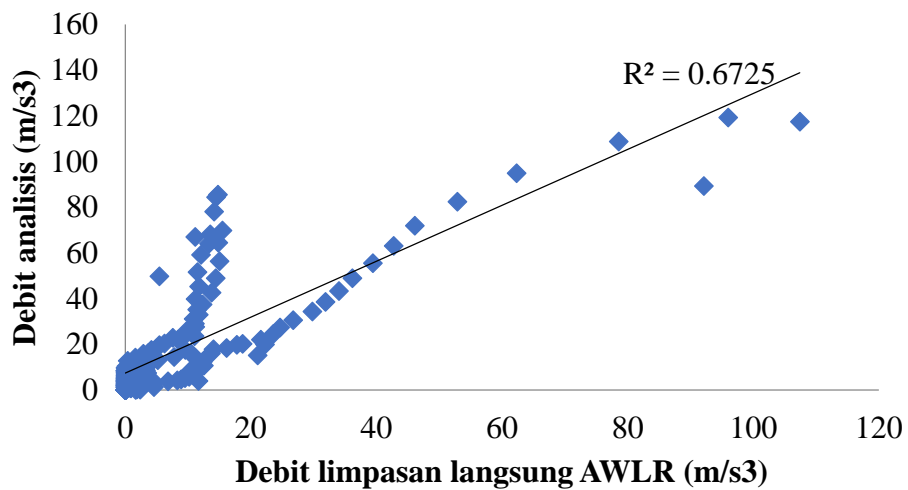
Tanggal 1-7 Januari 2012



Tanggal 8-13 Januari 2012



Tanggal 20-26 Januari 2012



Lampiran 50. Data Debit Banjir Metode *Nakayasu* Modifikasi 2 Tanggal 20-26 Januari 2012

Tanggal	t (Jam)	Q_{tot} (m ³ /s)	Tanggal	t (Jam)	Q_{tot} (m ³ /s)	
20-Jan	0	0		16	15.04056	
	1	0		17	41.94667	
	2	0		17.0816	85.89605	
	3	0		18	99.26283	
	4	0		19	93.64866	
	5	0		20	85.51062	
	6	0		21	77.96458	
	7	0		22	71.08446	
	8	0		23	64.81149	
	9	0		24	59.09209	
	10	0		22-Jan	1	53.8774
	11	0			2	49.1229
	12	0.00044533			3	44.78796
	13	0.01484815			4	40.83557
	14	0.15554332			5	37.23196
	15	0.83971566			6	33.94636
	16	3.02791584			7	30.41421
17	8.44456547		8		28.21941	
17.0816	17.2923116		9		25.72914	
18	19.9433544		10		23.45862	
19	18.5588219		11		21.38848	
20	16.6412231		12		19.14432	
21	14.894915		13		15.46727	
22	13.3318622		14		13.39397	
23	11.932834		15		11.98843	
24	10.6806181		16	10.73038		
21-Jan	1	9.55980805	17	8.557066		
	2	8.55661434	18	2.051072		
	3	7.65869446	19	1.374734		
	4	6.85500112	20	3.471959		
	5	6.1356463	21	6.829927		
	6	5.49177963	22	11.60952		
	7	4.81242941	22.0816	16.99947		
	8	4.39965552	23	18.46915		
	9	3.93796144	24	17.93654		
	10	3.52471694	23-Jan	1	17.13898	
	11	3.15483777		2	16.36529	
	12	2.50938356		3	15.62652	
	13	0.59283957		4	14.9211	
	14	0.92092741		5	14.24753	
	15	4.97171579		6	13.60436	

Tanggal	t (Jam)	Q_{tot} (m ³ /s)
	7	12.99023
	8	12.40382
	9	11.84389
	10	11.30923
	11	10.7987
	12	10.22362
	13	9.845752
	14	9.401292
	15	8.976896
	16	8.571659
	17	8.184714
	18	7.815238
	19	7.46244
	20	7.125568
	21	6.021443
	22	1.569438
	23	1.182979
	24	2.597544
24-Jan	1	4.590378
	2	7.161483
	2.0816	9.871714
	3	10.58901
	4	10.29088
	5	9.854601
	6	9.430463
	7	9.02458
	8	8.636165
	9	8.264468
	10	7.908769
	11	7.568378
	12	7.242638
	13	6.930918
	14	6.632614
	15	6.347149
	16	6.024869
	17	5.812549
	18	5.562379
	19	5.322976
	20	5.093878
	21	4.874639
	22	4.664836
	23	4.464064
	24	4.271932

