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Lampiran 1 Data Curah Hujan Tahun 2001 Stasiun Tamangapa

TAHUN 2001

No.Stasiun	: 12/RB/EP/DPU/77		Koordinat	: 5°11'05"LS	119°29'24"BT
Stasiun	: **Tamangapa Kassi**		Elevasi	:	
Desa	: Manggala		DAS	: Tallo	
Kecamatan	: Tamangapa		Wilayah Sungai	: Jeneberang	
Kodya	: Makassar		Mulai berfungsi	: 9 Mei 1975	

Tanggal	Jan.	Peb.	Mar.	April	Mei	Juni	Juli	Agt.	Sept.	Okt.	Nop.	Des.
1	-	44	0	-	-	-	-	-	-	-	5	8
2	-	36	3	2	-	-	-	-	-	-	2	14
3	-	145	4	1	-	-	-	-	-	-	22	95
4	67	45	4	-	31	-	-	-	-	-	-	90
5	32	116	14	-	-	-	-	-	-	-	30	57
6	-	57	2	2	-	4	-	-	-	-	-	87
7	-	65	-	-	-	1	-	-	-	-	13	59
8	11	35	-	-	-	-	-	-	-	-	10	75
9	-	97	-	2	35	1	-	-	-	-	4	30
10	51	60	-	-	-	-	-	-	-	-	-	24
11	13	-	-	2	-	-	3	-	-	-	30	21
12	6	-	4	-	-	6	-	-	-	-	2	31
13	-	12	16	-	45	-	-	-	-	-	12	-
14	-	-	13	-	-	3	-	-	-	-	-	-
15	36	20	-	-	2	5	-	-	-	-	-	-

Tanggal	Jan.	Peb.	Mar.	April	Mei	Juni	Juli	Agt.	Sept.	Okt.	Nop.	Des.
16	22	25	-	2	-	-	-	-	-	-	27	-
17	18	50	2	2	-	-	-	-	-	-	8	4
18	9	54	2	-	-	-	-	-	-	-	-	28
19	-	2	6	-	-	3	-	-	-	-	4	-
20	7	-	3	2	26	2	-	-	-	-	16	-
21	-	7	5	2	-	-	-	-	-	-	-	-
22	-	8	-	1	-	2	-	-	-	-	14	-
23	42	-	-	1	-	-	-	-	-	-	-	-
24	-	-	-	0	-	-	-	-	-	-	-	-
25	40	-	-	0	-	-	-	-	-	75	17	-
26	-	-	-	1	-	-	-	-	-	-	51	7
27	-	-	-	-	-	-	-	-	-	-	28	55
28	-	-	-	-	-	-	-	-	-	11	-	50
29	-		-	-	-	-	-	-	-	-	-	30
30	39		-	-	14	-	-	-	-	-	14	2
31	-		-		7		-	-		-		30
Jml.Perbulan	393	878	78	20	160	27	3	-	-	86	309	797
Jml hari hujan	14	18	14	14	7	9	1	-	-	2	19	20
Hujan Max	67	145	16	2	45	6	3	-	-	75	51	95
Hujan Min	6	2	0	0	2	1	3	-	-	11	2	2
Rata-rata	28	49	6	1	23	3	3	-	-	43	16	40

Lampiran 2 Data Curah Hujan Tahun 2002 Stasiun Tamangapa

TAHUN 2002

No.Stasiun	: 12/RB/EP/DPU/77		Koordinat	: 5º11'05"LS	119º29'24"BT
Stasiun	: **Tamangapa Kassi**		Elevasi	:	
Desa	: Manggala		DAS	: Tallo	
Kecamatan	: Tamangapa		Wilayah Sungai	: Jeneberang	
Kodya	: Makassar		Mulai berfungsi	: 9 Mei 1975	

Tanggal	Jan.	Peb.	Mar.	April	Mei	Juni	Juli	Agt.	Sept.	Okt.	Nop.	Des.
1	155	-	-	16	-	-	-	-	-	-	-	89
2	172	125	-	7	-	-	-	-	-	-	-	1
3	14	-	-	36	-	-	-	-	-	-	-	-
4	-	-	-	19	-	-	-	-	-	-	-	-
5	12	5	-	10	43	-	-	-	-	-	-	3
6	8	15	-	1	-	-	-	-	-	-	-	-
7	10	-	135	-	62	-	-	-	-	-	-	-
8	-	-	56	-	-	-	-	-	-	-	-	-
9	-	5	44	9	-	-	-	-	-	-	-	14
10	23	-	47	4	-	-	-	-	-	-	-	18
11	6	2	-	43	-	-	-	-	-	-	-	-
12	-	45	52	-	-	-	-	-	-	-	2	-
13	-	59	8	-	-	-	-	-	-	-	-	21
14	-	11	9	-	-	-	-	-	-	-	-	28
15	-	9	-	-	-	-	-	-	-	-	-	-
16	11	42	-	-	-	-	-	-	-	-	-	-

Tanggal	Jan.	Peb.	Mar.	April	Mei	Juni	Juli	Agt.	Sept.	Okt.	Nop.	Des.
17	54	48	-	-	-	-	-	-	-	-	-	-
18	24	8	-	17	-	-	-	-	-	-	-	-
19	38	-	25	-	-	-	-	-	-	-	42	-
20	35	-	25	-	-	-	-	-	-	-	-	-
21	-	31	-	-	-	-	-	-	-	-	-	25
22	18	-	-	6	-	-	-	-	-	-	58	-
23	-	-	-	-	-	-	-	-	-	-	-	-
24	26	-	-	8	-	-	-	-	-	-	-	6
25	-	-	-	-	-	-	-	-	-	-	4	4
26	47	-	-	-	-	-	-	-	-	-	-	-
27	-	-	35	-	-	-	-	-	-	-	52	-
28	-	48	14	-	-	-	-	-	-	-	-	-
29	18		155	-	-	-	-	-	-	-	3	13
30	-		-	-	-	-	-	-	-	-	-	-
31	38		-		-		-	-		-		47
Jml.Perbulan	709	453	605	176	105	-	-	-	-	-	161	269
Jml hari hujan	18	14	12	12	2	-	-	-	-	-	6	12
Hujan Max	172	125	155	43	62	-	-	-	-	-	58	89
Hujan Min	6	2	8	1	43	-	-	-	-	-	2	1
Rata-rata	39	32	50	15	53	-	-	-	-	-	27	22

Lampiran 3 Data Curah Hujan Tahun 2003 Stasiun Tamangapa

TAHUN 2003

No.Stasiun	: 12/RB/EP/DPU/77		Koordinat	: 5º11'05"LS	119º29'24"BT
Stasiun	: **Tamangapa Kassi**		Elevasi	:	
Desa	: Manggala		DAS	: Tallo	
Kecamatan	: Tamangapa		Wilayah Sungai	: Jeneberang	
Kodya	: Makassar		Mulai berfungsi	: 9 Mei 1975	

Tanggal	Jan.	Peb.	Mar.	April	Mei	Juni	Juli	Agt.	Sept.	Okt.	Nop.	Des.
1	36	16	2	4	-	-	-	-	-	-	-	
2	84	-	-	-	-	-	-	-	-	13	3	
3	66	29	-	-	-	-	-	-	-	10	4	
4	57	16	-	-	-	-	-	-	-	-	-	
5	23	17	14	6	-	-	-	-	-	-	-	
6	10	79	-	-	-	-	-	-	-	-	-	
7	-	22	-	11	-	-	-	-	-	-	-	
8	-	19	8	-	-	-	-	-	-	1	-	
9	-	-	-	-	-	-	-	-	-	-	-	
10	-	-	6	-	-	-	-	-	-	-	-	
11	107	36	25	-	-	-	-	-	-	-	-	
12	-	-	-	-	-	-	-	-	-	-	-	
13	47	-	-	67	-	-	-	-	-	-	16	
14	-	-	-	-	-	-	-	-	-	-	-	
15	-	-	-	-	-	-	-	-	-	-	-	
16	85	-	-	-	-	-	-	-	-	-	-	

Tanggal	Jan.	Peb.	Mar.	April	Mei	Juni	Juli	Agt.	Sept.	Okt.	Nop.	Des.
17	-	-	-	-	-	-	-	-	-	-	-	
18	13	22	7	-	-	-	-	-	-	-	-	
19	-	14	-	-	-	-	-	-	-	-	-	
20	2	-	-	-	-	-	-	-	-	-	-	
21	5	-	-	1	-	-	-	-	-	18	-	
22	16	-	-	-	-	-	-	-	-	-	34	
23	-	-	-	4	-	-	-	-	-	-	4	
24	16	-	20	-	-	-	-	-	-	-	-	
25	7	-	-	-	-	-	-	-	-	-	-	
26	-	2	-	1	-	-	-	-	-	-	-	
27	-	-	-	-	-	-	-	-	-	-	-	
28	-	-	-	-	-	-	-	-	-	-	41	
29	-		-	-	-	-	-	-	-	-	21	
30	1		-	-	-	-	-	-	-	-	8	
31	-		-		-		-	-		-		
Jml.Perbulan	575	272	82	94	-	-	-	-	-	42	131	
Jml hari hujan	16	11	7	7	-	-	-	-	-	4	8	
Hujan Max	107	79	25	67	-	-	-	-	-	18	41	
Hujan Min	1	2	2	1	-	-	-	-	-	1	3	
Rata-rata	36	25	12	13	-	-	-	-	-	11	16	

Lampiran 4 Data Curah Hujan Tahun 2004 Stasiun Tamangapa

TAHUN 2004

No.Stasiun	: 12/RB/EP/DPU/77		Koordinat	: 5°11'05"LS	119°29'24"BT
Stasiun	: **Tamangapa Kassi**		Elevasi	:	
Desa	: Manggala		DAS	: Tallo	
Kecamatan	: Tamangapa		Wilayah Sungai	: Jeneberang	
Kodya	: Makassar		Mulai berfungsi	: 9 Mei 1975	

Tanggal	Jan.	Peb.	Mar.	April	Mei	Juni	Juli	Agt.	Sept.	Okt.	Nop.	Des.
1	55	11	2	27	-	-	-	-	-	-	-	-
2	23	-	-	15	-	2	-	-	-	-	-	24
3	40	27	-	-	-	-	-	-	-	-	-	-
4	-	69	28	-	-	-	-	-	-	-	-	-
5	-	80	31	26	-	-	-	-	-	-	-	-
6	10	22	32	-	-	2	-	-	-	-	-	-
7	34	46	-	-	-	-	-	-	-	-	-	-
8	8	73	16	-	29	-	-	-	-	-	-	-
9	-	40	20	-	28	-	-	-	-	-	-	3
10	-	3	80	-	10	-	-	-	-	-	-	-
11	-	-	7	-	-	-	-	-	-	-	-	-
12	-	5	9	-	-	-	-	-	-	-	-	-
13	-	73	28	-	-	-	-	-	-	-	-	-
14	19	-	-	-	-	-	-	-	-	-	-	-
15	-	8	-	-	-	3	-	-	-	-	-	-

Tanggal	Jan.	Peb.	Mar.	April	Mei	Juni	Juli	Agt.	Sept.	Okt.	Nop.	Des.
16	-	-	38	-	-	-	-	-	-	-	-	-
17	7	-	40	-	-	-	-	-	-	-	-	-
18	-	40	-	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-	-	-	-	-	2
20	-	-	-	-	-	-	-	-	-	-	-	-
21	93	-	-	-	-	-	-	-	-	-	-	9
22	-	-	-	-	-	-	-	-	-	-	-	11
23	-	6	-	-	-	-	-	-	-	-	-	-
24	6	-	19	-	-	-	-	-	-	-	-	6
25	-	13	-	12	-	-	-	-	-	-	-	36
26	34	9	-	23	11	-	-	-	-	-	-	-
27	10	-	-	-	-	-	-	-	-	-	3	52
28	-	18	-	-	-	-	-	-	-	-	-	43
29	4	-	-	-	-	-	-	-	-	-	-	47
30	16		-	40	-	-	-	-	-	-	-	33
31	9		25		25		-	-		-		21
Jml.Perbulan	368	543	375	143	103	7	-	-	-	-	3	287
Jml hari hujan	15	17	14	6	5	3	-	-	-	-	1	12
Hujan Max	93	80	80	40	29	3	-	-	-	-	3	52
Hujan Min	4	3	2	12	10	2	-	-	-	-	3	2
Rata-rata	25	32	27	24	21	2	-	-	-	-	3	24

Lampiran 5 Data Curah Hujan Tahun 2005 Stasiun Tamangapa

TAHUN 2005

No.Stasiun	: 12/RB/EP/DPU/77		Koordinat	: 5°11'05"LS	119°29'24"BT
Stasiun	: **Tamangapa Kassi**		Elevasi	:	
Desa	: Manggala		DAS	: Tallo	
Kecamatan	: Tamangapa		Wilayah Sungai	: Jeneberang	
Kodya	: Makassar		Mulai berfungsi	: 9 Mei 1975	

Tanggal	Jan.	Peb.	Mar.	April	Mei	Juni	Juli	Agt.	Sept.	Okt.	Nop.	Des.
1	6	1	10	17	-	-	-	-	-		-	-
2	8	-	-	-	-	-	-	-	-		-	22
3	-	61	2	19	-	-	-	-	-		-	5
4	-	-	19	-	-	-	-	-	-		26	2
5	9	-	15	6	-	-	-	-	-		-	-
6	14	15	1	-	-	-	-	-	-		1	-
7	80	-	-	-	-	-	-	-	-		4	-
8	-	-	-	21	-	-	-	-	-		52	7
9	26	-	34	-	-	-	-	-	-		-	-
10	-	79	-	23	-	-	-	-	-		-	-
11	20	-	-	20	-	-	-	-	-		-	-
12	22	-	-	25	-	-	-	-	-		7	1
13	-	-	-	-	-	-	-	-	-		-	9
14	33	-	-	-	-	-	-	-	-		-	28
15	37	-	13	-	-	-	-	-	-		-	53

Tanggal	Jan.	Peb.	Mar.	April	Mei	Juni	Juli	Agt.	Sept.	Okt.	Nop.	Des.
16	40	-	-	-	-	-	-	-	-		-	26
17	26	-	-	7	-	-	-	-	-		5	6
18	-	-	-	-	-	-	-	-	-		-	11
19	53	-	-	5	-	-	-	-	-		8	24
20	-	-	-	-	-	-	-	-	-		17	98
21	-	-	-	-	-	-	-	-	-		-	29
22	-	-	-	11	-	-	-	-	-		9	11
23	-	-	2	-	-	-	-	-	-		21	-
24	3	-	2	-	-	-	-	-	-		3	-
25	-	-	96	-	-	-	-	-	-		-	35
26	-	-	6	-	15	-	-	-	-		-	40
27	2	2	5	-	-	14	-	-	-		-	16
28	-	-	40	-	-	8	-	-	-		-	27
29	40		1	-	-	-	-	-	-		-	-
30	-		2	-	-	-	-	-	-		14	12
31	-		-		-		-	-				-
Jml.Perbulan	419	158	248	154	15	22	-	-	-	-	167	462
Jml hari hujan	16	5	15	10	1	2	-	-	-	-	12	20
Hujan Max	80	79	96	25	15	14	-	-	-	-	52	98
Hujan Min	2	1	1	5	15	8	-	-	-	-	1	1
Rata-rata	26	32	17	15	15	11	-	-	-	-	14	23

