

LAMPIRAN

Lampiran 1. Dokumentasi pengambilan data



Pengambilan data



Dudukan belokan pipa pesat



Dudukan pipa pesat



Bendung



Forebay



Expansion Joint



Turbin pelton PLTMH Jamus



Titik BM

“Halaman ini sengaja dikosongkan”

Lampiran 2. Tabel Curah Hujan Stasiun Hujan Ngelak Tahun 2012

CURAH HUJAN STASIUN HUJAN NGELAK (mm)												
2012	Jan	Feb	Mar	Apr	Mei	Juni	Juli	Agu	Sep	Okt	Nov	Des
1	0	9	30	0	13	0	0	0	0	0	0	14
2	75	3	0	38	6	0	0	0	0	0	0	7
3	6	11	6	2	0	0	0	0	0	0	0	5
4	12	43	7	45	0	0	0	0	0	0	8	27
5	0	33	29	3	4	0	0	0	0	0	0	0
6	3	0	0	12	18	1	0	0	0	0	0	0
7	12	0	4	11	5	29	0	0	0	0	3	11
8	3	0	11	6	1	33	0	0	0	3	0	3
9	1	0	0	7	0	29	0	0	0	0	0	0
10	23	0	9	0	0	7	0	0	0	0	0	0
11	31	6	1	0	0	2	0	0	0	0	3	23
12	9	4	0	0	0	0	0	0	0	0	0	7
13	7	49	0	0	0	0	0	0	0	0	0	31
14	13	0	0	2	0	0	0	0	0	0	0	4
15	8	4	2	0	1	0	0	0	0	0	2	6
16	15	17	2	6	0	0	0	0	0	0	14	0
17	8	7	0	3	0	0	0	0	0	0	10	29
18	35	10	2	0	2	0	0	0	0	7	4	6
19	3	0	2	0	0	0	0	0	0	0	30	0
20	0	5	3	0	0	0	0	0	0	0	10	0
21	2	0	0	0	0	15	0	0	0	27	0	7
22	4	31	0	0	0	0	0	0	0	0		0
23	5	0	0	0	1	0	0	0	0	0	31	14
24	9	1	0	0	0	0	0	0	0	0	44	16
25	0	10	0	0	0	0	0	0	0	0	3	0
26	1	0	0	2	0	0	0	0	0	1	4	23
27	1	11	2	0	0	0	0	0	0	4	9	16
28	6	0	40	1	1	0	0	0	0	0	1	29
29	6	0	0	4	0	0	0	0	0	2	19	3
30	26		3	18	0	0	0	0	0	0	18	11
31	23		1		0		0	0		0		0
Total	346,15	253,47	153,38	159,87	51,775	116,67	0	0	0	43,505	213,89	292,38
15 HARIAN I	203,15	161,67	98,449	125,58	48,292	101,69	0	0	0	3,2584	17,652	138,91
15 HARIAN II	143	91,798	54,932	34,281	3,4832	14,989	0	0	0	40,247	196,24	153,47
Hari Hujan	27,00	17,00	17,00	15,00	10,00	7,00	0,00	0,00	0,00	6,00	17,00	21,00
Rerata	12,82	14,91	9,02	10,66	5,18	16,67	0,00	0,00	0,00	7,25	12,58	13,92
Maks,	74,94	48,88	39,75	44,97	18,25	33,43	0,00	0,00	0,00	26,72	43,66	30,63

(Sumber : Olahan Penulis,2022)

Lampiran 3. Tabel Curah Hujan Stasiun Hujan Ngelak Tahun 2013

CURAH HUJAN STASIUN HUJAN NGELAK (mm)												
2013	Jan	Feb	Mar	Apr	Mei	Juni	Juli	Agu	Sep	Okt	Nov	Des
1	86	0	24	10	0	3	0	0	0	0	0	5
2	36	0	5	42	0	0	0	0	0	0	0	7
3	44	0	0	6	0	31	1	0	0	0	8	0
4	2	19	0	5	0	2	0	0	0	0	4	0
5	24	7	2	16	0	2	0	0	0	0	6	0
6	35	56	0	15	0	12	0	0	0	0	15	4
7	6	14	10	59	0	1	0	0	0	0	2	4
8	0	0	9	27	0	3	0	0	0	0	15	21
9	10	0	90	7	0	16	0	0	0	0	6	47
10	12	16	10	10	0	7	0	0	0	0	10	15
11	0	0	0	0	0	0	0	0	0	0	17	23
12	5	0	6	4	0	0	0	0	0	0	7	43
13	5	19	6	6	0	10	5	0	0	0	3	25
14	14	2	0	6	0	0	0	0	0	0	12	47
15	17	49	0	46	0	3	0	0	0	0	16	57
16	3	14	6	13	6	0	0	0	0	0	5	58
17	0	10	3	11	4	4	0	0	0	0	10	51
18	8	0	6	47	27	5	0	0	0	0	22	26
19	7	8	48	19	5	0	0	0	0	36	17	27
20	15	3	0	45	17	0	0	0	0	10	0	32
21	0	3	0	10	24	62	0	0	0	0	0	33
22	20	7	34	0	2	8	0	0	0	0	0	27
23	37	40	5	0	10	0	0	0	0	3	0	35
24	8	3	0	4	0	0	0	0	0	1	11	26
25	23	5	0	0	0	1	0	0	0	8	9	29
26	6	1	0	1	25	0	0	0	0	0	0	0
27	17	3	2	0	0	3	0	0	0	15	0	0
28	25	8	3	0	0	0	0	0	0	8	0	0
29	4		47	0	3	0	0	0	0	5	0	0
30	13		24	0	30	7	0	0	0	10	0	0
31	14		0		15		0	0		5		21
Total	494,99	289,08	342,4	410,76	169,47	179,93	6,8224	0	0	102,53	195	663
15 HARIAN I	296,17	181,29	163,38	260,17	0	89,921	6,8224	0	0	0	121	298
15 HARIAN II	198,82	107,79	179,02	150,6	169,47	90,011	0	0	0	102,53	74	365
Hari Hujan	27,00	20,00	19,00	22,00	12,00	18,00	2,00	0,00	0,00	10,00	19,00	23,00
Rerata	18,33	14,45	18,02	18,67	14,12	10,00	0,00	0,00	0,00	10,25	10,26	28,83
Maks.	86,27	56,04	90,16	58,69	30,03	61,91	5,36	0,00	0,00	36,49	22,00	58,00

(Sumber : Olahan Penulis,2022)