Tanggal	t (Jam)	Q_{tot} (m ³ /s)
25-Jan	1	4.08807
	2	3.455666
	3	0.850839
	4	0.503899
	5	1.106445
	6	1.955309
	7	3.050492
	7.0816	4.204937
	8	4.423211
	9	3.745369
	10	2.98535
	11	2.369674
	12	1.88097
	13	1.493053
	14	1.185137
	15	0.940723
	16	0.746715
	17	0.592718
	18	0.470481
	19	0.373452
	20	0.296434
	21	0.224506
	22	0.186773
	23	0.148255
	24	0.11768
26-Jan	1	0.09341
	2	0.074146
	3	0.025631
	4	0.243096
	5	0.829508
	6	1.821406
	7	3.218788
	8	5.021655
	8.0816	6.922077
	9	7.321116
	10	6.451116
	11	5.426559
	12	4.550932
	13	3.816596
	14	3.200752
	15	2.684281
	16	2.251147
	17	1.887903

Tanggal	t (Jam)	Q_{tot} (m ³ /s)
	18	1.583272
	19	1.327796
	20	1.113543

Tanggal	t (Jam)	Q_{tot} (m ³ /s)
	21	0.933863
	22	0.756401
	23	0.656802
	24	0.550821

Lampiran 51. Data Debit Banjir Metode ITB-2 Modifikasi 2 Tanggal 20-26 Januari 2012

Tanggal	t (Jam)	Q_{tot} (m ³ /s)	Tanggal	t (Jam)	Q_{tot} (m ³ /s)	
20-Jan	0	0		16	23.46097	
	1	0		16.471	50.8455	
	2	0		17	89.22759	
	3	0		18	117.4119	
	4	0		19	119.154	
	5	0		20	108.7394	
	6	0		21	94.82108	
	7	0		22	82.33191	
	8	0		23	71.85809	
	9	0		24	62.99249	
	10	0		22-Jan	1	55.43086
	11	0			2	48.94005
	12	0			3	43.33781
	13	0.04566219			4	38.47943
	14	0.29686431			5	34.24843
	15	1.2445142			6	30.55001
16	3.92359738		7		27.30626	
16.471	8.5877319		8		24.45266	
17	15.0704119		9		21.93531	
18	19.8307066		10		19.70898	
19	20.1249451		11		17.73541	
20	18.365937		12		15.98213	
21	16.0151436		13		14.42143	
22	13.9057421		14		13.02954	
23	12.1367287		15		11.78604	
24	10.6393416		16	10.67328		
21-Jan	1	9.36219296	17	9.675972		
	2	8.2659035	18	8.17911		
	3	7.31969442	19	6.938567		
	4	6.49912121	20	2.216895		
	5	5.78451084	21	1.164302		
	6	5.15985212	21.471	0.76973		
	7	4.61198842	22	3.18133		
	8	4.13001836	23	5.349803		
	9	3.70484295	24	17.8203		
	10	3.32881831	23-Jan	1	19.90997	
	11	2.99548575		2	20.78305	
	12	2.6993596		3	19.35939	
	13	2.54009757		4	18.13873	
	14	3.66774735		5	17.17791	
	15	7.9519762		6	16.57493	