Lampiran 6 Data Curah Hujan Tahun 2006 Stasiun Tamangapa

TAHUN 2006

No.Stasiun	: 12/RB/EP/DPU/77		Koordinat	: 5º11'05"LS	119º29'24"BT
Stasiun	: **Tamangapa Kassi**		Elevasi	:	
Desa	: Manggala		DAS	: Tallo	
Kecamatan	: Tamangapa		Wilayah Sungai	: Jeneberang	
Kodya	: Makassar		Mulai berfungsi	: 9 Mei 1975	

Tanggal	Jan.	Peb.	Mar.	April	Mei	Juni	Juli	Agt.	Sept.	Okt.	Nop.	Des.
1		-	21	25	-	-	-	-	-	-	-	-
2		-	78	58	-	5	-	-	-	-	-	-
3		-	-	4	-	13	-	-	-	-	-	-
4		20	-	-	-	-	-	-	-	-	-	-
5		17	33	-	-	4	4	-	-	-	-	-
6		-	25	-	-	-	-	-	-	-	-	7
7		-	16	12	30	-	-	-	-	-	-	-
8		13	22	-	-	-	-	-	-	-	-	-
9		8	-	-	-	-	-	-	-	-	-	2
10		-	-	29	-	-	-	-	-	-	-	-
11		-	-	-	-	-	-	-	-	-	-	9
12		-	34	-	-	-	-	-	-	-	-	8
13		-	-	32	-	-	-	-	-	-	-	5
14		-	-	-	-	-	-	-	-	-	-	-
15		-	-	-	-	-	-	-	-	-	-	-
16		-	-	-	-	-	-	-	-	-	-	-

Tanggal	Jan.	Peb.	Mar.	April	Mei	Juni	Juli	Agt.	Sept.	Okt.	Nop.	Des.
17		36	-	-	-	-	-	-	-	-	-	-
18		3	-	26	-	-	-	-	-	-	-	4
19		72	-	-	-	-	-	-	-	-	-	-
20		25	3	35	-	27	-	-	-	-	-	-
21		-	54	-	-	-	-	-	-	-	-	30
22		20	-	67	-	-	-	-	-	-	6	-
23		43	-	-	-	-	2	-	-	-	-	18
24		24	-	-	-	-	-	-	-	-	-	-
25		40	-	39	-	-	-	-	-	-	-	-
26		-	-	-	-	-	-	-	-	-	-	8
27		98	102	-	-	-	-	-	-	-	1	-
28		39	3	-	-	-	-	-	-	-	7	-
29			8	-	-	-	-	-	-	-	-	14
30			6	-	-	-	-	-	-	-	-	107
31			3		-		-	-		-		42
Jml.Perbulan		458	408	327	30	49	6	-	-	-	14	254
Jml hari hujan		14	14	10	1	4	2	-	-	-	3	12
Hujan Max		98	102	67	30	27	4	-	-	-	7	107
Hujan Min		3	3	4	30	4	2	-	-	-	1	2
Rata-rata		33	29	33	30	12	3	-	-	-	5	21

Lampiran 7 Data Curah Hujan Tahun 2007 Stasiun Tamangapa

TAHUN 2007

No.Stasiun	: 12/RB/EP/DPU/77		Koordinat	: 5°11'05"LS	119°29'24"BT
Stasiun	: **Tamangapa Kassi**		Elevasi	:	
Desa	: Manggala		DAS	: Tallo	
Kecamatan	: Tamangapa		Wilayah Sungai	: Jeneberang	
Kodya	: Makassar		Mulai berfungsi	: 9 Mei 1975	

Tanggal	Jan.	Peb.	Mar.	April	Mei	Juni	Juli	Agt.	Sept.	Okt.	Nop.	Des.
1	99	57	1	-				-	-	-	2	-
2	101	98	-	-				-	-	-	-	9
3	80	83	-	-				-	-	-	-	10
4	40	10	-	5				-	-	-	-	4
5	3	7	2	-				-	-	-	-	6
6	-	40	-	-				-	-	-	-	1
7	-	-	-	-				-	-	-	3	3
8	-	31	-	-				-	-	-	2	4
9	-	26	3	2				-	-	-	5	8
10	-	-	-	-				-	-	-	-	7
11	-	-	-	11				-	-	-	-	15
12	1	-	-	-				-	-	-	-	11
13	3	-	1	-				-	-	-	-	22
14	4	-	2	-				-	-	-	-	2
15	7	-	-	-				-	-	-	-	-

Tanggal	Jan.	Peb.	Mar.	April	Mei	Juni	Juli	Agt.	Sept.	Okt.	Nop.	Des.
16	11	-	3	8				-	-	-	-	13
17	8	20	-	-				-	-	-	-	4
18	5	-	-	4				-	-	-	7	80
19	22	-	-	-				-	-	-	7	96
20	-	5	-	4				-	-	-	18	120
21	-	-	-	-				-	-	-	-	70
22	6	-	4	5				-	-	-	-	21
23	-	1	12	-				-	-	-	-	27
24	13	-	6	2				-	-	-	9	3
25	12	-	-	3				-	-	-	-	80
26	-	-	32	6				-	-	-	-	63
27	-	-	-	26				-	-	-	16	40
28	17	-	-	-				-	-	-	-	44
29	19		-	-				-	-	-	21	-
30	20		-	-				-	-	-	19	27
31	70		-					-		-		26
Jml.Perbulan	541	378	66	76				-	-	-	109	816
Jml hari hujan	20	11	10	11				-	-	-	11	28
Hujan Max	101	98	32	26				-	-	-	21	120
Hujan Min	1	1	1	2				-	-	-	2	1
Rata-rata	27	34	7	7				-	-	-	10	29

Lampiran 8 Data Curah Hujan Tahun 2008 Stasiun Tamangapa

TAHUN 2008

No.Stasiun	: 12/RB/EP/DPU/77		Koordinat	: 5º11'05"LS	119º29'24"BT
Stasiun	: **Tamangapa Kassi**		Elevasi	:	
Desa	: Manggala		DAS	: Tallo	
Kecamatan	: Tamangapa		Wilayah Sungai	: Jeneberang	
Kodya	: Makassar		Mulai berfungsi	: 9 Mei 1975	

Tanggal	Jan.	Peb.	Mar.	April	Mei	Juni	Juli	Agt.	Sept.	Okt.	Nop.	Des.
1	20	-	20	-	-	-	-	-	-	-	6	-
2	78	-	83	-	14	-	-	-	-	-	-	-
3	89	137	-	-	-	-	-	-	-	-	-	11
4	2	24	20	-	20	-	4	-	-	-	35	-
5	40	133	46	-	-	-	-	-	-	5	-	-
6	25	31	94	-	-	-	-	-	-	-	3	5
7	9	40	-	-	-	-	-	-	-	-	3	4
8	-	-	-	-	-	-	-	-	-	-	-	-
9	17	17	-	-	-	-	-	-	-	-	-	2
10	14	28	-	-	-	25	-	-	-	-	4	47
11	36	32	-	-	-	-	-	-	-	36	30	10
12	41	65	-	-	-	5	-	-	-	24	-	50
13	-	-	10	-	-	-	-	-	-	-	-	-
14	30	31	1	-	-	-	2	-	-	-	30	50
15	-	42	34	-	-	-	-	-	-	13	-	20

Tanggal	Jan.	Peb.	Mar.	April	Mei	Juni	Juli	Agt.	Sept.	Okt.	Nop.	Des.
16	35	-	-	-	-	-	-	-	-	-	-	-
17	52	70	-	-	-	4	-	-	-	-	2	25
18	43	20	-	-	-	-	-	-	-	-	5	66
19	-	-	-	-	-	-	-	-	-	-	3	68
20	16	36	-	-	-	-	-	-	-	-	-	76
21	-	35	-	-	-	-	-	-	-	2	7	21
22	-	60	20	-	-	-	-	-	-	-	-	8
23	-	-	-	-	-	-	-	-	-	-	-	20
24	-	-	-	-	-	-	-	-	-	-	22	-
25	-	11	24	-	-	-	-	-	-	-	-	-
26	-	16	-	-	-	-	-	-	-	-	25	31
27	-	-	-	-	-	-	-	-	-	10	18	-
28	-	-	-	-	-	-	-	-	-	-	-	-
29	-	6	-	-	7	-	-	-	-	-	-	8
30	3		-	-	-	-	-	-	-	-	-	50
31	-		57		-		-	-		-		82
Jml.Perbulan	550	834	409	-	41	34	6	-	-	90	193	654
Jml hari hujan	17	19	11	-	3	3	2	-	-	6	14	20
Hujan Max	89	137	94	-	20	25	4	-	-	36	35	82
Hujan Min	2	6	1	-	7	4	2	-	-	2	2	2
Rata-rata	32	44	37	-	14	11	3	-	-	15	14	33

Lampiran 9 Data Curah Hujan Tahun 2009 Stasiun Tamangapa

TAHUN 2009

No.Stasiun	: 12/RB/EP/DPU/77		Koordinat	: 5°11'05"LS	119°29'24"BT
Stasiun	: **Tamangapa Kassi**		Elevasi	:	
Desa	: Manggala		DAS	: Tallo	
Kecamatan	: Tamangapa		Wilayah Sungai	: Jeneberang	
Kodya	: Makassar		Mulai berfungsi	: 9 Mei 1975	

Tanggal	Jan.	Peb.	Mar.	April	Mei	Juni	Juli	Agt.	Sept.	Okt.	Nop.	Des.
1	72	15	5	-	-	-	-	-		-	-	-
2	20	53	3	2	-	-	2	-		-	-	44
3	21	82	-	-	-	-	-	-		-	-	53
4	-	6	-	-	-	-	-	-		-	-	-
5	10	52	-	2	-	-	-	-		-	-	-
6	2	9	-	-	-	-	-	-		-	-	-
7	26	70	-	-	-	-	-	-		-	-	-
8	90	-	-	-	-	-	-	-		-	-	-
9	70	-	2	-	-	-	-	-		-	-	10
10	61	-	-	-	-	-	-	-		-	-	-
11	90	10	-	-	-	-	-	-		-	-	-
12	22	10	-	-	-	-	-	-		-	-	24
13	34	11	-	-	-	-	-	-		-	-	7
14	82	-	6	-	-	-	-	-		-	-	-
15	27	-	8	-	-	-	-	-		-	-	43
16	35	22	-	-	-	-	-	-		-	-	54

Tanggal	Jan.	Peb.	Mar.	April	Mei	Juni	Juli	Agt.	Sept.	Okt.	Nop.	Des.
17	90	27	15	-	-	-	-	-		-	-	63
18	60	7	20	-	-	-	-	-		-	-	50
19	65	-	23	8	-	-	-	-		-	-	40
20	28	-	13	2	-	-	-	-		-	-	79
21	30	-	-	-	-	-	-	-		-	-	27
22	-	46	-	2	-	-	-	-		-	-	-
23	-	11	2	1	-	-	-	-		-	-	-
24	19	22	-	-	-	-	-	-		-	-	-
25	-	43	-	-	-	-	-	-		-	-	-
26	-	42	-	-	-	-	-	-		-	-	6
27	30	40	-	-	-	-	-	-		-	-	5
28	60	36	-	-	-	-	-	-		-	-	-
29	17		-	-	-	-	-	-		-	-	-
30	15		-	-	-	-	-	-		-	-	-
31	40		-		-		-	-		-		-
Jml.Perbulan	1116	614	97	17	-	-	2	-		-	-	505
Jml hari hujan	26	20	10	6	-	-	1	-		-	-	14
Hujan Max	90	82	23	8	-	-	2	-		-	-	79
Hujan Min	2	6	2	1	-	-	2	-		-	-	5
Rata-rata	43	31	10	3	-	-	2	-		-	-	36

Lampiran 10 Data Curah Hujan Tahun 2010 Stasiun Tamangapa

TAHUN 2010

No.Stasiun	: 12/RB/EP/DPU/77		Koordinat	: 5º11'05"LS	119º29'24"BT
Stasiun	: **Tamangapa Kassi**		Elevasi	:	
Desa	: Manggala		DAS	: Tallo	
Kecamatan	: Tamangapa		Wilayah Sungai	: Jeneberang	
Kodya	: Makassar		Mulai berfungsi	: 9 Mei 1975	

Tanggal	Jan.	Peb.	Mar.	April	Mei	Juni	Juli	Agt.	Sept.	Okt.	Nop.	Des.
1	-	-	-	33	-	-	-	-	-	-	-	2
2	-	11	-	-	4	-	-	-	-	-	32	5
3	2	12	-	-	-	-	-	-	-	-	34	13
4	1	9	50	2	-	-	-	-	-	-	48	-
5	38	-	-	-	3	-	16	-	2	-	-	16
6	40	20	-	-	20	-	-	0	59	-	50	10
7	77	14	-	-	2	-	-	3	74	-	26	8
8	5	-	-	-	1	5	-	-	-	-	-	22
9	29	-	18	36	9	-	-	-	-	-	37	23
10	14	-	-	-	25	-	-	-	-	-	15	-
11	40	34	66	-	-	42	-	2	-	-	32	30
12	11	60	10	13	50	-	5	-	-	-	16	39
13	13	-	-	17	40	-	-	-	-	-	-	-
14	80	-	-	-	7	-	-	2	-	-	24	10
15	11	13	-	-	16	30	-	-	-	-	7	-
16	-	-	-	-	-	-	-	11	-	-	43	-

Tanggal	Jan.	Peb.	Mar.	April	Mei	Juni	Juli	Agt.	Sept.	Okt.	Nop.	Des.
17	62	2	-	10	-	-	-	-	-	-	-	-
18	12	1	-	37	-	-	2	-	10	-	23	-
19	50	-	-	-	-	-	-	7	-	2	20	10
20	50	13	-	43	-	29	-	-	-	0	44	28
21	80	2	47	33	-	-	-	-	-	-	10	22
22	25	-	-	-	20	-	-	2	-	3	8	-
23	-	-	-	-	18	-	-	-	3	-	-	-
24	-	-	-	-	-	24	8	8	-	-	-	20
25	2	1	25	-	-	11	-	-	-	6	-	15
26	3	36	-	30	22	-	11	-	-	11	-	30
27	-	2	-	10	-	9	-	-	-	60	7	31
28	6	-	45	-	22	-	-	-	-	-	12	18
29	9		44	39	-	-	-	3	7	-	30	69
30	-		-	-	-	-	2	-	-	2	30	11
31	43		21		5		-	-		9		7
Jml.Perbulan	703	230	326	303	264	150	44	38	155	93	548	439
Jml hari hujan	24	15	9	12	16	7	6	9	6	8	21	22
Hujan Max	80	60	66	43	50	42	16	11	74	60	50	69
Hujan Min	1	1	10	2	1	5	2	0	2	0	7	2
Rata-rata	29	15	36	25	17	21	7	4	26	12	26	20