Lampiran 4. Tabel Curah Hujan Stasiun Hujan Ngelak Tahun 2014

CURAH HUJAN STASIUN HUJAN NGELAK (mm)												
2014	Jan	Feb	Mar	Apr	Mei	Juni	Juli	Agu	Sep	Okt	Nov	Des
1	58	10	9	11	0	0	12	0	0	0	0	10
2	40	17	15	15	10	0	17	0	0	0	0	13
3	25	21	0	0	0	0	11	0	0	0	0	9
4	27	0	10	0	15	27	0	0	0	0	0	12
5	15	17	0	21	0	0	16	0	0	0	0	15
6	19	19	15	23	0	0	9	0	0	0	0	10
7	15	0	0	15	11	0	11	0	0	0	0	8
8	17	21	17	0	17	0	8	0	0	0	0	6
9	35	19	19	17	13	0	0	0	0	0	5	11
10	25	20	10	0	0	0	0	0	0	0	0	8
11	27	0	15	22	0	0	0	0	0	0	0	23
12	25	17	17	0	10	0	19	0	0	0	0	19
13	21	19	19	25	0	0	18	0	0	0	8	22
14	20	23	23	19	0	10	17	0	0	0	11	25
15	35	25	10	21	0	0	0	0	0	0	10	26
16	38	13	0	22	15	0	0	0	0	0	9	27
17	33	0	0	20	11	0	0	0	0	0	15	18
18	32	0	9	19	0	35	0	0	0	0	8	24
19	41	11	11	14	0	31	0	0	0	0	12	21
20	33	19	13	0	0	38	11	0	0	0	0	19
21	23	15	20	0	0	0	0	0	30	0	12	15
22	21	10	0	22	25	0	0	0	0	0	15	21
23	22	0	0	23	0	0	9	0	0	0	14	24
24	31	0	0	27	0	0	11	0	0	0	0	18
25	33	0	0	15	0	10	0	9	0	0	0	0
26	31	0	0	19	0	2	8	0	0	0	16	22
27	27	0	19	10	15	7	0	0	0	0	0	16
28	36	11	21	21	0	0	9	0	0	0	0	23
29	31		27	20	0	0	0	0	0	0	12	12
30	29		17	19	0	0	0	0	0	0	0	0
31	27		22		0		0	0		0		8
Total	892	307	338	440	142	160	186	9	30	0	147	485
15 HARIAN I	404	228	179	189	76	37	138	0	0	0	34	217
15 HARIAN II	488	79	159	251	66	123	48	9	30	0	113	268
Hari Hujan	31,00	18,00	21,00	23,00	10,00	8,00	15,00	1,00	1,00	0,00	13,00	29,00
Rerata	28,77	17,06	16,10	19,13	14,20	20,00	0,00	0,00	0,00	0,00	11,31	16,72
Maks,	58,00	25,00	27,00	27,00	25,00	38,00	19,00	9,00	30,00	0,00	16,00	27,00

(Sumber : Olahan Penulis,2022)

Lampiran 5. Tabel Curah Hujan Stasiun Hujan Ngelak Tahun 2015

CURAH HUJAN STASIUN HUJAN NGELAK (mm)												
2015	Jan	Feb	Mar	Apr	Mei	Juni	Juli	Agu	Sep	Okt	Nov	Des
1	21	15	13	13	0	0	0	0	0	0	0	0
2	15	21	21	17	0	0	0	0	0	0	0	6
3	16	27	19	8	0	0	0	0	0	0	0	0
4	24	26	12	11	0	0	0	0	0	0	0	1
5	22	22	13	9	0	0	0	0	0	0	5	0
6	10	19	20	14	0	0	0	16	0	0	3	1
7	0	20	18	10	0	0	0	0	0	0	6	5
8	0	25	21	0	0	0	0	0	0	0	7	2
9	0	23	0	10	0	0	0	0	0	0	0	43
10	0	18	0	0	0	0	0	0	0	0	10	0
11	21	23	15	9	0	0	0	0	0	0	0	0
12	19	21	20	11	0	0	0	0	0	0	0	0
13	14	18	22	14	0	0	0	0	0	0	0	0
14	20	0	12	9	0	0	0	0	0	0	1	18
15	23	18	19	17	0	0	0	0	0	0	3	15
16	18	20	10	8	0	0	0	0	0	0	0	0
17	0	0	8	11	0	0	0	0	0	0	11	3
18	17	21	11	12	0	0	0	0	0	0	10	0
19	14	17	8	10	0	0	0	0	0	0	30	56
20	18	17	7	9	0	0	0	0	0	0	0	9
21	19	14	13	0	0	0	0	0	0	0	0	0
22	16	21	17	0	0	0	0	0	0	0	0	0
23	21	25	11	0	0	0	0	0	0	0	0	0
24	14	23	14	0	0	0	0	0	0	0	0	4
25	19	19	17	0	5	0	0	0	0	0	0	0
26	12	0	20	0	0	0	0	0	0	0	15	5
27	15	0	18	0	0	0	0	0	0	0	0	10
28	20	0	14	0	0	0	0	0	0	0	0	3
29	18		21	0	0	0	0	0	0	0	0	7
30	14		19	0	1	0	0	0	0	0	0	9
31	12		19		1		0	0		0		8
Total	452	473	452	202	7	0	0	15,674	0	0	103,08	205,16
15 HARIAN I	205	296	225	152	0	0	0	15,674	0	0	36,304	90,438
15 HARIAN II	247	177	227	50	7	0	0	0	0	0	66,775	114,72
Hari Hujan	26,00	23,00	29,00	18,00	3,00	0,00	0,00	1,00	0,00	0,00	11,00	18,00
Rerata	17,38	20,57	15,59	11,22	2,33	0,00	0,00	0,00	0,00	0,00	9,37	11,40
Maks.	24,00	27,00	22,00	17,00	4,56	0,00	0,00	15,67	0,00	0,00	30,25	55,88

(Sumber : Olahan Penulis,2022)

Lampiran 6. Tabel Curah Hujan Stasiun Hujan Ngelak Tahun 2016

CURAH HUJAN STASIUN HUJAN NGELAK (mm)												
2016	Jan	Feb	Mar	Apr	Mei	Juni	Juli	Agu	Sep	Okt	Nov	Des
1	0	11	0	0	6	0	0	0	0	6	0	5
2	0	9	8	0	0	0	0	0	0	8	8	6
3	0	13	5	6	0	0	0	0	0	11	11	3
4	0	6	0	5	5	8	0	0	0	10	7	5
5	8	0	11	0	0	7	0	0	0	7	0	0
6	10	0	9	0	6	0	0	0	0	10	0	6
7	0	0	11	7	0	0	0	0	0	5	0	1
8	0	8	0	0	0	6	0	0	0	9	9	9
9	7	10	7	0	5	8	0	0	0	12	6	2
10	8	0	0	0	0	0	0	0	0	7	8	0
11	11	6	6	7	0	12	0	6	9	9	11	6
12	0	8	0	6	6	10	0	5	7	7	21	4
13	6	7	0	0	8	8	0	6	6	0	22	2
14	8	0	0	8	0	9	0	7	0	10	24	13
15	0	0	8	0	6	10	0	0	0	9	21	10
16	10	0	0	5	0	7	8	0	0	0	20	8
17	9	0	0	5	5	8	6	0	8	0	0	6
18	8	0	10	0	0	10	7	0	6	0	0	1
19	0	0	0	6	7	9	10	0	8	0	19	6
20	10	0	0	0	0	10	6	0	0	0	21	7
21	9	71	8	11	0	7	0	0	11	8	63	0
22	8	4	10	8	9	8	0	0	8	11	75	0
23	0	12	11	0	7	5	0	0	6	9	85	0
24	5	89	0	9	10	8	6	0	0	0	93	2
25	0	82	0	11	0	6	0	7	8	11	90	1
26	10	0	5	0	8	0	0	5	3	8	65	0
27	13	13	9	12	11	0	0	0	4	7	53	5
28	10	16	0	10	0	5	5	6	0	0	98	4
29	0	31	8	0	7	0	6	0	0	0	50	0
30	8		7	0	0	0	0	0	0	0	70	0
31	0		0		5		0	0		0		0
Total	158	396	133	116	111	161	54	42	84	174	950	110,9
15 HARIAN I	58	78	65	39	42	78	0	24	22	120	148	70,855
15 HARIAN II	100	318	68	77	69	83	54	18	62	54	802	40,045
Hari Hujan	18,00	17,00	16,00	15,00	16,00	20,00	8,00	7,00	12,00	20,00	24,00	22,00
Rerata	8,78	23,29	8,31	7,73	6,94	8,05	0,00	0,00	0,00	8,70	39,58	5,04
Maks,	13,00	89,00	11,00	12,00	11,00	12,00	10,00	7,00	11,00	12,00	98,00	13,40

(Sumber : Olahan Penulis,2022)