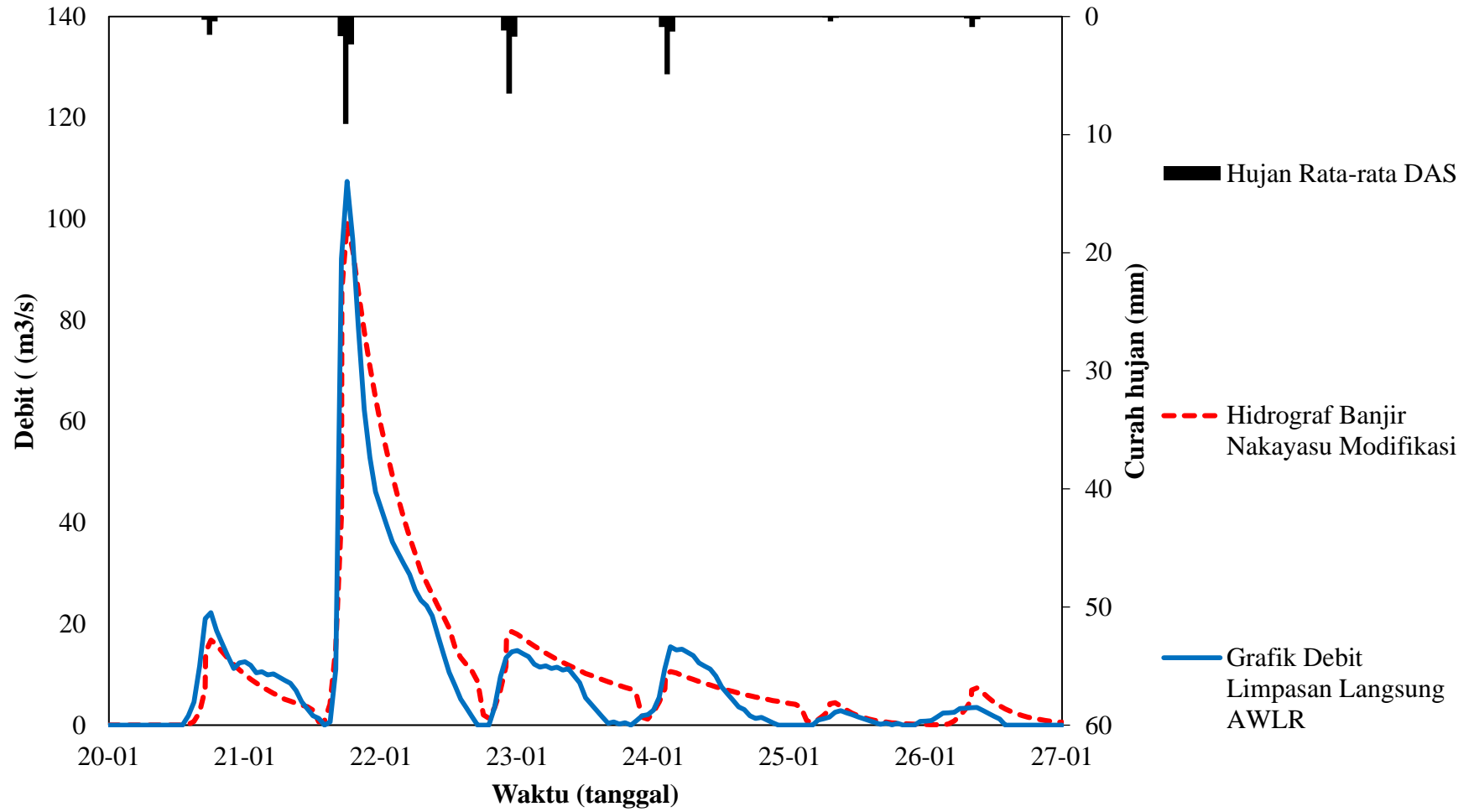
Tanggal	t (Jam)	Q_{tot} (m ³ /s)
	7	15.6715
	8	14.77647
	9	13.87104
	10	13.03777
	11	12.26889
	12	11.55775
	13	10.89863
	14	10.28657
	15	9.717212
	16	9.186734
	17	8.691757
	18	8.229278
	19	7.796622
	20	7.39139
	21	6.480633
	22	5.708958
	23	1.784336
	24	0.828598
24-Jan	0.471	0.296101
	1	1.658225
	2	2.845203
	3	10.57542
	4	12.63734
	5	13.71626
	6	12.85401
	7	12.07129
	8	11.37856
	9	10.76268
	10	10.32372
	11	9.957079
	12	9.501291
	13	9.026396
	14	8.547615
	15	8.102077
	16	7.686636
	17	7.298551
	18	6.935419
	19	6.595119
	20	6.275771
	21	5.975698
	22	5.693399
	23	5.427528
	24	5.176868