Lampiran 11 Data Curah Hujan Tahun 2011 Stasiun Tamangapa

TAHUN 2011

No.Stasiun	: 12/RB/EP/DPU/77		Koordinat	: 5°11'05"LS	119°29'24"BT
Stasiun	: **Tamangapa Kassi**		Elevasi	:	
Desa	: Manggala		DAS	: Tallo	
Kecamatan	: Tamangapa		Wilayah Sungai	: Jeneberang	
Kodya	: Makassar		Mulai berfungsi	: 9 Mei 1975	

Tanggal	Jan.	Peb.	Mar.	April	Mei	Juni	Juli	Agt.	Sept.	Okt.	Nop.	Des.
1	-	65	71	39	14	-	-	-	-	-	5	-
2	-	13	45	90	21	-	-	-	-	-	2	31
3	-	14	8	97	19	-	-	-	-	-	-	-
4	-	22	-	73	2	-	-	-	-	-	11	20
5	-	-	-	4	-	-	-	-	-	-	-	9
6	2	-	-	-	-	-	-	-	-	-	42	22
7	-	-	-	-	12	-	-	-	-	-	15	15
8	115	12	-	40	-	-	-	-	-	-	13	-
9	-	-	6	-	-	-	-	-	-	-	-	10
10	-	-	-	-	-	-	-	-	-	-	12	10
11	3	6	29	94	-	-	-	-	-	-	16	7
12	92	-	32	33	-	-	-	-	-	-	-	-
13	97	-	11	-	-	-	7	-	-	3	5	-
14	20	-	19	17	-	-	-	-	-	-	5	-
15	21	-	66	-	-	-	-	2	-	-	7	42
16	76	-	-	-	-	-	-	6	-	-	15	-

Tanggal	Jan.	Peb.	Mar.	April	Mei	Juni	Juli	Agt.	Sept.	Okt.	Nop.	Des.
17	29	-	-	9	-	-	-	-	-	-	-	36
18	-	2	-	3	-	-	-	-	-	-	-	70
19	-	-	22	-	-	-	-	-	-	-	-	-
20	118	-	-	16	-	-	-	-	-	-	14	-
21	19	7	-	-	-	-	-	-	-	-	7	-
22	-	5	-	-	-	-	-	-	-	-	-	11
23	31	1	85	-	-	-	-	-	-	-	9	30
24	-	10	-	-	-	-	-	-	-	-	30	55
25	-	8	40	-	-	-	-	-	-	-	42	24
26	31	7	50	5	-	-	-	-	-	-	9	112
27	-	15	55	-	-	-	-	-	-	5	30	120
28	-	78	45	-	-	-	-	-	-	-	-	20
29	2		105	8	-	-	-	-	-	-	45	7
30	-		-	22	20	-	-	-	-	19	26	18
31	-		-		37		-	-		-		2
Jml.Perbulan	656	265	689	550	125	-	7	8	-	27	360	671
Jml hari hujan	14	15	16	15	7	-	1	2	-	3	21	21
Hujan Max	118	78	105	97	37	-	7	6	-	19	45	120
Hujan Min	2	1	6	3	2	-	7	2	-	3	2	2
Rata-rata	47	18	43	37	18	-	7	4	-	9	17	32

Lampiran 12 Data Curah Hujan Tahun 2012 Stasiun Tamangapa

TAHUN 2012

No.Stasiun	: 12/RB/EP/DPU/77		Koordinat	: 5°11'05"LS	119°29'24"BT
Stasiun	: **Tamangapa Kassi**		Elevasi	:	
Desa	: Manggala		DAS	: Tallo	
Kecamatan	: Tamangapa		Wilayah Sungai	: Jeneberang	
Kodya	: Makassar		Mulai berfungsi	: 9 Mei 1975	

Tanggal	Jan.	Peb.	Mar.	April	Mei	Juni	Juli	Agt.	Sept.	Okt.	Nop.	Des.
1	4	30	-	-	-	-	-	-	-	-	-	1
2	26	118	-	-	7	-	-	-	-	-	-	-
3	36	80	2	19	-	-	-	-	-	-	-	-
4	9	9	15	-	-	-	-	-	-	-	-	-
5	10	2	29	-	39	-	-	-	-	-	-	24
6	0	3	10	-	-	-	-	-	-	-	-	-
7	5	8	-	-	12	2	2	-	-	-	-	18
8	-	13	-	-	-	11	-	-	-	-	-	16
9	-	18	9	2	10	8	-	-	-	-	-	20
10	60	15	21	-	-	-	-	-	-	-	-	-
11	5	47	-	-	-	2	-	-	-	6	-	20
12	12	-	25	-	-	27	-	-	-	-	8	-
13	8	-	5	-	-	-	-	-	-	-	-	-
14	11	9	60	-	13	-	-	-	-	-	-	12
15	9	-	67	40	12	-	-	-	-	-	-	-

Tanggal	Jan.	Peb.	Mar.	April	Mei	Juni	Juli	Agt.	Sept.	Okt.	Nop.	Des.
16	-	-	10	20	-	-	-	-	-	-	-	44
17	-	36	-	-	-	-	-	-	-	6	4	-
18	-	-	-	-	-	7	-	-	-	-	-	-
19	-	5	-	-	-	7	-	-	-	-	-	-
20	-	10	10	16	-	13	-	-	-	-	-	40
21	33	-	-	-	-	9	-	-	-	-	-	-
22	49	-	-	-	-	-	-	-	-	-	-	-
23	16	-	-	-	-	-	-	-	-	-	-	-
24	-	-	3	-	-	-	-	-	-	-	5	85
25	-	-	15	14	-	-	-	-	-	-	-	52
26	6	-	-	32	-	-	-	-	-	-	-	23
27	-	10	-	-	-	-	-	-	-	-	-	10
28	-	7	40	10	-	-	-	-	-	2	7	7
29	-		35	-	-	-	-	-	-	-	-	-
30	52		20	-	-	-	-	-	-	-	-	-
31	27		-		-		-	-		-		72
Jml.Perbulan	378	420	376	153	93	86	2	-	-	14	24	444
Jml hari hujan	19	17	17	8	6	9	1	-	-	3	4	15
Hujan Max	60	118	67	40	39	27	2	-	-	6	8	85
Hujan Min	0	2	2	2	7	2	2	-	-	2	4	1
Rata-rata	20	25	22	19	16	10	2	-	-	5	6	30

Lampiran 13 Data Curah Hujan Tahun 201 Stasiun Tamangapa

TAHUN 2013

No.Stasiun	: 12/RB/EP/DPU/77		Koordinat	: 5º11'05"LS	119º29'24"BT
Stasiun	: **Tamangapa Kassi**		Elevasi	:	
Desa	: Manggala		DAS	: Tallo	
Kecamatan	: Tamangapa		Wilayah Sungai	: Jeneberang	
Kodya	: Makassar		Mulai berfungsi	: 9 Mei 1975	

Tanggal	Jan.	Peb.	Mar.	April	Mei	Juni	Juli	Agt.	Sept.	Okt.	Nop.	Des.
1	80	20	-	-	-	-	-	-	-	-	-	-
2	72	-	-	-	-	-	-	-	-	-	-	7
3	75	-	-	-	-	3	-	-	-	-	-	2
4	23	-	-	4	-	-	-	-	-	-	-	6
5	20	-	30	-	-	-	-	-	-	-	-	-
6	18	-	24	7	-	48	8	-	-	-	-	13
7	43	-	36	-	-	50	51	-	-	-	-	-
8	90	-	40	10	-	10	12	-	-	-	-	30
9	30	-	-	-	-	15	-	-	-	-	-	-
10	40	-	25	-	-	40	-	-	-	-	-	98
11	2	-	27	-	-	25	-	-	-	-	-	-
12	20	-	10	-	-	56	11	-	-	-	-	-
13	25	-	24	6	8	60	-	-	-	-	5	-
14	28	-	32	-	15	25	-	-	-	-	-	70
15	36	-	-	-	-	-	-	-	-	-	-	25
16	18	15	-	15	-	-	-	-	-	-	-	-

Tanggal	Jan.	Peb.	Mar.	April	Mei	Juni	Juli	Agt.	Sept.	Okt.	Nop.	Des.
17	5	40	15	3	-	-	-	-	-	-	10	-
18	8	97	-	-	7	35	28	-	-	-	-	-
19	10	92	-	67	-	-	-	-	-	-	80	4
20	40	50	-	83	13	-	-	-	-	-	-	2
21	27	60	40	-	6	-	-	-	-	-	-	13
22	31	58	-	-	30	-	-	-	-	-	-	60
23	20	50	-	-	-	-	3	9	-	-	-	78
24	25	28	-	-	-	-	-	-	-	-	20	50
25	10	-	-	-	-	-	-	-	-	-	15	88
26	40	-	-	-	-	-	-	-	-	-	-	21
27	4	27	-	-	-	-	-	-	-	-	7	-
28	6	16	-	27	7	4	-	-	-	-	-	46
29	25		-	-	-	4	-	-	-	-	-	-
30	-		-	-	-	9	-	-	-	-	40	25
31	-		-		52		-	-		-		80
Jml.Perbulan	871	553	303	222	138	384	113	9	-	-	177	718
Jml hari hujan	29	12	11	9	8	14	6	1	-	-	7	19
Hujan Max	90	97	40	83	52	60	51	9	-	-	80	98
Hujan Min	2	15	10	3	6	3	3	9	-	-	5	2
Rata-rata	30	46	28	25	17	27	19	9	-	-	25	38

Lampiran 14 Data Curah Hujan Tahun 2014 Stasiun Tamangapa

TAHUN 2014

No.Stasiun	: 12/RB/EP/DPU/77		Koordinat	: 5º11'05"LS	119º29'24"BT
Stasiun	: **Tamangapa Kassi**		Elevasi	:	
Desa	: Manggala		DAS	: Tallo	
Kecamatan	: Tamangapa		Wilayah Sungai	: Jeneberang	
Kodya	: Makassar		Mulai berfungsi	: 9 Mei 1975	

Tanggal	Jan.	Peb.	Mar.	April	Mei	Juni	Juli	Agt.	Sept.	Okt.	Nop.	Des.
1	43	27	-	-	-	-	-	-	-	-	-	-
2	38	20	15	-	-	-	-	-	-	-	-	-
3	54	9	40	-	-	-	-	-	-	-	-	-
4	47	-	47	-	-	-	-	-	-	-	-	-
5	24	24	-	-	-	-	-	-	-	-	-	-
6	66	-	33	-	-	-	-	-	-	-	-	-
7	43	-	5	-	-	-	-	-	-	-	-	-
8	15	-	-	-	-	-	-	-	-	-	-	-
9	2	10	-	-	-	-	-	-	-	-	-	-
10	-	32	-	-	-	-	-	-	-	-	-	-
11	57	-	32	-	-	-	-	-	-	-	-	-
12	41	10	55	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-	-	-	-
14	29	-	-	-	-	-	-	-	-	-	-	-
15	20	-	17	-	-	-	-	-	-	-	-	-
16	54	-	-	-	-	-	-	-	-	-	-	-

Tanggal	Jan.	Peb.	Mar.	April	Mei	Juni	Juli	Agt.	Sept.	Okt.	Nop.	Des.
17	45	-	-	-	-	-	-	-	-	-	-	-
18	52	-	-	-	-	-	-	-	-	-	-	-
19	14	-	-	-	-	-	-	-	-	-	-	-
20	13	-	20	-	-	-	-	-	-	-	-	-
21	45	-	-	-	-	-	-	-	-	-	-	-
22	51	-	10	-	-	-	-	-	-	-	-	-
23	78	-	13	-	-	-	-	-	-	-	-	-
24	40	-	-	-	-	-	-	-	-	-	-	-
25	42	-	31	-	-	-	-	-	-	-	-	-
26	18	-	-	-	-	-	-	-	-	-	-	-
27	41	-	-	-	-	-	-	-	-	-	-	-
28	15	25	29	-	-	-	-	-	-	-	-	-
29	49	-	61	-	-	-	-	-	-	-	-	-
30	62		-	-	-	-	-	-	-	-	-	-
31	68		-		-		-	-		-		-
Jml.Perbulan	1166	157	408	-	-	-	-	-	-	-	-	-
Jml hari hujan	29	8	14	-	-	-	-	-	-	-	-	-
Hujan Max	78	32	61	-	-	-	-	-	-	-	-	-
Hujan Min	2	9	5	-	-	-	-	-	-	-	-	-
Rata-rata	40	20	29	-	-	-	-	-	-	-	-	-

Lampiran 15 Data Curah Hujan Tahun 2015 Stasiun Tamangapa

TAHUN 2015

No.Stasiun	: 12/RB/EP/DPU/77		Koordinat	: 5°11'05"LS	119°29'24"BT
Stasiun	: **Tamangapa Kassi**		Elevasi	:	
Desa	: Manggala		DAS	: Tallo	
Kecamatan	: Tamangapa		Wilayah Sungai	: Jeneberang	
Kodya	: Makassar		Mulai berfungsi	: 9 Mei 1975	

Tanggal	Jan.	Peb.	Mar.	April	Mei	Juni	Juli	Agt.	Sept.	Okt.	Nop.	Des.
1	26	18	15	12	-	-	-	-	-	-	-	-
2	38	20	15	2	-	-	-	-	-	-	-	8
3	110	12	137	31	10	-	-	-	-	-	-	-
4	100	70	47	26	-	12	-	-	-	-	-	9
5	56	14	4	49	40	-	-	-	-	-	-	7
6	60	12	28	18	20	-	-	-	-	-	-	5
7	50	8	38	-	-	4	-	-	-	-	-	-
8	55	10	-	-	-	-	-	-	-	-	-	-
9	52	16	-	-	-	-	-	-	-	-	5	3
10	20	17	-	-	-	-	-	-	-	-	-	4
11	35	30	-	17	-	-	-	-	-	-	-	-
12	15	36	-	26	-	-	-	-	-	-	-	-
13	-	70	-	53	-	-	-	-	-	-	-	-
14	-	-	-	-	2	-	-	-	-	-	-	-
15	25	20	-	-	-	-	-	-	-	-	10	-
16	27	-	-	-	-	-	-	-	-	-	-	120