Lampiran 7. Tabel Curah Hujan Stasiun Hujan Ngelak Tahun 2017

CURAH HUJAN STASIUN HUJAN NGELAK (mm)												
2017	Jan	Feb	Mar	Apr	Mei	Juni	Juli	Agu	Sep	Okt	Nov	Des
1	6	8	35	5	0	0	0	0	0	26	0	0
2	0	15	38	2	4	0	0	0	0	22	0	0
3	8	1	42	20	4	0	0	0	0	27	0	0
4	0	42	28	16	6	0	0	0	0	31	0	0
5	0	6	22	6	2	0	0	0	0	15	3	15
6	11	25	24	10	8	0	0	0	0	0	0	12
7	4	1	30	6	0	0	0	0	0	0	1	0
8	6	10	28	1	0	0	0	0	0	25	1	10
9	0	52	0	0	0	0	0	0	0	0	0	14
10	0	13	0	4	5	0	0	0	0	19	13	10
11	0	0	0	5	0	0	0	0	0	0	2	10
12	7	0	0	18	0	0	0	0	0	0	10	14
13	6	2	0	14	0	0	0	0	0	0	5	0
14	1	1	0	19	0	0	0	0	0	0	15	0
15	5	14	0	8	3	0	0	0	0	0	30	0
16	58	11	0	13	0	0	0	0	0	23	20	8
17	6	2	0	11	0	0	0	0	0	28	11	6
18	35	4	0	13	0	0	0	0	0	0	14	10
19	0	1	0	4	0	0	0	0	0	0	6	0
20	17	16	0	5	0	0	0	0	0	21	6	0
21	5	2	0	5	0	0	0	0	0	0	5	0
22	0	3	0	2	0	0	0	0	0	0	4	0
23	15	1	0	15	0	0	0	0	0	0	4	0
24	0	25	0	8	0	0	0	0	0	15	6	8
25	22	10	0	5	0	0	0	0	0	21	13	12
26	0	5	0	10	0	0	0	0	10	0	5	15
27	26	6	0	3	9	0	0	0	8	0	18	0
28	19	0	0	8	0	0	0	0	15	0	17	0
29	38		0	5	28	0	0	0	10	0	13	0
30	5		0	4	1	0	0	0	9	0	0	8
31	5		0		8		0	0		0		0
Total	303,51	277,08	247	246,31	77,719	0	0	0	52	273	222,07	152
15 HARIAN I	53,719	189,92	247	135,92	31,45	0	0	0	0	165	79,675	85
15 HARIAN II	249,8	87,157	0	110,39	46,27	0	0	0	52	108	142,39	67
Hari Hujan	21,00	25,00	8,00	29,00	11,00	0,00	0,00	0,00	5,00	12,00	23,00	14,00
Rerata	14,45	11,08	30,88	8,49	7,07	0,00	0,00	0,00	0,00	22,75	9,66	10,86
Maks.	57,53	51,54	42,00	19,75	28,16	0,00	0,00	0,00	15,00	31,00	29,61	15,00

(Sumber : Olahan Penulis,2022)

Lampiran 8. Tabel Curah Hujan Stasiun Hujan Ngelak Tahun 2018

CURAH HUJAN STASIUN HUJAN NGELAK (mm)												
2018	Jan	Feb	Mar	Apr	Mei	Juni	Juli	Agu	Sep	Okt	Nov	Des
1	0	8	8	10	0	0	0	0	0	0	0	0
2	0	12	6	8	0	0	0	0	0	0	0	1
3	8	10	0	12	0	0	0	0	0	4	0	3
4	0	14	0	0	0	0	0	0	0	0	0	5
5	0	0	14	0	0	0	0	0	0	0	0	6
6	10	0	10	0	0	0	0	0	0	0	0	0
7	6	10	8	8	0	0	0	0	0	0	0	6
8	12	8	0	6	0	0	0	0	0	0	0	16
9	0	6	0	0	0	0	0	0	0	0	0	8
10	0	11	0	0	0	0	0	0	0	0	0	0
11	12	8	0	12	0	0	5	0	0	0	0	3
12	10	10	0	8	0	0	0	0	0	0	0	0
13	0	0	0	14	0	0	0	0	0	0	0	0
14	0	0	0	10	0	0	10	0	0	0	0	0
15	8	0	0	0	5	0	0	0	0	0	0	7
16	10	0	8	0	3	10	0	0	0	0	0	0
17	15	0	6	10	0	8	0	0	0	0	0	0
18	0	0	0	14	0	12	0	0	0	0	0	0
19	8	0	0	16	0	6	0	0	0	0	0	0
20	12	0	0	22	0	0	0	0	0	0	0	0
21	0	10	10	8	0	6	0	0	0	0	0	0
22	0	13	14	6	0	10	0	0	0	0	0	6
23	0	14	16	0	0	0	0	0	0	0	0	12
24	0	0	8	0	0	0	0	0	0	0	0	3
25	0	0	0	0	0	0	0	0	0	0	0	9
26	0	12	0	0	0	0	0	0	0	9	0	5
27	0	16	14	0	0	0	0	0	0	0	0	7
28	0	10	10	0	0	0	0	0	0	0	0	0
29	0		12	0	0	0	0	0	0	0	0	0
30	0		0	0	0	0	0	0	0	0	0	0
31	0		0		0		0	0		0		3
Total	111	172	144	164	7,8202	52	15	0	0	12,54	0	98,45
15 HARIAN I	66	97	46	88	5,2134	0	15	0	0	3,8315	0	54,27
15 HARIAN II	45	75	98	76	2,6067	52	0	0	0	8,708	0	44,18
Hari Hujan	11,00	16,00	14,00	15,00	2,00	6,00	2,00	0,00	0,00	2,00	0,00	16,00
Rerata	10,09	10,75	10,29	10,93	3,91	8,67	0,00	0,00	0,00	6,27	0,00	6,15
Maks,	15,00	16,00	16,00	22,00	5,21	12,00	10,00	0,00	0,00	8,71	0,00	15,66

(Sumber : Olahan Penulis,2022)

Lampiran 9. Tabel Curah Hujan Stasiun Hujan Ngelak Tahun 2019

CURAH HUJAN STASIUN HUJAN NGELAK (mm)												
2019	Jan	Feb	Mar	Apr	Mei	Juni	Juli	Agu	Sep	Okt	Nov	Des
1	10	19	11	12	14	0	0	0	0	0	0	0
2	17	10	12	10	10	0	0	0	0	0	0	0
3	11	22	10	16	12	0	0	0	0	0	0	20
4	21	12	0	0	0	0	0	0	0	0	0	19
5	15	8	0	0	0	0	0	0	0	0	0	15
6	22	0	0	0	0	0	0	0	0	0	0	0
7	8	0	0	8	12	0	3	0	0	0	0	0
8	15	13	8	11	8	0	0	0	0	0	0	8
9	19	10	14	0	6	0	0	0	0	0	5	18
10	21	0	10	0	0	0	0	0	0	0	0	20
11	22	20	10	10	10	0	0	0	0	0	0	15
12	19	23	8	14	13	0	0	0	0	0	0	18
13	15	18	0	12	10	0	0	0	0	0	0	22
14	13	20	0	8	10	0	0	0	0	0	0	25
15	19	14	10	0	0	0	0	0	0	0	0	0
16	21	0	14	0	0	0	0	0	0	0	8	0
17	10	0	15	0	0	0	0	0	0	0	0	35
18	13	0	14	0	0	0	0	0	0	0	0	40
19	16	15	8	10	0	0	0	0	0	0	0	0
20	21	18	0	12	0	0	0	0	0	0	2	44
21	19	18	8	6	6	0	0	0	0	0	0	28
22	17	24	10	11	8	0	0	0	0	0	0	22
23	12	26	0	12	10	0	0	0	0	0	6	0
24	0	20	0	8	0	0	0	0	0	0	0	22
25	0	18	12	0	0	0	0	0	0	0	0	24
26	0	0	0	0	0	0	0	0	0	6	10	29
27	15	0	0	8	0	0	0	0	0	0	0	31
28	28	0	0	10	0	10	0	0	0	0	0	0
29	16		8	0	0	0	0	0	0	5	0	0
30	18		0	0	0	0	0	0	0	0	0	33
31	22		10		0		0	0		0		32
Total	475	328	192	178	129	10	3	0	0	11	31	520
15 HARIAN I	247	189	93	101	105	0	3	0	0	0	5	180
15 HARIAN II	228	139	99	77	24	10	0	0	0	11	26	340
Hari Hujan	28,00	19,00	18,00	17,00	13,00	1,00	1,00	0,00	0,00	2,00	5,00	21,00
Rerata	16,96	17,26	10,67	10,47	9,92	10,00	0,00	0,00	0,00	5,50	6,20	24,76
Maks.	28,00	26,00	15,00	16,00	14,00	10,00	3,00	0,00	0,00	6,00	10,00	44,00