Tanggal	t (Jam)	Q_{tot} (m ³ /s)
25-Jan	1	4.940319
	2	4.384326
	3	3.907324
	4	1.44392
	5	0.59175
	5.471	0.020767
	6	0.126571
	7	0.217325
	8	0.830661
	9	0.941663
	10	0.995724
	11	0.934871
	12	0.879505
	13	0.828982
	14	0.785762
	15	0.746141
	16	0.728334
	17	0.695386
	18	0.662928
	19	0.628686
	20	0.596772
	21	0.566967
	22	0.539084
	23	0.512955
	24	0.488435
26-Jan	1	0.465392
	2	0.000221
	3	0.001435
	4	0.006014
	5	0.01896
	5.471	0.044507
	6	0.271269
	7	0.465773
	8	1.780283
	9	2.018184
	10	2.134049
	11	2.003627
	12	1.884967
	13	1.776684
	14	1.684056
	15	1.599139
	16	1.560974
	17	1.490361

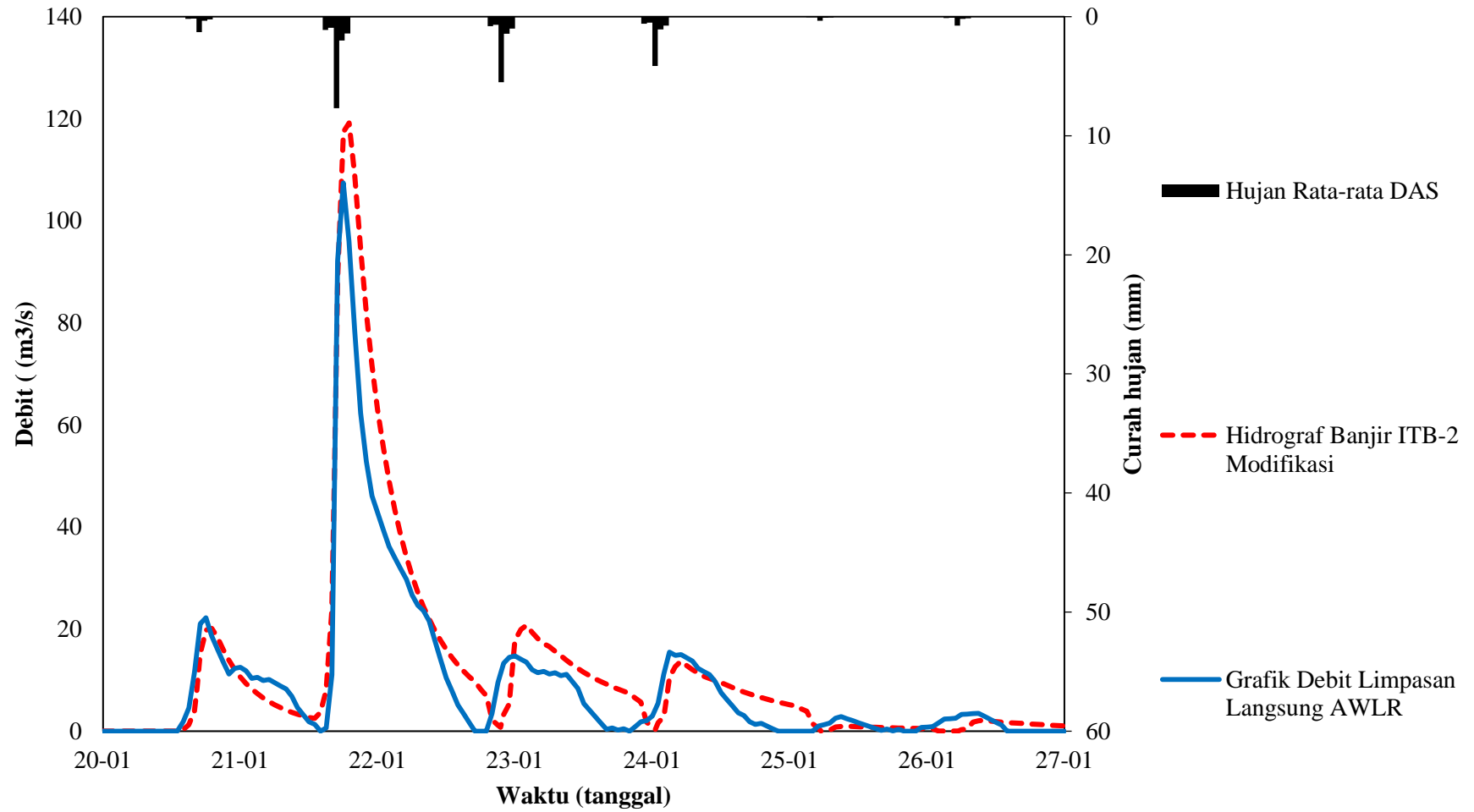
Tanggal	t (Jam)	Q_{tot} (m ³ /s)
	18	1.420797
	19	1.347409
	20	1.279009
	21	1.215132