Tanggal	Jan.	Peb.	Mar.	April	Mei	Juni	Juli	Agt.	Sept.	Okt.	Nop.	Des.
17	-	-	-	-	-	-	-	-	-	-	26	137
18	8	7	-	-	-	-	-	-	-	-	28	140
19	40	-	-	-	-	-	-	-	-	-	-	142
20	50	-	-	-	-	-	-	-	-	-	-	138
21	-	-	-	-	-	-	-	-	-	-	-	70
22	-	-	30	-	-	-	-	-	-	-	-	23
23	25	30	27	-	-	-	-	-	-	-	-	2
24	60	-	22	-	-	-	-	-	-	-	-	-
25	5	-	-	10	-	-	-	-	-	-	-	10
26	40	-	-	18	-	-	-	-	-	-	-	-
27	-	-	-	33	2	-	-	-	-	-	-	-
28	40	-	-	-	-	-	-	-	-	-	-	28
29	63	0	25	-	-	-	-	-	-	-	-	21
30	30		17	-	-	-	-	-	-	-	42	-
31	22		40		-		-	-		-		25
Jml.Perbulan	1052	390	445	295	74	16	-	-	-	-	111	892
Jml hari hujan	25	16	13	12	5	2	-	-	-	-	5	18
Hujan Max	110	70	137	53	40	12	-	-	-	-	42	142
Hujan Min	5	7	4	2	2	4	-	-	-	-	5	2
Rata-rata	42	24	34	25	15	8	-	-	-	-	22	50

Lampiran 16 perhitungan Intensitas Curah Hujan Periode Bulanan

1. Intensitas curah hujan Bulan Januari
   - Intensitas CH Periode Bulan Januari Jam Ke-1

     $$I = \frac{R_{24}}{24} \times \left(\frac{24}{t}\right)^{2/3}$$

     $$I = \frac{80}{24} \times \left(\frac{24}{1}\right)^{2/3}$$

     $$I = 27{,}8\ mm/jam$$
   - Intensitas CH Periode Bulan Januari Jam Ke-2

     $$I = \frac{R_{24}}{24} \times \left(\frac{24}{t}\right)^{2/3}$$

     $$I = \frac{80}{24} \times \left(\frac{24}{2}\right)^{2/3}$$

     $$I = 17{,}5\ mm/jam$$
   - Intensitas CH Periode Bulan Januari Jam Ke-3

     $$I = \frac{R_{24}}{24} \times \left(\frac{24}{t}\right)^{2/3}$$

     $$I = \frac{80}{24} \times \left(\frac{24}{3}\right)^{2/3}$$

     $$I = 13{,}4\ mm/jam$$
   - Intensitas CH Periode Bulan Januari Jam Ke-4

     $$I = \frac{R_{24}}{24} \times \left(\frac{24}{t}\right)^{2/3}$$

     $$\frac{80}{24} \times \left(\frac{24}{4}\right)^{2/3}$$

     $$11{,}0\ mm/jam$$
   - Intensitas CH Periode Bulan Januari Jam Ke-5

     $$I = \frac{R_{24}}{24} \times \left(\frac{24}{t}\right)^{2/3}$$

     $$I = \frac{80}{24} \times \left(\frac{24}{5}\right)^{2/3}$$

     $$I = 9{,}5\ mm/jam$$
   - Intensitas CH Periode Bulan Januari Jam Ke-6

     $$I = \frac{R_{24}}{24} \times \left(\frac{24}{t}\right)^{2/3}$$

     $$I = \frac{80}{24} \times \left(\frac{24}{6}\right)^{2/3}$$

     $$I = 8{,}4\ mm/jam$$
2. Intensitas curah hujan Bulan Februari
   - Intensitas CH Periode Bulan Februari Jam Ke-1