(Sumber : Olahan Penulis,2022)

Lampiran 10. Tabel Curah Hujan Stasiun Hujan Ngelak Tahun 2020

CURAH HUJAN STASIUN HUJAN NGELAK (mm)												
2020	Jan	Feb	Mar	Apr	Mei	Juni	Juli	Agu	Sep	Okt	Nov	Des
1	15	13	10	0	8	10	0	0	0	8	10	15
2	10	16	13	0	0	8	8	0	0	12	12	10
3	18	18	17	0	0	0	6	0	0	0	0	7
4	11	0	12	0	10	0	0	6	10	0	0	0
5	0	0	16	8	13	12	0	8	0	15	0	0
6	0	19	10	13	0	13	0	10	0	6	0	15
7	10	8	8	0	0	0	10	0	0	0	0	0
8	15	10	12	0	0	0	0	0	6	0	0	10
9	14	0	16	10	12	6	13	0	0	16	0	13
10	13	10	20	12	6	8	0	10	0	8	0	8
11	8	19	11	0	16	0	0	0	8	15	15	10
12	15	22	17	0	14	6	0	0	6	20	10	8
13	10	26	21	8	10	0	0	0	0	8	22	0
14	6	28	23	11	16	0	0	0	0	0	0	15
15	22	0	19	20	0	0	0	0	0	7	0	0
16	18	0	28	13	0	10	0	0	10	9	0	10
17	0	19	22	14	10	0	0	0	0	0	8	15
18	0	21	27	6	6	0	0	0	0	12	10	0
19	19	23	21	0	8	0	0	0	6	8	0	9
20	0	24	18	0	10	0	0	0	0	10	14	8
21	0	14	10	8	0	0	8	0	10	10	8	8
22	0	16	6	6	0	0	3	0	0	6	0	7
23	18	19	12	0	10	0	0	0	0	0	15	8
24	16	21	8	0	16	0	0	0	0	16	0	0
25	22	0	16	0	8	0	0	0	0	0	22	18
26	0	0	10	12	0	0	10	0	6	8	12	0
27	8	19	15	14	14	0	0	0	0	10	0	13
28	16	18	8	0	0	0	0	0	0	0	0	0
29	14	22	6	0	0	0	8	0	0	14	5	8
30	15		8	0	0	0	0	0	0	0	0	5
31	5		2		0		0	0		15		0
Total	318	405	442	155	187	73	66	34	62	233	163	220
15 HARIAN I	167	189	225	82	105	63	37	34	30	115	69	111
15 HARIAN II	151	216	217	73	82	10	29	0	32	118	94	109
Hari Hujan	23,00	22,00	31,00	14,00	17,00	8,00	8,00	4,00	8,00	21,00	13,00	21,00
Rerata	13,83	18,41	14,26	11,07	11,00	9,13	0,00	0,00	0,00	11,10	12,54	10,48
Maks,	22,00	28,00	28,00	20,00	16,00	13,00	13,00	10,00	10,00	20,00	22,00	18,00

(Sumber : Olahan Penulis,2022)

Lampiran 11. Tabel Curah Hujan Stasiun Hujan Ngelak Tahun 2021

CURAH HUJAN STASIUN HUJAN NGELAK (mm)												
2021	Jan	Feb	Mar	Apr	Mei	Juni	Juli	Agu	Sep	Okt	Nov	Des
1	0	10	0	8	8	5	0	0	0	0	5	17
2	0	16	0	6	12	10	0	0	0	0	8	15
3	0	8	1	0	0	0	0	0	0	0	0	0
4	0	17	0	0	0	0	0	0	0	0	0	0
5	9	15	2	0	10	8	0	2	0	0	10	14
6	17	0	4	0	14	0	0	0	0	0	12	10
7	0	0	2	12	0	0	3	1	0	0	10	0
8	1	9	19	0	6	10	0	1	0	4	0	0
9	0	15	12	0	8	0	6	0	0	6	15	0
10	7	18	1	8	0	3	4	0	0	0	10	15
11	4	16	0	0	6	10	0	0	0	0	10	16
12	0	8	4	0	0	8	0	0	0	0	15	14
13	2	19	16	0	0	0	0	0	10	10	19	22
14	0	22	3	0	8	0	0	0	0	15	8	0
15	0	0	11	10	0	0	0	0	0	0	0	0
16	0	15	0	0	0	15	0	0	8	0	10	10
17	2	10	0	0	10	10	0	0	6	0	12	15
18	4	0	12	12	0	0	0	0	0	0	16	18
19	1	22	4	0	0	0	0	0	0	0	8	0
20	0	0	0	0	0	0	0	0	0	0	10	10
21	4	0	0	0	10	0	0	0	0	0	15	10
22	7	18	0	0	0	0	0	0	0	0	8	16
23	5	23	0	0	15	0	0	0	0	0	10	12
24	8	0	8	0	9	0	0	0	0	0	15	8
25	61	0	3	5	0	6	0	0	0	10	17	0
26	19	16	5	0	0	0	0	0	4	0	0	10
27	9	17	11	0	8	8	0	0	6	0	0	10
28	2	15	28	0	10	0	0	0	0	12	0	12
29	0		29	0	0	0	0	0	0	10	10	14
30	2		25	10	0	0	0	0	0	8	5	5
31	2		18		0		0	0		0		0
Total	164,85	309	218,2	71	134	93	13	3,4832	34	75	258	273
15 HARIAN I	39,742	173	74,529	44	72	54	13	3,4832	10	35	122	123
15 HARIAN II	125,11	136	143,67	27	62	39	0	0	24	40	136	150
Hari Hujan	19,00	20,00	21,00	8,00	14,00	11,00	3,00	3,00	5,00	8,00	23,00	21,00
Rerata	8,68	15,45	10,39	8,88	9,57	8,45	0,00	0,00	0,00	9,38	11,22	13,00
Maks.	60,88	23,00	28,56	12,00	15,00	15,00	6,00	1,57	10,00	15,00	19,00	22,00

(Sumber : Olahan Penulis,2022)