Tanggal	t (Jam)	Q_{tot} (m ³ /s)
	22	1.155372
	23	1.099373
	24	1.04682

Lampiran 52. Hidrograf Banjir Metode *Nakayasu* Modifikasi 2 dan Grafik Limpasan Langsung AWLR Tanggal 20-26 Januari 2012



Lampiran 53. Hidrograf Banjir Metode ITB-2 Modifikasi 2 dan Grafik Limpasan Langsung AWLR Tanggal 20-26 Januari 2012



Lampiran 54. Nilai R^2 Metode *Nakayasu* dan ITB-2 Modifikasi 2 Tanggal 20-26 Januari 2012

Nilai R^2 Metode *Nakayasu* Modifikasi 2

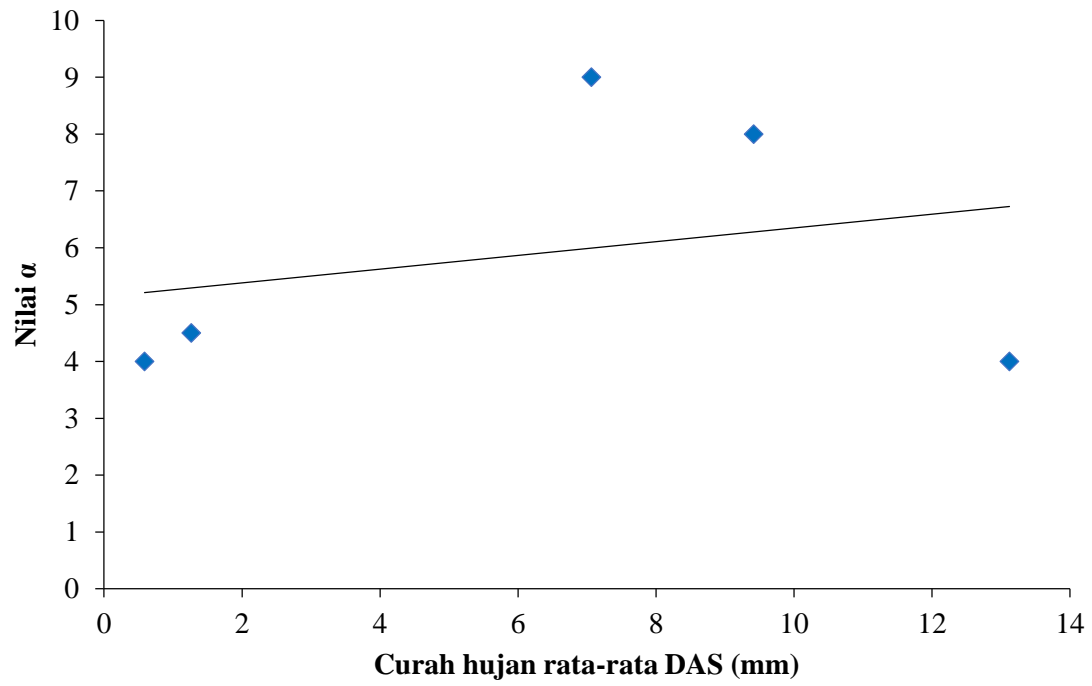
Tanggal	R^2
20	0.830
21	0.861
22	0.939
23	0.698
24	0.912
25	0.379
26	0.240