     $$I = \frac{R_{24}}{24} \times \left(\frac{24}{t}\right)^{2/3}$$

     $$I = \frac{69}{24} \times \left(\frac{24}{1}\right)^{2/3}$$

     $$I = 24{,}0\ mm/jam$$
   - Intensitas CH Periode Bulan Februari Jam Ke-2

     $$I = \frac{R_{24}}{24} \times \left(\frac{24}{t}\right)^{2/3}$$

     $$I = \frac{69}{24} \times \left(\frac{24}{2}\right)^{2/3}$$

     $$I = 15{,}1\ mm/jam$$

- Intensitas CH Periode Bulan Februari Jam Ke-3

$$I = \frac{R_{24}}{24} \times \left(\frac{24}{t}\right)^{2/3}$$

$$I = \frac{69}{24} \times \left(\frac{24}{3}\right)^{2/3}$$

$$I = 11{,}6\ mm/jam$$

- Intensitas CH Periode Bulan Februari Jam Ke-4

$$I = \frac{R_{24}}{24} \times \left(\frac{24}{t}\right)^{2/3}$$

$$I = \frac{69}{24} \times \left(\frac{24}{4}\right)^{2/3}$$

$$I = 9{,}5\ mm/jam$$

- Intensitas CH Periode Bulan Februari Jam Ke-5

$$I = \frac{R_{24}}{24} \times \left(\frac{24}{t}\right)^{2/3}$$

$$I = \frac{69}{24} \times \left(\frac{24}{5}\right)^{2/3}$$

$$I = 8{,}2\ mm/jam$$

- Intensitas CH Periode Bulan Februari Jam Ke-6

$$I = \frac{R_{24}}{24} \times \left(\frac{24}{t}\right)^{2/3}$$

$$I = \frac{69}{24} \times \left(\frac{24}{6}\right)^{2/3}$$

$$I = 7{,}3\ mm/jam$$

3. Intensitas curah hujan Bulan Maret

- nsitas CH Periode Bulan et Jam Ke-1

$$I = \frac{R_{24}}{24} \times \left(\frac{24}{t}\right)^{2/3}$$

$$I = \frac{62}{24} \times \left(\frac{24}{1}\right)^{2/3}$$

$$I = 21{,}7\ mm/jam$$

- Intensitas CH Periode Bulan Maret Jam Ke-2

$$I = \frac{R_{24}}{24} \times \left(\frac{24}{t}\right)^{2/3}$$

$$I = \frac{62}{24} \times \left(\frac{24}{2}\right)^{2/3}$$

$$I = 13{,}6\ mm/jam$$

- Intensitas CH Periode Bulan Maret Jam Ke-3

$$I = \frac{R_{24}}{24} \times \left(\frac{24}{t}\right)^{2/3}$$

$$I = \frac{62}{24} \times \left(\frac{24}{3}\right)^{2/3}$$

$$I = 10{,}4\ mm/jam$$

- Intensitas CH Periode Bulan Maret Jam Ke-4

$$I = \frac{R_{24}}{24} \times \left(\frac{24}{t}\right)^{2/3}$$

$$I = \frac{62}{24} \times \left(\frac{24}{4}\right)^{2/3}$$

$$I = 8{,}6 mm/jam$$

- Intensitas CH Periode Bulan Maret Jam Ke-5

$$I = \frac{R_{24}}{24} \times \left(\frac{24}{t}\right)^{2/3}$$

$$I = \frac{62}{24} \times \left(\frac{24}{5}\right)^{2/3}$$

$$I = 7{,}4\ mm/jam$$

- Intensitas CH Periode Bulan Maret Jam Ke-6

$$I = \frac{R_{24}}{24} \times \left(\frac{24}{t}\right)^{2/3}$$

$$I = \frac{62}{24} \times \left(\frac{24}{6}\right)^{2/3}$$

$$I = 6{,}6\ mm/jam$$

4. Intensitas curah hujan Bulan April
   - Intensitas CH Periode Bulan April Jam Ke-1

$$I = \frac{R_{24}}{24} \times \left(\frac{24}{t}\right)^{2/3}$$

$$I = \frac{42}{24} \times \left(\frac{24}{1}\right)^{2/3}$$

$$I = 14{,}7\ mm/jam$$

   - Intensitas CH Periode Bulan April Jam Ke-2

$$I = \frac{R_{24}}{24} \times \left(\frac{24}{t}\right)^{2/3}$$

$$I = \frac{42}{24} \times \left(\frac{24}{2}\right)^{2/3}$$

$$I = 9{,}3\ mm/jam$$

   - Intensitas CH Periode Bulan April Jam Ke-3

$$I = \frac{R_{24}}{24} \times \left(\frac{24}{t}\right)^{2/3}$$

$$I = \frac{42}{24} \times \left(\frac{24}{3}\right)^{2/3}$$

$$I = 7{,}1\ mm/jam$$

   - Intensitas CH Periode Bulan April Jam Ke-4

$$I = \frac{R_{24}}{24} \times \left(\frac{24}{t}\right)^{2/3}$$

$$I = \frac{42}{24} \times \left(\frac{24}{4}\right)^{2/3}$$

$$I = 5{,}8\ mm/jam$$

   - Intensitas CH Periode Bulan April Jam Ke-5

$$I = \frac{R_{24}}{24} \times \left(\frac{24}{t}\right)^{2/3}$$

$$I = \frac{42}{24} \times \left(\frac{24}{5}\right)^{2/3}$$

$$I = 5{,}0\ mm/jam$$

   - Intensitas CH Periode Bulan April Jam Ke-6

$$I = \frac{R_{24}}{24} \times \left(\frac{24}{t}\right)^{2/3}$$

$$I = \frac{42}{24} \times \left(\frac{24}{6}\right)^{2/3}$$

$$I = 4{,}5\ mm/jam$$

5. Intensitas curah hujan Bulan Mei
   - Intensitas CH Periode Bulan Mei Jam Ke-1

$$I = \frac{R_{24}}{24} \times \left(\frac{24}{t}\right)^{2/3}$$

$$I = \frac{25}{24} \times \left(\frac{24}{1}\right)^{2/3}$$

$$I = 8{,}8\ mm/jam$$

   - Intensitas CH Periode Bulan Mei Jam Ke-2

$$I = \frac{R_{24}}{24} \times \left(\frac{24}{t}\right)^{2/3}$$

$$I = \frac{25}{24} \times \left(\frac{24}{2}\right)^{2/3}$$

$$I = 5{,}6\ mm/jam$$

- Intensitas CH Periode Bulan Mei Jam Ke-3

$$I = \frac{R_{24}}{24} \times \left(\frac{24}{t}\right)^{2/3}$$

$$I = \frac{25}{24} \times \left(\frac{24}{3}\right)^{2/3}$$

$$I = 4{,}2\ mm/jam$$

- Intensitas CH Periode Bulan Mei Jam Ke-4

$$I = \frac{R_{24}}{24} \times \left(\frac{24}{t}\right)^{2/3}$$

$$I = \frac{25}{24} \times \left(\frac{24}{4}\right)^{2/3}$$

$$I = 3{,}5\ mm/jam$$

- Intensitas CH Periode Bulan Mei Jam Ke-5

$$I = \frac{R_{24}}{24} \times \left(\frac{24}{t}\right)^{2/3}$$

$$I = \frac{25}{24} \times \left(\frac{24}{5}\right)^{2/3}$$

$$I = 3{,}0\ mm/jam$$

- Intensitas CH Periode Bulan Mei Jam Ke-6

$$I = \frac{R_{24}}{24} \times \left(\frac{24}{t}\right)^{2/3}$$

$$I = \frac{25}{24} \times \left(\frac{24}{6}\right)^{2/3}$$

$$I = 2{,}7\ mm/jam$$

6. Intensitas curah hujan Bulan Juni

- Intensitas CH Periode Bulan Juni Jam Ke-1

$$\frac{R_{24}}{24} \times \left(\frac{24}{t}\right)^{2/3}$$

$$I = \frac{22}{24} \times \left(\frac{24}{1}\right)^{2/3}$$

$$I = 7{,}6\ mm/jam$$

- Intensitas CH Periode Bulan Juni Jam Ke-2

$$I = \frac{R_{24}}{24} \times \left(\frac{24}{t}\right)^{2/3}$$

$$I = \frac{22}{24} \times \left(\frac{24}{2}\right)^{2/3}$$

$$I = 4{,}8\ mm/jam$$

- Intensitas CH Periode Bulan Juni Jam Ke-3

$$I = \frac{R_{24}}{24} \times \left(\frac{24}{t}\right)^{2/3}$$

$$I = \frac{22}{24} \times \left(\frac{24}{3}\right)^{2/3}$$

$$I = 3{,}6\ mm/jam$$

- Intensitas CH Periode Bulan Juni Jam Ke-4

$$I = \frac{R_{24}}{24} \times \left(\frac{24}{t}\right)^{2/3}$$

$$I = \frac{22}{24} \times \left(\frac{24}{4}\right)^{2/3}$$

$$I = 3{,}0\ mm/jam$$

- Intensitas CH Periode Bulan Juni Jam Ke-5

$$I = \frac{R_{24}}{24} \times \left(\frac{24}{t}\right)^{2/3}$$

$$I = \frac{22}{24} \times \left(\frac{24}{5}\right)^{2/3}$$

$$I = 2{,}6\ mm/jam$$

- Intensitas CH Periode Bulan Juni Jam Ke-6

$$I = \frac{R_{24}}{24} \times \left(\frac{24}{t}\right)^{2/3}$$

$$I = \frac{22}{24} \times \left(\frac{24}{6}\right)^{2/3}$$

$$I = 2{,}3\ mm/jam$$

7. Intensitas curah hujan Bulan Juli

- Intensitas CH Periode Bulan Juli Jam Ke-1

$$I = \frac{R_{24}}{24} \times \left(\frac{24}{t}\right)^{2/3}$$

$$I = \frac{11}{24} \times \left(\frac{24}{1}\right)^{2/3}$$

$$I = 3{,}9\ mm/jam$$

- Intensitas CH Periode Bulan Juli Jam Ke-2

$$I = \frac{R_{24}}{24} \times \left(\frac{24}{t}\right)^{2/3}$$

$$I = \frac{11}{24} \times \left(\frac{24}{2}\right)^{2/3}$$

$$I = 2{,}4\ mm/jam$$

- Intensitas CH Periode Bulan Juli Jam Ke-3

$$I = \frac{R_{24}}{24} \times \left(\frac{24}{t}\right)^{2/3}$$

$$I = \frac{11}{24} \times \left(\frac{24}{3}\right)^{2/3}$$

$$I = 1{,}9\ mm/jam$$

- Intensitas CH Periode Bulan Jam Ke-4

$$\frac{R_{24}}{24} \times \left(\frac{24}{t}\right)^{2/3}$$

$$I = \frac{11}{24} \times \left(\frac{24}{4}\right)^{2/3}$$

$$I = 1{,}5\ mm/jam$$

- Intensitas CH Periode Bulan Juli Jam Ke-5

$$I = \frac{R_{24}}{24} \times \left(\frac{24}{t}\right)^{2/3}$$

$$I = \frac{11}{24} \times \left(\frac{24}{5}\right)^{2/3}$$

$$I = 1{,}3\ mm/jam$$

- Intensitas CH Periode Bulan Juli Jam Ke-6

$$I = \frac{R_{24}}{24} \times \left(\frac{24}{t}\right)^{2/3}$$

$$I = \frac{11}{24} \times \left(\frac{24}{6}\right)^{2/3}$$

$$I = 1{,}2\ mm/jam$$

8. Intensitas curah hujan Bulan Agustus

- Intensitas CH Periode Bulan Agustus Jam Ke-1

$$I = \frac{R_{24}}{24} \times \left(\frac{24}{t}\right)^{2/3}$$

$$I = \frac{4}{24} \times \left(\frac{24}{1}\right)^{2/3}$$

$$I = 1{,}5\ mm/jam$$

- Intensitas CH Periode Bulan Agustus Jam Ke-2

$$I = \frac{R_{24}}{24} \times \left(\frac{24}{t}\right)^{2/3}$$

$$I = \frac{4}{24} \times \left(\frac{24}{2}\right)^{2/3}$$

$$I = 1{,}0\ mm/jam$$

- Intensitas CH Periode Bulan Agustus Jam Ke-3

$$I = \frac{R_{24}}{24} \times \left(\frac{24}{t}\right)^{2/3}$$

$$I = \frac{4}{24} \times \left(\frac{24}{3}\right)^{2/3}$$

$$I = 0{,}7\ mm/jam$$

- Intensitas CH Periode Bulan Agustus Jam Ke-4

$$I = \frac{R_{24}}{24} \times \left(\frac{24}{t}\right)^{2/3}$$

$$I = \frac{4}{24} \times \left(\frac{24}{4}\right)^{2/3}$$

$$I = 0{,}6\ mm/jam$$

- Intensitas CH Periode Bulan Agustus Jam Ke-5

$$I = \frac{R_{24}}{24} \times \left(\frac{24}{t}\right)^{2/3}$$

$$I = \frac{4}{24} \times \left(\frac{24}{5}\right)^{2/3}$$

$$I = 0{,}75\ mm/jam$$

- Intensitas CH Periode Bulan Agustus Jam Ke-6

$$I = \frac{R_{24}}{24} \times \left(\frac{24}{t}\right)^{2/3}$$

$$I = \frac{4}{24} \times \left(\frac{24}{6}\right)^{2/3}$$

$$I = 0{,}5\ mm/jam$$

9. Intensitas curah hujan Bulan September

- Intensitas CH Periode Bulan September Jam Ke-1

$$I = \frac{R_{24}}{24} \times \left(\frac{24}{t}\right)^{2/3}$$

$$I = \frac{26}{24} \times \left(\frac{24}{1}\right)^{2/3}$$

$$I = 9{,}0\ mm/jam$$

- Intensitas CH Periode Bulan September Jam Ke-2

$$I = \frac{R_{24}}{24} \times \left(\frac{24}{t}\right)^{2/3}$$

$$I = \frac{26}{24} \times \left(\frac{24}{2}\right)^{2/3}$$

$$I = 5{,}6\ mm/jam$$

- Intensitas CH Periode Bulan September Jam Ke-3

$$I = \frac{R_{24}}{24} \times \left(\frac{24}{t}\right)^{2/3}$$

$$I = \frac{26}{24} \times \left(\frac{24}{3}\right)^{2/3}$$

$$I = 4{,}3\ mm/jam$$

- Intensitas CH Periode Bulan September Jam Ke-4

$$I = \frac{R_{24}}{24} \times \left(\frac{24}{t}\right)^{2/3}$$

$$I = \frac{26}{24} \times \left(\frac{24}{4}\right)^{2/3}$$

$$I = 3{,}6\ mm/jam$$

- Intensitas CH Periode Bulan September Jam Ke-5

$$I = \frac{R_{24}}{24} \times \left(\frac{24}{t}\right)^{2/3}$$

$$I = \frac{26}{24} \times \left(\frac{24}{5}\right)^{2/3}$$

$$I = 3{,}1\ mm/jam$$

- Intensitas CH Periode Bulan Januari Jam Ke-6

$$I = \frac{R_{24}}{24} \times \left(\frac{24}{t}\right)^{2/3}$$

$$I = \frac{26}{24} \times \left(\frac{24}{6}\right)^{2/3}$$

$$I = 2{,}7\ mm/jam$$

10. Intensitas curah hujan Bulan Oktober

- Intensitas CH Periode Bulan Oktober Jam Ke-1

$$I = \frac{R_{24}}{24} \times \left(\frac{24}{t}\right)^{2/3}$$

$$I = \frac{17}{24} \times \left(\frac{24}{1}\right)^{2/3}$$

$$I = 5{,}8\ mm/jam$$

- Intensitas CH Periode Bulan Oktober Jam Ke-2

$$I = \frac{R_{24}}{24} \times \left(\frac{24}{t}\right)^{2/3}$$

$$I = \frac{17}{24} \times \left(\frac{24}{2}\right)^{2/3}$$

$$I = 3{,}7\ mm/jam$$

- Intensitas CH Periode Bulan Oktober Jam Ke-3

$$I = \frac{R_{24}}{24} \times \left(\frac{24}{t}\right)^{2/3}$$

$$I = \frac{17}{24} \times \left(\frac{24}{3}\right)^{2/3}$$

$$I = 2{,}8\ mm/jam$$

- Intensitas CH Periode Bulan Oktober Jam Ke-4

$$I = \frac{R_{24}}{24} \times \left(\frac{24}{t}\right)^{2/3}$$

$$I = \frac{17}{24} \times \left(\frac{24}{4}\right)^{2/3}$$

$$I = 2{,}3\ mm/jam$$

- Intensitas CH Periode Bulan Oktober Jam Ke-5

$$I = \frac{R_{24}}{24} \times \left(\frac{24}{t}\right)^{2/3}$$

$$I = \frac{17}{24} \times \left(\frac{24}{5}\right)^{2/3}$$

$$I = 2{,}0\ mm/jam$$

- Intensitas CH Periode Bulan Oktober Jam Ke-6

$$I = \frac{R_{24}}{24} \times \left(\frac{24}{t}\right)^{2/3}$$

$$I = \frac{17}{24} \times \left(\frac{24}{6}\right)^{2/3}$$

$$I = 1{,}8\ mm/jam$$

11. Intensitas curah hujan Bulan November

- Intensitas CH Periode Bulan November Jam Ke-1

$$I = \frac{R_{24}}{24} \times \left(\frac{24}{t}\right)^{2/3}$$

$$I = \frac{35}{24} \times \left(\frac{24}{1}\right)^{2/3}$$

$$I = 12{,}1\ mm/jam$$

- Intensitas CH Periode Bulan November Jam Ke-2

$$I = \frac{R_{24}}{24} \times \left(\frac{24}{t}\right)^{2/3}$$

$$I = \frac{35}{24} \times \left(\frac{24}{2}\right)^{2/3}$$

$$I = 7{,}6\ mm/jam$$

- Intensitas CH Periode Bulan November Jam Ke-3

$$I = \frac{R_{24}}{24} \times \left(\frac{24}{t}\right)^{2/3}$$

$$I = \frac{35}{24} \times \left(\frac{24}{3}\right)^{2/3}$$

$$I = 5{,}8\ mm/jam$$

- Intensitas CH Periode Bulan November Jam Ke-4

$$I = \frac{R_{24}}{24} \times \left(\frac{24}{t}\right)^{2/3}$$

$$I = \frac{35}{24} \times \left(\frac{24}{4}\right)^{2/3}$$

$$I = 4{,}8\ mm/jam$$

- Intensitas CH Periode Bulan November Jam Ke-5

$$I = \frac{R_{24}}{24} \times \left(\frac{24}{t}\right)^{2/3}$$

$$I = \frac{35}{24} \times \left(\frac{24}{5}\right)^{2/3}$$

$$I = 4{,}1\ mm/jam$$

- Intensitas CH Periode Bulan November Jam Ke-6

$$I = \frac{R_{24}}{24} \times \left(\frac{24}{t}\right)^{2/3}$$

$$I = \frac{35}{24} \times \left(\frac{24}{6}\right)^{2/3}$$

3,7 mm/jam

sitas curah hujan Bulan nber

- Intensitas CH Periode Bulan Desember Jam Ke-1

$$I = \frac{R_{24}}{24} \times \left(\frac{24}{t}\right)^{2/3}$$

$$I = \frac{77}{24} \times \left(\frac{24}{1}\right)^{2/3}$$

$$I = 26{,}6\ mm/jam$$

- Intensitas CH Periode Bulan Desember Jam Ke-2

$$I = \frac{R_{24}}{24} \times \left(\frac{24}{t}\right)^{2/3}$$

$$I = \frac{77}{24} \times \left(\frac{24}{2}\right)^{2/3}$$

$$I = 16{,}8\ mm/jam$$

- Intensitas CH Periode Bulan Desember Jam Ke-3

$$I = \frac{R_{24}}{24} \times \left(\frac{24}{t}\right)^{2/3}$$

$$I = \frac{77}{24} \times \left(\frac{24}{3}\right)^{2/3}$$

$$I = 12{,}8\ mm/jam$$

- Intensitas CH Periode Bulan Desember Jam Ke-4

$$I = \frac{R_{24}}{24} \times \left(\frac{24}{t}\right)^{2/3}$$

$$I = \frac{77}{24} \times \left(\frac{24}{4}\right)^{2/3}$$

$$I = 10{,}6\ mm/jam$$

- Intensitas CH Periode Bulan Desember Jam Ke-5

$$I = \frac{R_{24}}{24} \times \left(\frac{24}{t}\right)^{2/3}$$

$$I = \frac{77}{24} \times \left(\frac{24}{5}\right)^{2/3}$$

$$I = 9{,}1\ mm/jam$$

$$I = \frac{77}{24} \times \left(\frac{24}{6}\right)^{2/3}$$

$$I = 8{,}1\ mm/jam$$

- Intensitas CH Periode Bulan Desember Jam Ke-6

$$I = \frac{R_{24}}{24} \times \left(\frac{24}{t}\right)^{2/3}$$

Lampiran 17 Perhitungan Intensitas Curah Hujan Periode Harian

1. Intensitas curah hujan Tanggal 1 Januari
   - Intensitas CH Periode Harian Tanggal 1 Jam Ke-1

     $$I = \frac{R_{24}}{24} \times \left(\frac{24}{t}\right)^{2/3}$$

     $$I = \frac{155}{24} \times \left(\frac{24}{1}\right)^{2/3}$$

     $$I = 53{,}7\ mm/jam$$
   - Intensitas CH Periode Harian Tanggal 1 Jam Ke-2

     $$I = \frac{R_{24}}{24} \times \left(\frac{24}{t}\right)^{2/3}$$

     $$I = \frac{155}{24} \times \left(\frac{24}{2}\right)^{2/3}$$

     $$I = 33{,}9\ mm/jam$$
   - Intensitas CH Periode Harian Tanggal 1 Jam Ke-3

     $$I = \frac{R_{24}}{24} \times \left(\frac{24}{t}\right)^{2/3}$$

     $$I = \frac{155}{24} \times \left(\frac{24}{3}\right)^{2/3}$$

     $$I = 25{,}8\ mm/jam$$
   - Intensitas CH Periode Harian Tanggal 1 Jam Ke-4

     $$I = \frac{R_{24}}{24} \times \left(\frac{24}{t}\right)^{2/3}$$

     $$\frac{155}{24} \times \left(\frac{24}{4}\right)^{2/3}$$

     $$21{,}18\ mm/jam$$
   - Intensitas CH Periode Harian Tanggal 1 Jam Ke-5

     $$I = \frac{R_{24}}{24} \times \left(\frac{24}{t}\right)^{2/3}$$

     $$I = \frac{155}{24} \times \left(\frac{24}{5}\right)^{2/3}$$

     $$I = 18{,}4\ mm/jam$$
   - Intensitas CH Periode Harian Tanggal 1 Jam Ke-6

     $$I = \frac{R_{24}}{24} \times \left(\frac{24}{t}\right)^{2/3}$$

     $$I = \frac{155}{24} \times \left(\frac{24}{6}\right)^{2/3}$$

     $$I = 16{,}3\ mm/jam$$
2. Intensitas curah hujan Tanggal 2 Januari
   - Intensitas CH Periode Harian Tanggal 2 Jam Ke-1