Lampiran 12. Tabel Curah Hujan Stasiun Hujan Waduk Gebyar Tahun 2012

CURAH HUJAN STASIUN HUJAN WADUK GEBYAR (mm)												
2012	Jan	Feb	Mar	Apr	Mei	Juni	Juli	Agu	Sep	Okt	Nov	Des
1	0	8	46	0	20	0	0	0	0	0	0	0
2	115	0	0	58	9	0	0	0	0	0	0	7
3	0	8	0	0	0	0	0	0	0	0	0	5
4	6	47	0	69	0	0	0	0	0	0	13	36
5	0	34	45	0	0	0	0	0	0	0	0	0
6	0	0	0	3	28	0	0	0	0	0	0	0
7	18	0	0	3	0	16	0	0	0	0	5	0
8	0	0	11	0	0	39	0	0	0	5	0	0
9	0	0	0	10	0	40	0	0	0	0	0	0
10	36	0	14	0	0	11	0	0	0	0	0	0
11	46	0	0	0	0	3	0	0	0	0	0	35
12	11	5	0	0	0	0	0	0	0	0	0	11
13	6	75	0	0	0	0	0	0	0	0	0	47
14	4	0	0	0	0	0	0	0	0	0	0	0
15	12	0	3	0	0	0	0	0	0	0	0	0
16	17	17	0	0	0	0	0	0	0	0	15	0
17	0	0	0	0	0	0	0	0	0	0	15	44
18	28	0	0	0	0	0	0	0	0	9	0	4
19	5	0	3	0	0	0	0	0	0	0	33	0
20	0	7	5	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	23	0	0	0	41	0	0
22	6	47	0	0	0	0	0	0	0	0	0	0
23	7	0	0	0	0	0	0	0	0	0	45	0
24	10	0	0	0	0	0	0	0	0	0	67	24
25	0	10	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	15
27	0	0	3	0	0	0	0	0	0	0	0	11
28	0	0	61	0	0	0	0	0	0	0	0	29
29	0	0	0	0	0	0	0	0	0	0	12	0
30	40		0	20	0	0	0	0	0	0	27	0
31	30		0		0		0	0		0		0
Total	397	258	191	163	57	132	0	0	0	55	232	268
15 HARIAN I	254	177	119	143	57	109	0	0	0	5	18	141
15 HARIAN II	143	81	72	20	0	23	0	0	0	50	214	127
Hari Hujan	17	10	9	6	3	6	0	0	0	3	9	12
Rerata	23	26	21	27	19	22	0	0	0	18	26	22
Maks,	115	75	61	69	28	40	0	0	0	41	67	47

(Sumber : Olahan Penulis,2022)

Lampiran 13. Tabel Curah Hujan Stasiun Hujan Waduk Gebyar Tahun 2013

CURAH HUJAN STASIUN HUJAN WADUK GEBYAR (mm)												
2013	Jan	Feb	Mar	Apr	Mei	Juni	Juli	Agu	Sep	Okt	Nov	Des
1	111	0	37	15	0	0	0	0	0	0	0	0
2	42	0	0	63	0	0	0	0	0	0	0	6
3	61	0	0	4	0	37	1	0	0	0	0	28
4	0	21	0	0	0	3	0	0	0	0	0	4
5	37	0	0	25	0	0	0	0	0	0	0	0
6	41	86	0	15	0	14	0	0	0	0	11	0
7	9	5	0	66	0	0	0	0	0	0	13	0
8	0	0	0	35	0	0	0	0	0	0	0	52
9	0	0	133	0	0	16	0	0	0	0	0	35
10	13	0	0	0	0	4	0	0	0	0	0	20
11	0	0	0	0	0	0	0	0	0	0	19	11
12	7	0	0	0	0	0	0	0	0	0	25	17
13	0	25	0	0	0	10	2	0	0	0	5	0
14	15	0	0	9	0	0	0	0	0	0	0	26
15	26	53	0	63	0	0	0	0	0	0	0	48
16	4	16	3	11	0	0	0	0	0	0	21	4
17	0	0	5	6	0	3	0	0	0	0	0	47
18	0	0	7	50	37	0	0	0	0	0	38	12
19	5	0	57	16	0	0	0	0	0	56	0	15
20	20	5	0	61	26	0	0	0	0	16	0	0
21	0	5	0	16	37	95	0	0	0	0	0	19
22	31	0	46	0	0	12	0	0	0	0	0	0
23	40	53	0	0	15	0	0	0	0	0	0	41
24	9	0	0	0	0	0	0	0	0	0	0	0
25	16	8	0	0	0	0	0	0	0	11	0	0
26	0	0	0	0	36	0	0	0	0	0	37	0
27	16	5	0	0	0	3	0	0	0	16	0	0
28	16	13	0	0	0	0	0	0	0	12	0	0
29	6		61	0	0	0	0	0	0	8	0	0
30	20		15	0	37	0	0	0	0	7	0	0
31	20		0		17		0	0		3		0
Total	565	295	364	455	205	197	3	0	0	129	169	385
15 HARIAN I	362	190	170	295	0	84	3	0	0	0	73	247
15 HARIAN II	203	105	194	160	205	113	0	0	0	129	96	138
Hari Hujan	22	12	9	15	7	10	2	0	0	8	8	16
Rerata	26	25	40	30	29	20	0	0	0	16	21	24
Maks.	111	86	133	66	37	95	2	0	0	56	38	52

(Sumber : Olahan Penulis,2022)

Lampiran 14. Tabel Curah Hujan Stasiun Hujan Waduk Gebyar Tahun 2014

CURAH HUJAN STASIUN HUJAN WADUK GEBYAR (mm)												
2014	Jan	Feb	Mar	Apr	Mei	Juni	Juli	Agu	Sep	Okt	Nov	Des
1	8	7	12	10	0	0	0	0	0	0	0	0
2	0	15	10	25	0	0	0	0	0	0	0	0
3	0	23	0	20	0	0	0	0	0	0	0	0
4	0	25	0	23	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	6
6	10	0	0	0	0	0	0	0	0	0	0	0
7	7	0	0	0	0	0	0	0	0	0	0	0
8	6	0	0	0	0	0	0	0	0	0	0	12
9	5	0	0	0	0	0	0	0	0	0	62	0
10	0	0	0	0	0	0	0	0	0	0	22	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	25
13	40	0	52	0	0	0	0	0	0	0	0	0
14	25	13	0	41	50	0	0	0	0	0	10	0
15	53	0	0	0	19	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	2	6	0	0	0	0	0	0	0	0	0	12
18	7	8	34	0	0	84	0	0	0	0	0	0
19	11	0	15	0	0	0	0	0	0	0	52	37
20	10	0	0	0	0	0	0	0	0	0	0	40
21	14	10	0	50	43	0	0	0	0	0	0	32
22	28	0	0	0	0	0	0	0	0	0	63	10
23	13	0	10	0	0	0	0	0	0	0	42	8
24	0	0	47	0	0	0	0	0	0	0	30	0
25	4	0	14	13	0	0	0	0	0	0	22	0
26	6	0	0	9	0	0	0	0	0	0	12	9
27	5	0	0	25	0	0	0	0	0	0	0	12
28	10	0	0	27	0	28	0	0	0	0	0	0
29	14		42	16	0	0	0	0	0	0	7	0
30	13		66	0	0	0	0	0	0	0	10	0
31	10		48		0		0	0		0		0
Total	301	107	350	259	112	112	0	0	0	0	332	203
15 HARIAN I	154	83	74	119	69	0	0	0	0	0	94	43
15 HARIAN II	147	24	276	140	43	112	0	0	0	0	238	160
Hari Hujan	22	8	11	11	3	2	0	0	0	0	11	11
Rerata	14	13	32	24	37	56	0	0	0	0	30	18
Maks,	53	25	66	50	50	84	0	0	0	0	63	40

(Sumber : Olahan Penulis,2022)