Nilai R^2 Metode ITB-2 Modifikasi 2

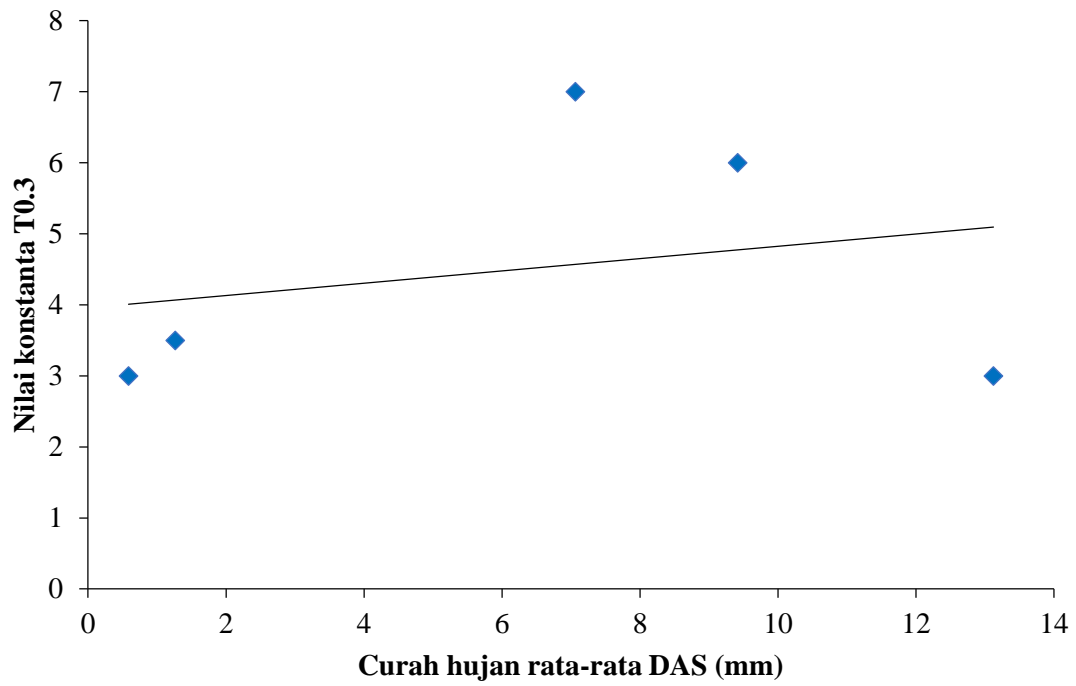
Tanggal	R^2
20	0.912
21	0.945
22	0.821
23	0.763
24	0.525
25	0.104
26	0.031