     $$I = \frac{R_{24}}{24} \times \left(\frac{24}{t}\right)^{2/3}$$

     $$I = \frac{172}{24} \times \left(\frac{24}{1}\right)^{2/3}$$

     $$I = 59{,}6\ mm/jam$$
   - Intensitas CH Periode Harian Tanggal 2 Jam Ke-2

     $$I = \frac{R_{24}}{24} \times \left(\frac{24}{t}\right)^{2/3}$$

     $$I = \frac{172}{24} \times \left(\frac{24}{2}\right)^{2/3}$$

     $$I = 37{,}6\ mm/jam$$

- Intensitas CH Periode Harian Tanggal 2 Jam Ke-3

$$I = \frac{R_{24}}{24} \times \left(\frac{24}{t}\right)^{2/3}$$

$$I = \frac{172}{24} \times \left(\frac{24}{3}\right)^{2/3}$$

$$I = 28{,}7\ mm/jam$$

- Intensitas CH Periode Harian Tanggal 2 Jam Ke-4

$$I = \frac{R_{24}}{24} \times \left(\frac{24}{t}\right)^{2/3}$$

$$I = \frac{172}{24} \times \left(\frac{24}{4}\right)^{2/3}$$

$$I = 23{,}7\ mm/jam$$

- Intensitas CH Periode Harian Tanggal 2 Jam Ke-5

$$I = \frac{R_{24}}{24} \times \left(\frac{24}{t}\right)^{2/3}$$

$$I = \frac{172}{24} \times \left(\frac{24}{5}\right)^{2/3}$$

$$I = 20{,}4\ mm/jam$$

- Intensitas CH Periode Harian Tanggal 2 Jam Ke-6

$$I = \frac{R_{24}}{24} \times \left(\frac{24}{t}\right)^{2/3}$$

$$I = \frac{172}{24} \times \left(\frac{24}{6}\right)^{2/3}$$

$$I = 18{,}1\ mm/jam$$

3. Intensitas curah hujan Tanggal 15 Januari

- Intensitas CH Periode Harian Tanggal 15 Jam Ke-1

$$I = \frac{R_{24}}{24} \times \left(\frac{24}{t}\right)^{2/3}$$

$$I = \frac{37}{24} \times \left(\frac{24}{1}\right)^{2/3}$$

$$I = 12{,}8\ mm/jam$$

- Intensitas CH Periode Harian Tanggal 15 Jam Ke-2

$$I = \frac{R_{24}}{24} \times \left(\frac{24}{t}\right)^{2/3}$$

$$I = \frac{37}{24} \times \left(\frac{24}{2}\right)^{2/3}$$

$$I = 8{,}1\ mm/jam$$

- Intensitas CH Periode Harian Tanggal 15 Jam Ke-3

$$I = \frac{R_{24}}{24} \times \left(\frac{24}{t}\right)^{2/3}$$

$$I = \frac{37}{24} \times \left(\frac{24}{3}\right)^{2/3}$$

$$I = 6{,}2\ mm/jam$$

- Intensitas CH Periode Harian Tanggal 15 Jam Ke-4

$$I = \frac{R_{24}}{24} \times \left(\frac{24}{t}\right)^{2/3}$$

$$I = \frac{37}{24} \times \left(\frac{24}{4}\right)^{2/3}$$

$$I = 5{,}1\ mm/jam$$

- Intensitas CH Periode Harian Tanggal 15 Jam Ke-5

$$I = \frac{R_{24}}{24} \times \left(\frac{24}{t}\right)^{2/3}$$

$$I = \frac{37}{24} \times \left(\frac{24}{5}\right)^{2/3}$$

$$I = 4{,}4\ mm/jam$$

- Intensitas CH Periode Harian Tanggal 15 Jam Ke-6

$$I = \frac{R_{24}}{24} \times \left(\frac{24}{t}\right)^{2/3}$$

$$I = \frac{37}{24} \times \left(\frac{24}{6}\right)^{2/3}$$

$$I = 3{,}9\ mm/jam$$

4. Intensitas curah hujan Tanggal 22 Januari

- Intensitas CH Periode Harian Tanggal 22 Jam Ke-1

$$I = \frac{R_{24}}{24} \times \left(\frac{24}{t}\right)^{2/3}$$

$$I = \frac{51}{24} \times \left(\frac{24}{1}\right)^{2/3}$$

$$I = 17{,}7\ mm/jam$$

- Intensitas CH Periode Harian Tanggal 22 Jam Ke-2

$$I = \frac{R_{24}}{24} \times \left(\frac{24}{t}\right)^{2/3}$$

$$I = \frac{51}{24} \times \left(\frac{24}{2}\right)^{2/3}$$

$$I = 11{,}1\ mm/jam$$

- Intensitas CH Periode Harian Tanggal 22 Jam Ke-3

$$I = \frac{R_{24}}{24} \times \left(\frac{24}{t}\right)^{2/3}$$

$$I = \frac{51}{24} \times \left(\frac{24}{3}\right)^{2/3}$$

$$I = 8{,}5\ mm/jam$$

- Intensitas CH Periode Harian Tanggal 22 Jam Ke-4

$$I = \frac{R_{24}}{24} \times \left(\frac{24}{t}\right)^{2/3}$$

$$I = \frac{51}{24} \times \left(\frac{24}{4}\right)^{2/3}$$

$$I = 7{,}0\ mm/jam$$

- Intensitas CH Periode Harian Tanggal 22 Jam Ke-5

$$I = \frac{R_{24}}{24} \times \left(\frac{24}{t}\right)^{2/3}$$

$$I = \frac{51}{24} \times \left(\frac{24}{5}\right)^{2/3}$$

$$I = 6{,}0\ mm/jam$$

- Intensitas CH Periode Harian Tanggal 22 Jam Ke-6

$$I = \frac{R_{24}}{24} \times \left(\frac{24}{t}\right)^{2/3}$$

$$I = \frac{51}{24} \times \left(\frac{24}{6}\right)^{2/3}$$

$$I = 5{,}4\ mm/jam$$

5. Intensitas curah hujan Tanggal 25 Januari

- Intensitas CH Periode Harian Tanggal 25 Jam Ke-1

$$I = \frac{R_{24}}{24} \times \left(\frac{24}{t}\right)^{2/3}$$

$$I = \frac{42}{24} \times \left(\frac{24}{1}\right)^{2/3}$$

$$I = 14{,}6\ mm/jam$$

- Intensitas CH Periode Harian Tanggal 25 Jam Ke-2

$$I = \frac{R_{24}}{24} \times \left(\frac{24}{t}\right)^{2/3}$$

$$I = \frac{42}{24} \times \left(\frac{24}{2}\right)^{2/3}$$

$$I = 9{,}2\ mm/jam$$

- Intensitas CH Periode Harian Tanggal 25 Jam Ke-3

$$I = \frac{R_{24}}{24} \times \left(\frac{24}{t}\right)^{2/3}$$

$$I = \frac{42}{24} \times \left(\frac{24}{3}\right)^{2/3}$$

$$I = 7{,}0\ mm/jam$$

- Intensitas CH Periode Harian Tanggal 25 Jam Ke-4

$$I = \frac{R_{24}}{24} \times \left(\frac{24}{t}\right)^{2/3}$$

$$I = \frac{42}{24} \times \left(\frac{24}{4}\right)^{2/3}$$

$$I = 5{,}8\ mm/jam$$

- Intensitas CH Periode Harian Tanggal 25 Jam Ke-5

$$I = \frac{R_{24}}{24} \times \left(\frac{24}{t}\right)^{2/3}$$

$$I = \frac{42}{24} \times \left(\frac{24}{5}\right)^{2/3}$$

$$I = 5{,}0\ mm/jam$$

- Intensitas CH Periode Harian Tanggal 25 Jam Ke-6

$$I = \frac{R_{24}}{24} \times \left(\frac{24}{t}\right)^{2/3}$$

$$I = \frac{42}{24} \times \left(\frac{24}{6}\right)^{2/3}$$

$5{,}4\ mm/jam$

sitas curah hujan Tanggal 27

ri

- Intensitas CH Periode Harian Tanggal 27 Jam Ke-1

$$I = \frac{R_{24}}{24} \times \left(\frac{24}{t}\right)^{2/3}$$

$$I = \frac{41}{24} \times \left(\frac{24}{1}\right)^{2/3}$$

$$I = 14{,}2\ mm/jam$$

- Intensitas CH Periode Harian Tanggal 27 Jam Ke-2

$$I = \frac{R_{24}}{24} \times \left(\frac{24}{t}\right)^{2/3}$$

$$I = \frac{41}{24} \times \left(\frac{24}{2}\right)^{2/3}$$

$$I = 9{,}0\ mm/jam$$

- Intensitas CH Periode Harian Tanggal 27 Jam Ke-3

$$I = \frac{R_{24}}{24} \times \left(\frac{24}{t}\right)^{2/3}$$

$$I = \frac{41}{24} \times \left(\frac{24}{3}\right)^{2/3}$$

$$I = 6{,}8\ mm/jam$$

- Intensitas CH Periode Harian Tanggal 27 Jam Ke-4

$$I = \frac{R_{24}}{24} \times \left(\frac{24}{t}\right)^{2/3}$$

$$I = \frac{41}{24} \times \left(\frac{24}{4}\right)^{2/3}$$

$$I = 5{,}6\ mm/jam$$

- Intensitas CH Periode Harian Tanggal 27 Jam Ke-5

$$I = \frac{R_{24}}{24} \times \left(\frac{24}{t}\right)^{2/3}$$

$$I = \frac{41}{24} \times \left(\frac{24}{5}\right)^{2/3}$$

$$I = 4{,}9\ mm/jam$$

- Intensitas CH Periode Harian Tanggal 27 Jam Ke-6

$$I = \frac{R_{24}}{24} \times \left(\frac{24}{t}\right)^{2/3}$$

$$I = \frac{41}{24} \times \left(\frac{24}{6}\right)^{2/3}$$

$$I = 4{,}3\ mm/jam$$

$$I = \frac{70}{24} \times \left(\frac{24}{3}\right)^{2/3}$$

$$I = 11{,}7\ mm/jam$$

Lampiran 18 Solver Log Pemodelan Banjir iRIC Periode Bulanan

1. Bulan Januari

```
 Nays2d_flood Solver Version 5.0.0000 Last updated 2014/5/14
 Copyright(C) by Yasuyuki Shimizu, Hokkaido Univ., Japan
 Modified by Ichiro Kimura, Toshiki Iwasaki, Satomi Kawamura,
Takuya Inoue , Mic
 hihiro Hamaki , Takeshi Takemura
           0           1          38          38
 inflow(i=1)New Inflow
      time   q_input    h_down
     0.000    0.0000    0.0000    0.0000 out
   900.000    0.0000    0.0000   47.3276 out
  1800.000    0.0000    0.0000   94.6553 out
  2700.000    0.0000    0.0000   77.1422 out
  3600.000    0.0000    0.0000   59.6291 out
  4500.000    0.0000    0.0000   52.5673 out
  5400.000    0.0000    0.0000   45.5055 out
  6300.000    0.0000    0.0000   41.5347 out
  7200.000    0.0000    0.0000   37.5640 out
  8100.000    0.0000    0.0000   34.9678 out
  9000.000    0.0000    0.0000   32.3716 out
  9900.000    0.0000    0.0000   30.5192 out
 10800.000    0.0000    0.0000   28.6667 out
 11700.000    0.0000    0.0000   27.2668 out
 12600.000    0.0000    0.0000   25.8670 out
 13500.000    0.0000    0.0000   24.7654 out
 14400.000    0.0000    0.0000   23.6638 out
 15300.000    0.0000    0.0000   22.7703 out
 16200.000    0.0000    0.0000   21.8768 out
 17100.000    0.0000    0.0000   21.1348 out
 18000.000    0.0000    0.0000   20.3929 out
 18900.000    0.0000    0.0000   19.7651 out
 19800.000    0.0000    0.0000   19.1374 out
 20700.000    0.0000    0.0000   18.5981 out
 21600.000    0.0000    0.0000   18.0589 out
 Finish           0
 Calcuration time   25.00000     sec.
 Calcuration time  0.4166667     min.
 Calcuration time  6.9444445E-03 hour.
```

2. Bulan Februari

```
 Nays2d_flood Solver Version 5.0.0000 Last updated 2014/5/14
 Copyright(C) by Yasuyuki Shimizu, Hokkaido Univ., Japan
 Modified by Ichiro Kimura, Toshiki Iwasaki, Satomi Kawamura,
Takuya Inoue , Mic
 hihiro Hamaki , Takeshi Takemura
           0           1          38          38
    (i=1)New Inflow
    ime   q_input    h_down
    000    0.0000    0.0000    0.0000 out
    000    0.0000    0.0000   39.8983 out
    000    0.0000    0.0000   79.7966 out
```

```
  2700.000    0.0000    0.0000   65.0326 out
  3600.000    0.0000    0.0000   50.2687 out
  4500.000    0.0000    0.0000   44.3154 out
  5400.000    0.0000    0.0000   38.3622 out
  6300.000    0.0000    0.0000   35.0147 out
  7200.000    0.0000    0.0000   31.6673 out
  8100.000    0.0000    0.0000   29.4787 out
  9000.000    0.0000    0.0000   27.2900 out
  9900.000    0.0000    0.0000   25.7284 out
 10800.000    0.0000    0.0000   24.1667 out
 11700.000    0.0000    0.0000   22.9866 out
 12600.000    0.0000    0.0000   21.8065 out
 13500.000    0.0000    0.0000   20.8778 out
 14400.000    0.0000    0.0000   19.9491 out
 15300.000    0.0000    0.0000   19.1959 out
 16200.000    0.0000    0.0000   18.4426 out
 17100.000    0.0000    0.0000   17.8171 out
 18000.000    0.0000    0.0000   17.1917 out
 18900.000    0.0000    0.0000   16.6625 out
 19800.000    0.0000    0.0000   16.1333 out
 20700.000    0.0000    0.0000   15.6787 out
 21600.000    0.0000    0.0000   15.2240 out
 Finish           0
 Calcuration time   24.00000     sec.
 Calcuration time  0.4000000     min.
 Calcuration time  6.6666668E-03 hour.
```

3. Bulan Maret

```
 Nays2d_flood Solver Version 5.0.0000 Last updated 2014/5/14
 Copyright(C) by Yasuyuki Shimizu, Hokkaido Univ., Japan
 Modified by Ichiro Kimura, Toshiki Iwasaki, Satomi Kawamura,
Takuya Inoue , Mic
 hihiro Hamaki , Takeshi Takemura
           0           1          38          38
 inflow(i=1)New Inflow
      time   q_input    h_down
     0.000    0.0000    0.0000    0.0000 out
   900.000    0.0000    0.0000   42.6499 out
  1800.000    0.0000    0.0000   85.2998 out
  2700.000    0.0000    0.0000   69.5176 out
  3600.000    0.0000    0.0000   53.7355 out
  4500.000    0.0000    0.0000   47.3717 out
  5400.000    0.0000    0.0000   41.0079 out
  6300.000    0.0000    0.0000   37.4296 out
  7200.000    0.0000    0.0000   33.8512 out
  8100.000    0.0000    0.0000   31.5117 out
  9000.000    0.0000    0.0000   29.1721 out
  9900.000    0.0000    0.0000   27.5027 out
 10800.000    0.0000    0.0000   25.8333 out
     000      0.0000    0.0000   24.5719 out
     000      0.0000    0.0000   23.3104 out
     000      0.0000    0.0000   22.3177 out
     000      0.0000    0.0000   21.3249 out
     000      0.0000    0.0000   20.5197 out
```

```
 16200.000    0.0000    0.0000   19.7145 out
 17100.000    0.0000    0.0000   19.0459 out
 18000.000    0.0000    0.0000   18.3773 out
 18900.000    0.0000    0.0000   17.8116 out
 19800.000    0.0000    0.0000   17.2459 out
 20700.000    0.0000    0.0000   16.7599 out
 21600.000    0.0000    0.0000   16.2740 out
 Finish           0
 Calcuration time   25.00000     sec.
 Calcuration time  0.4166667     min.
 Calcuration time  6.9444445E-03 hour.
```

4. Bulan April

```
 Nays2d_flood Solver Version 5.0.0000 Last updated 2014/5/14
 Copyright(C) by Yasuyuki Shimizu, Hokkaido Univ., Japan
 Modified by Ichiro Kimura, Toshiki Iwasaki, Satomi Kawamura,
Takuya Inoue , Mic
 hihiro Hamaki , Takeshi Takemura
           0           1          38          38
 inflow(i=1)New Inflow
      time   q_input    h_down
     0.000    0.0000    0.0000    0.0000 out
   900.000    0.0000    0.0000   26.6906 out
  1800.000    0.0000    0.0000   53.3812 out
  2700.000    0.0000    0.0000   43.5046 out
  3600.000    0.0000    0.0000   33.6280 out
  4500.000    0.0000    0.0000   29.6455 out
  5400.000    0.0000    0.0000   25.6630 out
  6300.000    0.0000    0.0000   23.4237 out
  7200.000    0.0000    0.0000   21.1843 out
  8100.000    0.0000    0.0000   19.7202 out
  9000.000    0.0000    0.0000   18.2561 out
  9900.000    0.0000    0.0000   17.2114 out
 10800.000    0.0000    0.0000   16.1667 out
 11700.000    0.0000    0.0000   15.3772 out
 12600.000    0.0000    0.0000   14.5878 out
 13500.000    0.0000    0.0000   13.9665 out
 14400.000    0.0000    0.0000   13.3453 out
 15300.000    0.0000    0.0000   12.8414 out
 16200.000    0.0000    0.0000   12.3375 out
 17100.000    0.0000    0.0000   11.9190 out
 18000.000    0.0000    0.0000   11.5006 out
 18900.000    0.0000    0.0000   11.1466 out
 19800.000    0.0000    0.0000   10.7926 out
 20700.000    0.0000    0.0000   10.4885 out
 21600.000    0.0000    0.0000   10.1844 out
 Finish           0
 Calcuration time   22.00000     sec.
 Calcuration time  0.3666667     min.
 Calcuration time  6.1111110E-03 hour.
```