Lampiran 15. Tabel Curah Hujan Stasiun Hujan Waduk Gebyar Tahun 2015

CURAH HUJAN STASIUN HUJAN WADUK GEBYAR (mm)												
2015	Jan	Feb	Mar	Apr	Mei	Juni	Juli	Agu	Sep	Okt	Nov	Des
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	7	0	0	0	0	0	0	0	0	9
3	0	32	0	0	0	0	0	0	0	0	0	0
4	0	0	8	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	25	10	0	0	0	0	0	0	0	0	0
7	0	0	0	16	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	17	17	0	0	0	0	0	0	0	60
10	0	0	0	30	0	0	0	0	0	0	6	0
11	0	0	26	0	0	0	0	0	0	0	0	0
12	0	0	25	0	0	0	0	0	0	0	0	0
13	7	0	0	6	0	0	0	0	0	0	0	0
14	32	0	9	0	0	0	0	0	0	0	0	27
15	0	0	0	5	0	0	0	0	0	0	0	23
16	0	0	0	83	0	0	0	0	0	0	0	0
17	7	20	0	0	0	0	0	0	0	0	9	0
18	0	35	25	0	0	0	0	0	0	0	0	0
19	93	75	27	0	0	0	0	0	0	0	40	82
20	0	0	32	0	0	0	0	0	0	0	0	0
21	0	0	42	0	0	0	0	0	0	0	0	0
22	0	0	91	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	61	0	0	0	0	0	0	0	0	0
25	0	0	67	0	7	0	0	0	0	0	0	0
26	0	0	8	0	0	0	0	0	0	0	23	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0		0	0	0	0	0	0	0	0	0	0
30	0		0	0	0	0	0	0	0	0	0	6
31	0		0		0		0	0		0		10
Total	139	187	455	157	7	0	0	0	0	0	78	217
15 HARIAN I	39	57	102	74	0	0	0	0	0	0	6	119
15 HARIAN II	100	130	353	83	7	0	0	0	0	0	72	98
Hari Hujan	4	5	15	6	1	0	0	0	0	0	4	7
Rerata	35	37	30	26	7	0	0	0	0	0	20	31
Maks.	93	75	91	83	7	0	0	0	0	0	40	82

(Sumber : Olahan Penulis,2022)

Lampiran 16. Tabel Curah Hujan Stasiun Hujan Waduk Gebyar Tahun 2016

CURAH HUJAN STASIUN HUJAN WADUK GEBYAR (mm)												
2016	Jan	Feb	Mar	Apr	Mei	Juni	Juli	Agu	Sep	Okt	Nov	Des
1	0	5	9	20	0	0	0	0	28	6	41	0
2	0	0	3	0	0	0	0	0	17	5	31	0
3	0	0	8	0	0	0	0	0	10	0	2	0
4	0	0	0	0	0	9	0	0	0	0	0	7
5	0	54	0	0	0	0	0	0	0	15	85	0
6	0	45	0	0	0	0	0	0	0	18	94	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	41	0	5	0	13	0	7	0	6	0	9
9	6	0	0	0	0	0	0	0	0	14	0	0
10	0	0	0	0	0	0	9	0	21	7	0	0
11	9	14	7	0	0	0	0	0	0	9	14	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	61	0	0	9	0	18	0	0	0	0	0
14	0	75	5	0	0	27	0	0	0	0	0	4
15	0	105	24	0	0	0	0	3	0	8	0	0
16	0	10	0	0	0	0	0	4	0	0	0	0
17	0	50	0	0	0	0	0	0	29	22	0	0
18	0	0	0	18	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	19	0
20	0	0	0	0	5	8	0	0	0	0	9	0
21	0	0	0	0	0	5	0	0	40	23	6	0
22	23	24	0	0	0	0	0	0	0	28	10	0
23	46	0	0	9	0	0	0	0	0	30	0	0
24	0	0	0	0	0	0	0	0	0	49	18	0
25	0	10	7	6	0	0	0	0	17	0	11	0
26	14	0	0	0	0	0	0	0	19	0	16	0
27	0	0	0	0	7	0	0	8	0	38	98	8
28	0	17	10	0	0	0	0	4	0	40	27	0
29	0	15	0	0	0	16	0	0	0	24	101	0
30	0		14	11	0	0	0	0	0	6	0	0
31	0		6		0		0	0		0		0
Total	98	526	93	69	21	78	27	26	181	348	582	28
15 HARIAN I	15	400	56	25	9	49	27	10	76	88	267	20
15 HARIAN II	83	126	37	44	12	29	0	16	105	260	315	8
Hari Hujan	5	14	10	6	3	6	2	5	8	18	16	4
Rerata	20	38	9	12	7	13	0	0	0	19	36	7
Maks,	46	105	24	20	9	27	18	8	40	49	101	9

(Sumber : Olahan Penulis,2022)

Lampiran 17. Tabel Curah Hujan Stasiun Hujan Waduk Gebyar Tahun 2017

CURAH HUJAN STASIUN HUJAN WADUK GEBYAR (mm)												
2017	Jan	Feb	Mar	Apr	Mei	Juni	Juli	Agu	Sep	Okt	Nov	Des
1	9	6	0	2	0	0	0	0	0	0	0	9
2	0	9	0	1	0	0	0	0	0	3	0	0
3	13	0	0	14	0	0	0	0	0	0	0	0
4	0	64	0	16	9	0	0	0	0	0	0	0
5	0	0	0	4	0	0	0	0	0	0	3	0
6	17	38	3	4	0	0	0	0	0	0	0	0
7	6	0	0	9	0	0	0	0	0	0	2	0
8	9	0	31	1	0	0	0	0	0	0	0	0
9	0	70	0	0	0	0	0	0	0	7	0	0
10	0	10	0	6	8	0	0	0	0	36	3	0
11	0	0	0	6	0	0	0	0	0	11	0	0
12	10	0	0	28	0	0	0	0	0	0	7	6
13	4	0	0	16	0	0	0	0	0	0	0	0
14	0	0	54	20	0	0	0	0	0	0	18	0
15	0	18	0	6	4	0	0	0	0	0	0	0
16	84	12	31	15	0	0	0	0	0	0	26	0
17	0	0	0	16	0	0	0	0	0	0	11	0
18	53	0	0	16	0	0	0	0	0	0	14	0
19	0	0	0	6	0	0	0	0	0	0	0	6
20	20	24	0	8	0	0	0	0	0	2	0	8
21	8	0	0	2	0	0	0	0	0	0	0	7
22	0	0	0	1	0	0	0	0	0	0	0	15
23	23	0	0	6	0	0	0	0	0	0	0	0
24	0	36	23	4	0	0	0	0	0	2	0	0
25	33	10	0	2	0	0	0	0	0	0	10	0
26	0	8	45	4	0	0	0	0	0	0	0	0
27	40	9	0	4	0	0	0	0	4	0	8	0
28	29	0	9	10	0	0	0	0	10	0	6	14
29	58		7	7	40	0	0	0	0	10	4	81
30	8		0	6	0	0	0	0	0	0	0	0
31	7		24		0		0	0		0		0
Total	431	314	227	242	61	0	0	0	14	71	112	146
15 HARIAN I	68	215	88	134	21	0	0	0	0	57	33	15
15 HARIAN II	363	99	139	108	40	0	0	0	14	14	79	131
Hari Hujan	18	13	9	29	4	0	0	0	2	7	12	8
Rerata	24	24	25	8	15	0	0	0	0	10	9	18
Maks.	84	70	54	28	40	0	0	0	10	36	26	81

(Sumber : Olahan Penulis,2022)