Lampiran 55. Grafik Parameter Kalibrasi Metode *Nakayasu*

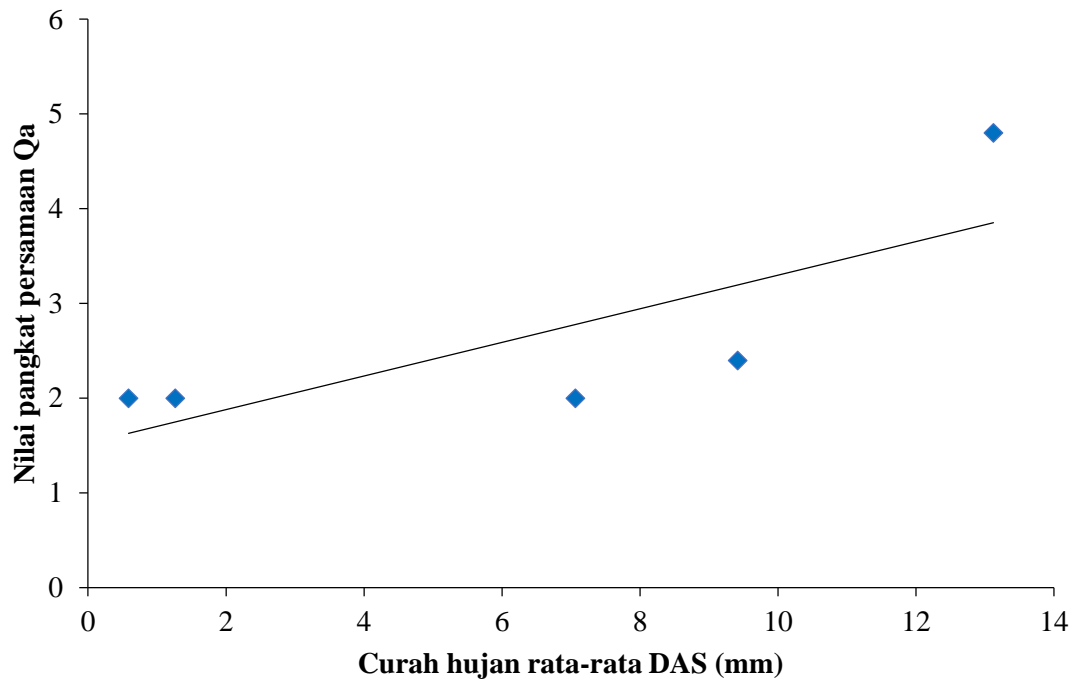
Grafik nilai parameter α



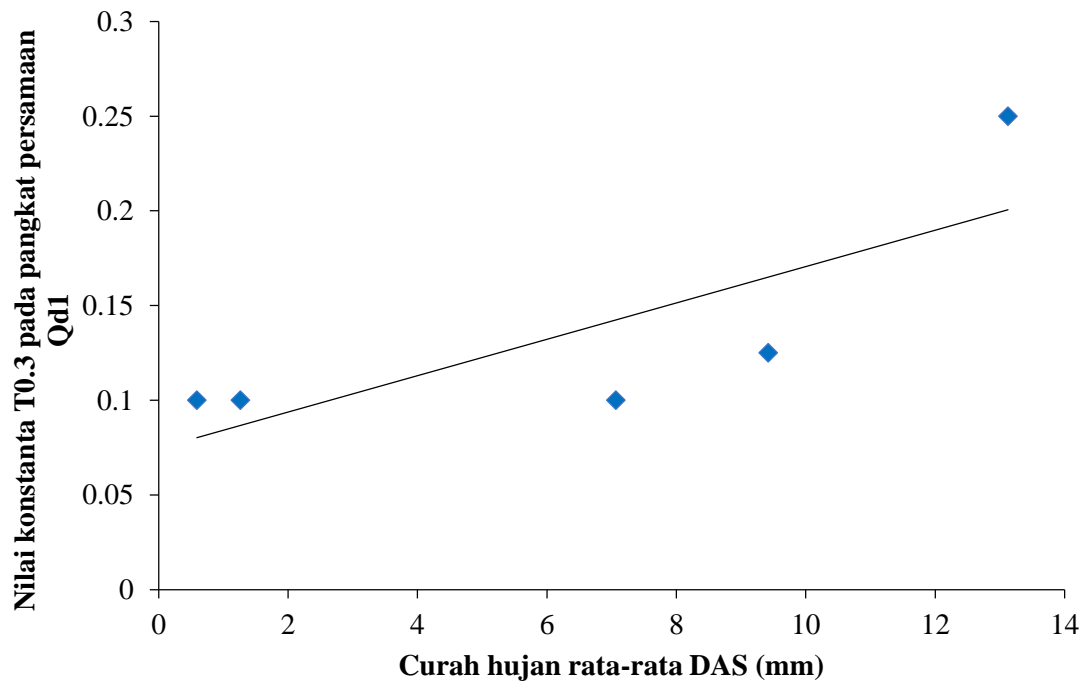
Grafik nilai konstanta $T_{0.3}$



Grafik nilai pangkat persamaan Q_a



Grafik nilai konstanta $T_{0.3}$ pada pangkat persamaan Q_{d1}



Lampiran 56. Grafik Parameter Kalibrasi Metode ITB-2

Grafik nilai konstanta T_L pada pangkat persamaan T_P