5. Bulan Mei

```
 Nays2d_flood Solver Version 5.0.0000 Last updated 2014/5/14
 Copyright(C) by Yasuyuki Shimizu, Hokkaido Univ., Japan
 Modified by Ichiro Kimura, Toshiki Iwasaki, Satomi Kawamura,
Takuya Inoue , Mic
 hihiro Hamaki , Takeshi Takemura
           0           1          38          38
 inflow(i=1)New Inflow
      time   q_input    h_down
     0.000    0.0000    0.0000    0.0000 out
   900.000    0.0000    0.0000   17.0600 out
  1800.000    0.0000    0.0000   34.1199 out
  2700.000    0.0000    0.0000   27.8071 out
  3600.000    0.0000    0.0000   21.4942 out
  4500.000    0.0000    0.0000   18.9487 out
  5400.000    0.0000    0.0000   16.4031 out
  6300.000    0.0000    0.0000   14.9718 out
  7200.000    0.0000    0.0000   13.5405 out
  8100.000    0.0000    0.0000   12.6047 out
  9000.000    0.0000    0.0000   11.6688 out
  9900.000    0.0000    0.0000   11.0011 out
 10800.000    0.0000    0.0000   10.3333 out
 11700.000    0.0000    0.0000    9.8287 out
 12600.000    0.0000    0.0000    9.3242 out
 13500.000    0.0000    0.0000    8.9271 out
 14400.000    0.0000    0.0000    8.5300 out
 15300.000    0.0000    0.0000    8.2079 out
 16200.000    0.0000    0.0000    7.8858 out
 17100.000    0.0000    0.0000    7.6184 out
 18000.000    0.0000    0.0000    7.3509 out
 18900.000    0.0000    0.0000    7.1246 out
 19800.000    0.0000    0.0000    6.8984 out
 20700.000    0.0000    0.0000    6.7040 out
 21600.000    0.0000    0.0000    6.5096 out
 Finish           0
 Calcuration time   21.00000     sec.
 Calcuration time  0.3500000     min.
 Calcuration time  5.8333334E-03 hour.
```

6. Bulan Juni

```
 Nays2d_flood Solver Version 5.0.0000 Last updated 2014/5/14
 Copyright(C) by Yasuyuki Shimizu, Hokkaido Univ., Japan
 Modified by Ichiro Kimura, Toshiki Iwasaki, Satomi Kawamura,
Takuya Inoue , Mic
 hihiro Hamaki , Takeshi Takemura
           0           1          38          38
 inflow(i=1)New Inflow
      +ime   q_input    h_down
       000    0.0000    0.0000    0.0000 out
       000    0.0000    0.0000   16.5096 out
       000    0.0000    0.0000   33.0193 out
       000    0.0000    0.0000   26.9101 out
       000    0.0000    0.0000   20.8008 out
```

```
  4500.000    0.0000    0.0000   18.3374 out
  5400.000    0.0000    0.0000   15.8740 out
  6300.000    0.0000    0.0000   14.4889 out
  7200.000    0.0000    0.0000   13.1037 out
  8100.000    0.0000    0.0000   12.1981 out
  9000.000    0.0000    0.0000   11.2924 out
  9900.000    0.0000    0.0000   10.6462 out
 10800.000    0.0000    0.0000   10.0000 out
 11700.000    0.0000    0.0000    9.5117 out
 12600.000    0.0000    0.0000    9.0234 out
 13500.000    0.0000    0.0000    8.6391 out
 14400.000    0.0000    0.0000    8.2548 out
 15300.000    0.0000    0.0000    7.9431 out
 16200.000    0.0000    0.0000    7.6314 out
 17100.000    0.0000    0.0000    7.3726 out
 18000.000    0.0000    0.0000    7.1138 out
 18900.000    0.0000    0.0000    6.8948 out
 19800.000    0.0000    0.0000    6.6758 out
 20700.000    0.0000    0.0000    6.4877 out
 21600.000    0.0000    0.0000    6.2996 out
 Finish           0
 Calcuration time   21.00000     sec.
 Calcuration time  0.3500000     min.
 Calcuration time  5.8333334E-03 hour.
```

7. Bulan Juli

```
 Nays2d_flood Solver Version 5.0.0000 Last updated 2014/5/14
 Copyright(C) by Yasuyuki Shimizu, Hokkaido Univ., Japan
 Modified by Ichiro Kimura, Toshiki Iwasaki, Satomi Kawamura,
Takuya Inoue , Mic
 hihiro Hamaki , Takeshi Takemura
           0           1          38          38
 inflow(i=1)New Inflow
      time   q_input    h_down
     0.000    0.0000    0.0000    0.0000 out
   900.000    0.0000    0.0000   14.0332 out
  1800.000    0.0000    0.0000   28.0664 out
  2700.000    0.0000    0.0000   22.8735 out
  3600.000    0.0000    0.0000   17.6807 out
  4500.000    0.0000    0.0000   15.5868 out
  5400.000    0.0000    0.0000   13.4929 out
  6300.000    0.0000    0.0000   12.3155 out
  7200.000    0.0000    0.0000   11.1382 out
  8100.000    0.0000    0.0000   10.3684 out
  9000.000    0.0000    0.0000    9.5986 out
  9900.000    0.0000    0.0000    9.0493 out
 10800.000    0.0000    0.0000    8.5000 out
 11700.000    0.0000    0.0000    8.0849 out
 12600.000    0.0000    0.0000    7.6699 out
     000      0.0000    0.0000    7.3432 out
     000      0.0000    0.0000    7.0166 out
     000      0.0000    0.0000    6.7517 out
     000      0.0000    0.0000    6.4867 out
     000      0.0000    0.0000    6.2667 out
```

```
 18000.000    0.0000    0.0000    6.0467 out
 18900.000    0.0000    0.0000    5.8606 out
 19800.000    0.0000    0.0000    5.6745 out
 20700.000    0.0000    0.0000    5.5146 out
 21600.000    0.0000    0.0000    5.3547 out
 Finish           0
 Calcuration time   20.00000     sec.
 Calcuration time  0.3333333     min.
 Calcuration time  5.5555557E-03 hour.
```

8. Bulan Agustus

```
 Nays2d_flood Solver Version 5.0.0000 Last updated 2014/5/14
 Copyright(C) by Yasuyuki Shimizu, Hokkaido Univ., Japan
 Modified by Ichiro Kimura, Toshiki Iwasaki, Satomi Kawamura,
Takuya Inoue , Mic
 hihiro Hamaki , Takeshi Takemura
           0           1          38          38
 inflow(i=1)New Inflow
      time   q_input    h_down
     0.000    0.0000    0.0000    0.0000 out
   900.000    0.0000    0.0000    3.0268 out
  1800.000    0.0000    0.0000    6.0535 out
  2700.000    0.0000    0.0000    4.9335 out
  3600.000    0.0000    0.0000    3.8135 out
  4500.000    0.0000    0.0000    3.3619 out
  5400.000    0.0000    0.0000    2.9102 out
  6300.000    0.0000    0.0000    2.6563 out
  7200.000    0.0000    0.0000    2.4023 out
  8100.000    0.0000    0.0000    2.2363 out
  9000.000    0.0000    0.0000    2.0703 out
  9900.000    0.0000    0.0000    1.9518 out
 10800.000    0.0000    0.0000    1.8333 out
 11700.000    0.0000    0.0000    1.7438 out
 12600.000    0.0000    0.0000    1.6543 out
 13500.000    0.0000    0.0000    1.5838 out
 14400.000    0.0000    0.0000    1.5134 out
 15300.000    0.0000    0.0000    1.4562 out
 16200.000    0.0000    0.0000    1.3991 out
 17100.000    0.0000    0.0000    1.3516 out
 18000.000    0.0000    0.0000    1.3042 out
 18900.000    0.0000    0.0000    1.2640 out
 19800.000    0.0000    0.0000    1.2239 out
 20700.000    0.0000    0.0000    1.1894 out
 21600.000    0.0000    0.0000    1.1549 out
 Finish           0
 Calcuration time   12.00000     sec.
 Calcuration time  0.2000000     min.
 Calcuration time  3.3333334E-03 hour.
```


n September

```
_flood Solver Version 5.0.0000 Last updated 2014/5/14
ght(C) by Yasuyuki Shimizu, Hokkaido Univ., Japan
```

```
 Modified by Ichiro Kimura, Toshiki Iwasaki, Satomi Kawamura,
Takuya Inoue , Mic
 hihiro Hamaki , Takeshi Takemura
           0           1          38          38
 inflow(i=1)New Inflow
      time   q_input    h_down
     0.000    0.0000    0.0000    0.0000 out
   900.000    0.0000    0.0000   20.3619 out
  1800.000    0.0000    0.0000   40.7238 out
  2700.000    0.0000    0.0000   33.1891 out
  3600.000    0.0000    0.0000   25.6544 out
  4500.000    0.0000    0.0000   22.6162 out
  5400.000    0.0000    0.0000   19.5779 out
  6300.000    0.0000    0.0000   17.8696 out
  7200.000    0.0000    0.0000   16.1612 out
  8100.000    0.0000    0.0000   15.0443 out
  9000.000    0.0000    0.0000   13.9273 out
  9900.000    0.0000    0.0000   13.1303 out
 10800.000    0.0000    0.0000   12.3333 out
 11700.000    0.0000    0.0000   11.7311 out
 12600.000    0.0000    0.0000   11.1288 out
 13500.000    0.0000    0.0000   10.6549 out
 14400.000    0.0000    0.0000   10.1809 out
 15300.000    0.0000    0.0000    9.7965 out
 16200.000    0.0000    0.0000    9.4121 out
 17100.000    0.0000    0.0000    9.0929 out
 18000.000    0.0000    0.0000    8.7737 out
 18900.000    0.0000    0.0000    8.5036 out
 19800.000    0.0000    0.0000    8.2335 out
 20700.000    0.0000    0.0000    8.0015 out
 21600.000    0.0000    0.0000    7.7695 out
 Finish           0
 Calcuration time   22.00000     sec.
 Calcuration time  0.3666667     min.
 Calcuration time  6.1111110E-03 hour.
```

10. Bulan Oktober

```
 Nays2d_flood Solver Version 5.0.0000 Last updated 2014/5/14
 Copyright(C) by Yasuyuki Shimizu, Hokkaido Univ., Japan
 Modified by Ichiro Kimura, Toshiki Iwasaki, Satomi Kawamura,
Takuya Inoue , Mic
 hihiro Hamaki , Takeshi Takemura
           0           1          38          38
 inflow(i=1)New Inflow
      time   q_input    h_down
     0.000    0.0000    0.0000    0.0000 out
   900.000    0.0000    0.0000   20.6370 out
  1800.000    0.0000    0.0000   41.2741 out
  2700.000    0.0000    0.0000   33.6376 out
     000      0.0000    0.0000   26.0010 out
     000      0.0000    0.0000   22.9218 out
     000      0.0000    0.0000   19.8425 out
     000      0.0000    0.0000   18.1111 out
     000      0.0000    0.0000   16.3796 out
```

```
  8100.000    0.0000    0.0000   15.2476 out
  9000.000    0.0000    0.0000   14.1155 out
  9900.000    0.0000    0.0000   13.3078 out
 10800.000    0.0000    0.0000   12.5000 out
 11700.000    0.0000    0.0000   11.8896 out
 12600.000    0.0000    0.0000   11.2792 out
 13500.000    0.0000    0.0000   10.7989 out
 14400.000    0.0000    0.0000   10.3185 out
 15300.000    0.0000    0.0000    9.9289 out
 16200.000    0.0000    0.0000    9.5393 out
 17100.000    0.0000    0.0000    9.2158 out
 18000.000    0.0000    0.0000    8.8922 out
 18900.000    0.0000    0.0000    8.6185 out
 19800.000    0.0000    0.0000    8.3448 out
 20700.000    0.0000    0.0000    8.1097 out
 21600.000    0.0000    0.0000    7.8745 out
 Finish           0
 Calcuration time   22.00000     sec.
 Calcuration time  0.3666667     min.
 Calcuration time  6.1111110E-03 hour.
```

11. Bulan November

```
 Nays2d_flood Solver Version 5.0.0000 Last updated 2014/5/14
 Copyright(C) by Yasuyuki Shimizu, Hokkaido Univ., Japan
 Modified by Ichiro Kimura, Toshiki Iwasaki, Satomi Kawamura,
Takuya Inoue , Mic
 hihiro Hamaki , Takeshi Takemura
           0           1          38          38
 inflow(i=1)New Inflow
      time   q_input    h_down
     0.000    0.0000    0.0000    0.0000 out
   900.000    0.0000    0.0000   22.0128 out
  1800.000    0.0000    0.0000   44.0257 out
  2700.000    0.0000    0.0000   35.8801 out
  3600.000    0.0000    0.0000   27.7345 out
  4500.000    0.0000    0.0000   24.4499 out
  5400.000    0.0000    0.0000   21.1653 out
  6300.000    0.0000    0.0000   19.3185 out
  7200.000    0.0000    0.0000   17.4716 out
  8100.000    0.0000    0.0000   16.2641 out
  9000.000    0.0000    0.0000   15.0566 out
  9900.000    0.0000    0.0000   14.1950 out
 10800.000    0.0000    0.0000   13.3333 out
 11700.000    0.0000    0.0000   12.6822 out
 12600.000    0.0000    0.0000   12.0312 out
 13500.000    0.0000    0.0000   11.5188 out
 14400.000    0.0000    0.0000   11.0064 out
 15300.000    0.0000    0.0000   10.5908 out
 16200.000    0.0000    0.0000   10.1752 out
     000      0.0000    0.0000    9.8301 out
     000      0.0000    0.0000    9.4850 out
     000      0.0000    0.0000    9.1931 out
     000      0.0000    0.0000    8.9011 out
     000      0.0000    0.0000    8.6503 out
```

```
 21600.000    0.0000    0.0000    8.3995 out
 Finish           0
 Calcuration time   22.00000     sec.
 Calcuration time  0.3666667     min.
 Calcuration time  6.1111110E-03 hour.
```

12. Bulan Desember

```
 Nays2d_flood Solver Version 5.0.0000 Last updated 2014/5/14
 Copyright(C) by Yasuyuki Shimizu, Hokkaido Univ., Japan
 Modified by Ichiro Kimura, Toshiki Iwasaki, Satomi Kawamura,
Takuya Inoue , Mic
 hihiro Hamaki , Takeshi Takemura
           0           1          38          38
 inflow(i=1)New Inflow
      time   q_input    h_down
     0.000    0.0000    0.0000    0.0000 out
   900.000    0.0000    0.0000   39.0728 out
  1800.000    0.0000    0.0000   78.1456 out
  2700.000    0.0000    0.0000   63.6871 out
  3600.000    0.0000    0.0000   49.2287 out
  4500.000    0.0000    0.0000   43.3986 out
  5400.000    0.0000    0.0000   37.5685 out
  6300.000    0.0000    0.0000   34.2903 out
  7200.000    0.0000    0.0000   31.0121 out
  8100.000    0.0000    0.0000   28.8688 out
  9000.000    0.0000    0.0000   26.7254 out
  9900.000    0.0000    0.0000   25.1960 out
 10800.000    0.0000    0.0000   23.6667 out
 11700.000    0.0000    0.0000   22.5110 out
 12600.000    0.0000    0.0000   21.3553 out
 13500.000    0.0000    0.0000   20.4459 out
 14400.000    0.0000    0.0000   19.5364 out
 15300.000    0.0000    0.0000   18.7987 out
 16200.000    0.0000    0.0000   18.0610 out
 17100.000    0.0000    0.0000   17.4485 out
 18000.000    0.0000    0.0000   16.8360 out
 18900.000    0.0000    0.0000   16.3177 out
 19800.000    0.0000    0.0000   15.7995 out
 20700.000    0.0000    0.0000   15.3543 out
 21600.000    0.0000    0.0000   14.9091 out
 Finish           0
 Calcuration time   24.00000     sec.
 Calcuration time  0.4000000     min.
 Calcuration time  6.6666668E-03 hour.
```