Lampiran 18. Tabel Curah Hujan Stasiun Hujan Waduk Gebyar Tahun 2018

CURAH HUJAN STASIUN HUJAN WADUK GEBYAR (mm)												
2018	Jan	Feb	Mar	Apr	Mei	Juni	Juli	Agu	Sep	Okt	Nov	Des
1	0	7	5	0	0	0	0	0	0	0	0	0
2	6	24	23	0	0	0	0	0	0	0	0	0
3	9	11	0	2	0	0	0	0	0	0	0	4
4	8	2	8	0	0	0	0	0	0	0	0	6
5	5	0	13	0	0	0	0	0	0	0	15	9
6	2	13	10	0	0	0	0	0	0	0	0	0
7	3	9	7	10	0	0	0	0	0	0	7	9
8	87	5	14	20	0	0	0	0	0	0	10	8
9	32	15	9	9	0	0	0	0	0	0	8	7
10	0	0	10	0	0	0	0	0	0	0	64	0
11	0	0	6	3	0	0	0	0	0	0	13	0
12	48	2	98	0	0	0	0	0	0	0	14	0
13	0	5	0	0	0	0	0	0	0	0	24	0
14	0	0	0	0	0	0	0	0	0	0	2	0
15	0	0	0	0	8	0	0	0	0	0	0	5
16	0	13	0	9	4	0	0	0	0	0	0	0
17	5	11	9	46	0	0	0	0	0	0	0	0
18	27	0	29	0	0	0	0	0	0	0	0	0
19	36	0	23	3	0	0	0	0	0	0	56	0
20	3	30	0	35	0	0	0	0	0	0	0	0
21	27	0	0	41	0	0	0	0	0	0	0	0
22	7	34	10	11	0	0	0	0	0	0	0	0
23	9	7	0	8	0	0	0	0	0	0	0	5
24	5	54	0	0	0	0	0	0	0	0	0	0
25	46	0	6	10	0	0	0	0	0	0	8	0
26	8	3	19	0	0	0	0	0	0	0	7	0
27	7	0	0	9	0	0	0	0	0	0	33	0
28	11	0	2	0	0	0	0	0	0	0	6	0
29	0		0	0	0	0	0	0	0	0	0	0
30	23		0	0	0	0	0	0	0	0	28	0
31	20		0		0		0	0		0		4
Total	434,0	245,0	301,0	216,0	12,0	0,0	0,0	0,0	0,0	0,0	295,0	57,0
15 HARIAN I	200,0	93,0	203,0	44,0	8,0	0,0	0,0	0,0	0,0	0,0	157,0	48,0
15 HARIAN II	234,0	152,0	98,0	172,0	4,0	0,0	0,0	0,0	0,0	0,0	138,0	9,0
Hari Hujan	23,0	17,0	18,0	14,0	2,0	0,0	0,0	0,0	0,0	0,0	15,0	9,0
Rerata	18,9	14,4	16,7	15,4	6,0	0,0	0,0	0,0	0,0	0,0	19,7	6,3
Maks,	87,0	54,0	98,0	46,0	8,0	0,0	0,0	0,0	0,0	0,0	64,0	9,0

(Sumber : Olahan Penulis,2022)

Lampiran 19. Tabel Curah Hujan Stasiun Hujan Waduk Gebyar Tahun 2019

CURAH HUJAN STASIUN HUJAN WADUK GEBYAR (mm)												
2019	Jan	Feb	Mar	Apr	Mei	Juni	Juli	Agu	Sep	Okt	Nov	Des
1	4	14	0	9	0	0	0	0	0	0	0	0
2	58	9	7	0	0	0	0	0	0	0	6	0
3	4	11	30	11	0	0	0	0	0	0	0	0
4	0	11	45	0	0	0	0	0	0	0	0	8
5	0	3	60	0	0	0	0	0	0	0	0	6
6	0	0	55	13	0	0	0	0	0	0	0	0
7	4	0	103	0	0	0	0	0	0	0	0	18
8	6	14	5	0	0	0	0	0	0	0	4	20
9	2	15	0	0	0	0	0	0	0	0	0	11
10	0	4	0	0	0	0	0	0	0	0	0	16
11	2	20	0	0	0	0	0	0	0	0	0	0
12	6	9	0	11	0	0	0	0	0	0	0	12
13	2	7	0	8	0	0	0	0	0	0	0	0
14	0	17	7	15	0	0	0	0	0	0	0	0
15	0	23	0	21	0	0	0	0	0	0	0	21
16	0	12	0	10	0	0	0	0	0	0	0	29
17	0	19	6	24	0	0	0	0	0	0	0	36
18	5	15	108	0	0	0	0	0	0	0	0	25
19	0	19	0	6	0	0	0	0	0	0	0	23
20	0	19	15	0	0	0	0	0	0	0	0	38
21	0	21	19	0	0	0	0	0	0	0	0	46
22	0	30	14	0	0	0	0	0	0	0	0	0
23	0	23	7	0	0	0	0	0	0	0	0	21
24	4	17	0	0	0	0	0	0	0	0	6	0
25	14	7	3	0	0	0	0	0	0	0	0	31
26	17	0	5	0	0	0	0	0	0	0	0	20
27	6	9	7	0	0	0	0	0	0	0	9	30
28	5	0	0	13	0	0	0	0	0	0	0	46
29	0		0	11	0	0	0	0	0	0	0	13
30	0		0	7	0	0	0	0	0	0	0	0
31	6		0		0		0	0		0		33
Total	145	350,43	496	159	0	0	0	0	0	0	25	503
15 HARIAN I	88	158,9	312	88	0	0	0	0	0	0	10	112
15 HARIAN II	57	191,52	184	71	0	0	0	0	0	0	15	391
Hari Hujan	16,00	24,00	17,00	13,00	0,00	0,00	0,00	0,00	0,00	0,00	4,00	21,00
Rerata	9,06	14,60	29,18	12,23	0,00	0,00	0,00	0,00	0,00	0,00	6,25	23,95
Maks.	58,00	29,90	0,00	24,00	0,00	0,00	0,00	0,00	0,00	0,00	9,00	46,00

(Sumber : Olahan Penulis,2022)

Lampiran 20. Tabel Curah Hujan Stasiun Hujan Waduk Gebyar Tahun 2020

CURAH HUJAN STASIUN HUJAN WADUK GEBYAR (mm)												
2020	Jan	Feb	Mar	Apr	Mei	Juni	Juli	Agu	Sep	Okt	Nov	Des
1	23	23	13	0	0	0	0	0	0	0	0	0
2	33	33	0	0	0	0	0	0	0	0	0	31
3	18	18	19	0	0	0	0	0	0	0	0	30
4	13	13	8	19	0	0	0	0	0	0	0	0
5	11	11	0	0	0	0	0	0	0	0	0	0
6	25	25	0	0	0	0	0	0	0	0	0	0
7	16	16	0	0	0	0	0	0	0	0	0	18
8	8	8	0	13	0	0	0	0	0	0	0	0
9	10	10	0	0	0	0	0	0	0	0	0	14
10	0	0	0	0	0	0	0	0	0	0	0	27
11	20	20	0	0	0	0	0	0	0	0	0	0
12	18	18	0	0	0	0	0	40	0	0	0	3
13	0	0	0	0	0	0	0	0	0	0	0	61
14	0	0	0	0	0	0	0	0	0	0	0	35
15	0	0	5	0	0	0	0	18	0	0	0	0
16	2	15	0	0	0	0	0	36	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	3
19	0	0	0	8	16	0	0	0	0	0	0	16
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	17	16	0
22	0	0	0	0	0	0	0	0	0	70	7	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	3	3	14	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	4
26	0	0	0	0	0	0	0	0	0	0	0	7
27	0	0	0	0	9	0	0	0	0	35	35	36
28	0	0	0	0	13	0	0	0	0	15	0	2
29	0	0	0	0	0	0	0	0	0	0	15	0
30	7		10	0	0	0	0	0	0	0	0	20
31	11		0		0		0	0		0		2
Total	218	213	69	40	38	0	0	94	0	137	73	309
15 HARIAN I	195	195	45	32	0	0	0	58	0	0	0	219
15 HARIAN II	23	18	24	8	38	0	0	36	0	137	73	90
Hari Hujan	15,00	13,00	6,00	3,00	3,00	0,00	0,00	3,00	0,00	4,00	4,00	16,00
Rerata	14,53	16,38	11,50	13,33	12,67	0,00	0,00	0,00	0,00	34,25	18,25	19,31
Maks,	33,00	33,00	19,00	19,00	16,00	0,00	0,00	40,00	0,00	70,00	35,00	61,00

(Sumber : Olahan Penulis,2022)