Lampiran 19 Solver Log Pemodelan Banjir iRIC Periode Harian

1. Tanggal 1 Januari

```
 Nays2d_flood Solver Version 5.0.0000 Last updated 2014/5/14
 Copyright(C) by Yasuyuki Shimizu, Hokkaido Univ., Japan
 Modified by Ichiro Kimura, Toshiki Iwasaki, Satomi Kawamura,
Takuya Inoue , Mic
 hihiro Hamaki , Takeshi Takemura
           0           1          38          38
 inflow(i=1)New Inflow
      time   q_input    h_down
     0.000    0.0000    0.0000    0.0000 out
   900.000    0.0000    0.0000   42.6499 out
  1800.000    0.0000    0.0000   85.2998 out
  2700.000    0.0000    0.0000   69.5176 out
  3600.000    0.0000    0.0000   53.7355 out
  4500.000    0.0000    0.0000   47.3717 out
  5400.000    0.0000    0.0000   41.0079 out
  6300.000    0.0000    0.0000   37.4296 out
  7200.000    0.0000    0.0000   33.8512 out
  8100.000    0.0000    0.0000   31.5117 out
  9000.000    0.0000    0.0000   29.1721 out
  9900.000    0.0000    0.0000   27.5027 out
 10800.000    0.0000    0.0000   25.8333 out
 11700.000    0.0000    0.0000   24.5719 out
 12600.000    0.0000    0.0000   23.3104 out
 13500.000    0.0000    0.0000   22.3177 out
 14400.000    0.0000    0.0000   21.3249 out
 15300.000    0.0000    0.0000   20.5197 out
 16200.000    0.0000    0.0000   19.7145 out
 17100.000    0.0000    0.0000   19.0459 out
 18000.000    0.0000    0.0000   18.3773 out
 18900.000    0.0000    0.0000   17.8116 out
 19800.000    0.0000    0.0000   17.2459 out
 20700.000    0.0000    0.0000   16.7599 out
 21600.000    0.0000    0.0000   16.2740 out
 Finish           0
 Calcuration time   24.00000     sec.
 Calcuration time  0.4000000     min.
 Calcuration time  6.6666668E-03 hour.
```

2. Tanggal 2 Januari

```
 Nays2d_flood Solver Version 5.0.0000 Last updated 2014/5/14
 Copyright(C) by Yasuyuki Shimizu, Hokkaido Univ., Japan
 Modified by Ichiro Kimura, Toshiki Iwasaki, Satomi Kawamura,
Takuya Inoue , Mic
 hihiro Hamaki , Takeshi Takemura
           0           1          38          38
      (i=1)New Inflow
      ime   q_input    h_down
      000    0.0000    0.0000    0.0000 out
      000    0.0000    0.0000   47.3276 out
      000    0.0000    0.0000   94.6553 out
```

```
  2700.000    0.0000    0.0000   77.1422 out
  3600.000    0.0000    0.0000   59.6291 out
  4500.000    0.0000    0.0000   52.5673 out
  5400.000    0.0000    0.0000   45.5055 out
  6300.000    0.0000    0.0000   41.5347 out
  7200.000    0.0000    0.0000   37.5640 out
  8100.000    0.0000    0.0000   34.9678 out
  9000.000    0.0000    0.0000   32.3716 out
  9900.000    0.0000    0.0000   30.5192 out
 10800.000    0.0000    0.0000   28.6667 out
 11700.000    0.0000    0.0000   27.2668 out
 12600.000    0.0000    0.0000   25.8670 out
 13500.000    0.0000    0.0000   24.7654 out
 14400.000    0.0000    0.0000   23.6638 out
 15300.000    0.0000    0.0000   22.7703 out
 16200.000    0.0000    0.0000   21.8768 out
 17100.000    0.0000    0.0000   21.1348 out
 18000.000    0.0000    0.0000   20.3929 out
 18900.000    0.0000    0.0000   19.7651 out
 19800.000    0.0000    0.0000   19.1374 out
 20700.000    0.0000    0.0000   18.5981 out
 21600.000    0.0000    0.0000   18.0589 out
 Finish           0
 Calcuration time   25.00000     sec.
 Calcuration time  0.4166667     min.
 Calcuration time  6.9444445E-03 hour.
```

3. Tanggal 15 Januari

```
 Nays2d_flood Solver Version 5.0.0000 Last updated 2014/5/14
 Copyright(C) by Yasuyuki Shimizu, Hokkaido Univ., Japan
 Modified by Ichiro Kimura, Toshiki Iwasaki, Satomi Kawamura,
Takuya Inoue , Mic
 hihiro Hamaki , Takeshi Takemura
           0           1          38          38
 inflow(i=1)New Inflow
      time   q_input    h_down
     0.000    0.0000    0.0000    0.0000 out
   900.000    0.0000    0.0000   10.1809 out
  1800.000    0.0000    0.0000   20.3619 out
  2700.000    0.0000    0.0000   16.5945 out
  3600.000    0.0000    0.0000   12.8272 out
  4500.000    0.0000    0.0000   11.3081 out
  5400.000    0.0000    0.0000    9.7890 out
  6300.000    0.0000    0.0000    8.9348 out
  7200.000    0.0000    0.0000    8.0806 out
  8100.000    0.0000    0.0000    7.5221 out
  9000.000    0.0000    0.0000    6.9637 out
  9900.000    0.0000    0.0000    6.5652 out
 10800.000    0.0000    0.0000    6.1667 out
 11700.000    0.0000    0.0000    5.8655 out
 12600.000    0.0000    0.0000    5.5644 out
 13500.000    0.0000    0.0000    5.3274 out
 14400.000    0.0000    0.0000    5.0905 out
 15300.000    0.0000    0.0000    4.8983 out
```

```
 16200.000    0.0000    0.0000    4.7060 out
 17100.000    0.0000    0.0000    4.5464 out
 18000.000    0.0000    0.0000    4.3868 out
 18900.000    0.0000    0.0000    4.2518 out
 19800.000    0.0000    0.0000    4.1168 out
 20700.000    0.0000    0.0000    4.0008 out
 21600.000    0.0000    0.0000    3.8848 out
 Finish           0
 Calcuration time   19.00000     sec.
 Calcuration time  0.3166667     min.
 Calcuration time  5.2777776E-03 hour.
```

4. Tanggal 22 Januari

```
 Nays2d_flood Solver Version 5.0.0000 Last updated 2014/5/14
 Copyright(C) by Yasuyuki Shimizu, Hokkaido Univ., Japan
 Modified by Ichiro Kimura, Toshiki Iwasaki, Satomi Kawamura,
Takuya Inoue , Mic
 hihiro Hamaki , Takeshi Takemura
           0           1          38          38
 inflow(i=1)New Inflow
      time   q_input    h_down
     0.000    0.0000    0.0000    0.0000 out
   900.000    0.0000    0.0000   14.0332 out
  1800.000    0.0000    0.0000   28.0664 out
  2700.000    0.0000    0.0000   22.8735 out
  3600.000    0.0000    0.0000   17.6807 out
  4500.000    0.0000    0.0000   15.5868 out
  5400.000    0.0000    0.0000   13.4929 out
  6300.000    0.0000    0.0000   12.3155 out
  7200.000    0.0000    0.0000   11.1382 out
  8100.000    0.0000    0.0000   10.3684 out
  9000.000    0.0000    0.0000    9.5986 out
  9900.000    0.0000    0.0000    9.0493 out
 10800.000    0.0000    0.0000    8.5000 out
 11700.000    0.0000    0.0000    8.0849 out
 12600.000    0.0000    0.0000    7.6699 out
 13500.000    0.0000    0.0000    7.3432 out
 14400.000    0.0000    0.0000    7.0166 out
 15300.000    0.0000    0.0000    6.7517 out
 16200.000    0.0000    0.0000    6.4867 out
 17100.000    0.0000    0.0000    6.2667 out
 18000.000    0.0000    0.0000    6.0467 out
 18900.000    0.0000    0.0000    5.8606 out
 19800.000    0.0000    0.0000    5.6745 out
 20700.000    0.0000    0.0000    5.5146 out
 21600.000    0.0000    0.0000    5.3547 out
 Finish           0
 Calcuration time   25.00000     sec.
 Calcuration time  0.4166667     min.
    ation time  6.9444445E-03 hour.
```

5. Tanggal 25 Januari

```
 Nays2d_flood Solver Version 5.0.0000 Last updated 2014/5/14
 Copyright(C) by Yasuyuki Shimizu, Hokkaido Univ., Japan
 Modified by Ichiro Kimura, Toshiki Iwasaki, Satomi Kawamura,
Takuya Inoue , Mic
 hihiro Hamaki , Takeshi Takemura
           0           1          38          38
 inflow(i=1)New Inflow
      time   q_input    h_down
     0.000    0.0000    0.0000    0.0000 out
   900.000    0.0000    0.0000   11.5567 out
  1800.000    0.0000    0.0000   23.1135 out
  2700.000    0.0000    0.0000   18.8370 out
  3600.000    0.0000    0.0000   14.5606 out
  4500.000    0.0000    0.0000   12.8362 out
  5400.000    0.0000    0.0000   11.1118 out
  6300.000    0.0000    0.0000   10.1422 out
  7200.000    0.0000    0.0000    9.1726 out
  8100.000    0.0000    0.0000    8.5386 out
  9000.000    0.0000    0.0000    7.9047 out
  9900.000    0.0000    0.0000    7.4524 out
 10800.000    0.0000    0.0000    7.0000 out
 11700.000    0.0000    0.0000    6.6582 out
 12600.000    0.0000    0.0000    6.3164 out
 13500.000    0.0000    0.0000    6.0474 out
 14400.000    0.0000    0.0000    5.7784 out
 15300.000    0.0000    0.0000    5.5602 out
 16200.000    0.0000    0.0000    5.3420 out
 17100.000    0.0000    0.0000    5.1608 out
 18000.000    0.0000    0.0000    4.9797 out
 18900.000    0.0000    0.0000    4.8264 out
 19800.000    0.0000    0.0000    4.6731 out
 20700.000    0.0000    0.0000    4.5414 out
 21600.000    0.0000    0.0000    4.4097 out
 Finish           0
 Calcuration time   20.00000     sec.
 Calcuration time  0.3333333     min.
 Calcuration time  5.5555557E-03 hour.
```

6. Tanggal 27 Januari

```
 Nays2d_flood Solver Version 5.0.0000 Last updated 2014/5/14
 Copyright(C) by Yasuyuki Shimizu, Hokkaido Univ., Japan
 Modified by Ichiro Kimura, Toshiki Iwasaki, Satomi Kawamura,
Takuya Inoue , Mic
 hihiro Hamaki , Takeshi Takemura
           0           1          38          38
 inflow(i=1)New Inflow
      +ime   q_input    h_down
       000    0.0000    0.0000    0.0000 out
       000    0.0000    0.0000   16.5096 out
       000    0.0000    0.0000   33.0193 out
       000    0.0000    0.0000   26.9101 out
       000    0.0000    0.0000   20.8008 out
```

```
 4500.000    0.0000    0.0000   18.3374 out
 5400.000    0.0000    0.0000   15.8740 out
 6300.000    0.0000    0.0000   14.4889 out
 7200.000    0.0000    0.0000   13.1037 out
 8100.000    0.0000    0.0000   12.1981 out
 9000.000    0.0000    0.0000   11.2924 out
 9900.000    0.0000    0.0000   10.6462 out
10800.000    0.0000    0.0000   10.0000 out
11700.000    0.0000    0.0000    9.5117 out
12600.000    0.0000    0.0000    9.0234 out
13500.000    0.0000    0.0000    8.6391 out
14400.000    0.0000    0.0000    8.2548 out
15300.000    0.0000    0.0000    7.9431 out
16200.000    0.0000    0.0000    7.6314 out
17100.000    0.0000    0.0000    7.3726 out
18000.000    0.0000    0.0000    7.1138 out
18900.000    0.0000    0.0000    6.8948 out
19800.000    0.0000    0.0000    6.6758 out
20700.000    0.0000    0.0000    6.4877 out
21600.000    0.0000    0.0000    6.2996 out
Finish           0
Calcuration time   21.00000     sec.
Calcuration time  0.3500000     min.
Calcuration time  5.8333334E-03 hour.
```

Lampiran 20 Contoh Kuisioner Wawancara

KUISIONER PENELITIAN TUGAS AKHIR ANALISIS SPASIAL DAN SIMULASI POTENSI BANJIR DI WILAYAH TPA TAMANGAPA, MAKASSAR

A. IDENTITAS RESPONDEN

1. Nama :

2. Usia :

B. PERTANYAAN

1. Pekerjaan

2. Sudah berapa lama Bapak/Ibu tinggal di daerah sekitar TPA?

   a. < 5 tahun b. 5 – 10 tahun c. > 10 tahun d. Tidak menetap

3. Seberapa sering Bapak/Ibu masuk ke Kawasan TPA?

   a. Setiap hari b. Saat hari kerja c. Sekali seminggu d. Sekali sebulan

4. Apakah sering terjadi banjir di Kawasan TPA pada musim hujan?

   a. Ya b. Jarang c. Tidak

5. Apakah setiap turun hujan Kawasan TPA mudah mengalami banjir?

   a. Ya b. Tidak c. Hanya tergenang

6. Berapa ketinggian banjir yang pernah terjadi di Kawasan TPA?

   a. > 1 meter b. 0,5 – 1 meter c. < 0,5 meter

7. Berapa kali terjadi banjir di Kawasan TPA dalam kurun waktu setahun?

   a. Lebih dari 2 kali b. – 2 kali c. Tidak pernah

8. Pada bulan berapa banjir paling sering terjadi di Kawasan TPA?

9. Berapa lama hujan dalam sehari sehingga dapat menyebabkan banjir di Kawasan TPA?

   a. > 6 jam b. 1 – 5 jam c. > 1 jam

10. Wilayah mana kah yang rentan terjadi banjir di Kawasan TPA?

Lampiran 21 Dokumentasi Penelitian