Lampiran 21. Tabel Curah Hujan Stasiun Hujan Waduk Gebyar Tahun 2021

CURAH HUJAN STASIUN HUJAN WADUK GEBYAR (mm)												
2021	Jan	Feb	Mar	Apr	Mei	Juni	Juli	Agu	Sep	Okt	Nov	Des
1	0	0	0	9	5	0	0	0	0	0	0	0
2	0	0	0	0	5	0	0	0	0	0	0	0
3	0	0	2	0	4	0	0	0	0	0	12	0
4	0	46	0	0	0	0	0	0	0	0	0	0
5	0	36	0	2	6	0	0	0	0	0	17	0
6	0	0	0	0	6	0	0	0	0	0	0	6
7	0	0	0	0	0	0	0	0	0	0	5	7
8	0	0	24	0	2	0	0	0	0	0	0	2
9	0	0	12	15	3	0	0	0	0	0	0	28
10	3	8	0	0	0	0	0	0	0	0	8	0
11	4	0	0	0	2	20	0	0	0	0	0	30
12	0	0	6	0	0	16	0	0	0	0	30	30
13	0	26	11	2	0	7	0	0	0	0	0	0
14	0	7	0	0	3	0	0	0	0	0	3	3
15	0	28	8	5	0	0	0	0	8	0	20	0
16	0	5	0	18	0	5	0	0	0	0	9	0
17	0	0	0	0	4	12	0	0	0	0	19	6
18	0	0	9	0	0	0	0	0	0	0	2	4
19	0	3	2	0	0	28	0	0	0	0	6	1
20	0	0	0	0	0	33	0	0	0	0	1	10
21	0	0	0	0	4	7	0	0	0	0	0	1
22	0	3	0	0	0	0	0	0	0	0	0	2
23	0	0	0	0	6	18	0	0	0	0	0	0
24	0	0	1	0	4	2	0	0	0	0	5	10
25	87	15	2	3	0	6	0	0	0	0	0	0
26	17	10	0	0	0	0	0	0	5	0	0	15
27	7	19	0	0	5	12	0	0	16	3	14	3
28	0	0	20	0	4	7	0	0	0	0	23	9
29	0		35	0	0	5	0	0	0	0	0	0
30	0		14	0	0	0	0	0	0	0	0	0
31	0		8		4		0	0		0		0
Total	118	206	154	54	67,311	178	0	0	29	3	174	167
15 HARIAN I	7	151	63	33	36,59	43	0	0	8	0	95	106
15 HARIAN II	111	55	91	21	30,721	135	0	0	21	3	79	61
Hari Hujan	5,00	12,00	14,00	7,00	16,00	14,00	0,00	0,00	3,00	1,00	15,00	17,00
Rerata	23,60	17,17	11,00	7,71	4,21	12,71	0,00	0,00	0,00	3,00	11,60	9,82
Maks.	87,00	46,00	35,00	18,00	6,15	33,00	0,00	0,00	16,00	3,00	30,00	30,00

(Sumber : Olahan Penulis,2022)

Lampiran 22. Tabel Curah Hujan Stasiun Hujan Dawung Tahun 2012

CURAH HUJAN STASIUN HUJAN DAWUNG (mm)												
2012	Jan	Feb	Mar	Apr	Mei	Juni	Juli	Agu	Sep	Okt	Nov	Des
1	0	12	0	0	0	0	0	0	0	0	0	40
2	0	8	0	0	0	0	0	0	0	0	0	7
3	17	16	17	5	0	0	0	0	0	0	0	6
4	22	36	20	0	0	0	0	0	0	0	0	11
5	0	30	0	10	12	0	0	0	0	0	0	0
6	10	0	0	30	0	4	0	0	0	0	0	0
7	0	0	11	25	15	53	0	0	0	0	0	33
8	8	0	10	18	2	23	0	0	0	0	0	10
9	3	0	0	0	0	8	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	3	17	2	0	0	0	0	0	0	0	10	0
12	5	3	0	0	0	0	0	0	0	0	0	0
13	10	0	0	0	0	0	0	0	0	0	0	0
14	30	0	0	5	0	0	0	0	0	0	0	12
15	0	11	0	0	3	0	0	0	0	0	7	16
16	11	18	5	16	0	0	0	0	0	0	11	0
17	23	20	0	10	0	0	0	0	0	0	0	0
18	47	30	7	0	5	0	0	0	0	2	12	11
19	0	0	0	0	0	0	0	0	0	0	25	0
20	0	0	0	0	0	0	0	0	0	0	30	0
21	7	0	0	0	0	0	0	0	0	0	0	21
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	3	0	0	0	0	0	5	40
24	6	2	0	0	0	0	0	0	0	0	0	0
25	0	10	0	0	0	0	0	0	0	0	8	0
26	4	0	0	6	0	0	0	0	0	3	12	37
27	2	32	0	0	0	0	0	0	0	12	26	24
28	17	0	0	3	2	0	0	0	0	0	3	30
29	16	0	0	11	0	0	0	0	0	5	31	9
30	0		8	15	0	0	0	0	0	0	0	31
31	10		3		0		0	0		0		0
Total	251	245	83	154	42	88	0	0	0	22	180	338
15 HARIAN I	108	133	60	93	32	88	0	0	0	0	17	135
15 HARIAN II	143	112	23	61	10	0	0	0	0	22	163	203
Hari Hujan	19,00	14,00	9,00	12,00	7,00	4,00	0,00	0,00	0,00	4,00	12,00	16,00
Rerata	13,21	17,50	9,22	12,83	6,00	22,00	0,00	0,00	0,00	5,50	15,00	21,13
Maks,	47,00	36,00	20,00	30,00	15,00	53,00	0,00	0,00	0,00	12,00	31,00	40,00

(Sumber : Olahan Penulis,2022)

Lampiran 23. Tabel Curah Hujan Stasiun Hujan Dawung Tahun 2013

CURAH HUJAN STASIUN HUJAN DAWUNG (mm)												
2013	Jan	Feb	Mar	Apr	Mei	Juni	Juli	Agu	Sep	Okt	Nov	Des
1	40	0	0	0	0	10	0	0	0	0	0	0
2	25	0	15	4	0	0	0	0	0	0	0	0
3	11	0	0	10	0	20	3	0	0	0	0	0
4	6	15	0	13	0	0	0	0	0	0	0	8
5	0	20	6	0	0	5	0	0	0	0	0	7
6	24	0	0	16	0	7	0	0	0	0	0	0
7	0	30	30	45	0	3	0	0	0	0	2	10
8	0	0	25	13	0	9	0	0	0	0	4	12
9	30	0	10	21	0	16	0	0	0	0	0	15
10	10	45	30	30	0	12	0	0	0	0	7	40
11	0	0	0	0	0	0	0	0	0	0	13	10
12	0	0	17	11	0	0	0	0	0	0	15	9
13	15	9	18	17	0	10	11	0	0	0	7	11
14	12	5	0	0	0	0	0	0	0	0	10	27
15	0	41	0	15	0	9	0	0	0	0	0	28
16	0	11	11	17	17	0	0	0	0	0	23	8
17	0	30	0	20	12	7	0	0	0	0	2	30
18	22	0	5	41	8	13	0	0	0	0	16	20
19	11	23	31	25	15	0	0	0	0	0	0	23
20	7	0	0	15	0	0	0	0	0	0	7	15
21	0	0	0	0	0	0	0	0	0	0	0	10
22	0	21	12	0	7	0	0	0	0	0	0	0
23	30	15	15	0	0	0	0	0	0	9	0	5
24	6	10	0	11	0	0	0	0	0	4	0	3
25	35	0	0	0	0	2	0	0	0	2	0	0
26	16	3	0	4	5	0	0	0	0	0	0	8
27	20	0	6	0	0	4	0	0	0	12	0	7
28	41	0	10	0	0	0	0	0	0	0	0	0
29	0		21	0	10	0	0	0	0	0	0	9
30	0		40	0	17	21	0	0	0	16	0	0
31	3		0		12		0	0		10		0
Total	364	278	302	328	103	148	14	0	0	53	106	315
15 HARIAN I	173	165	151	195	0	101	14	0	0	0	58	177
15 HARIAN II	191	113	151	133	103	47	0	0	0	53	48	138
Hari Hujan	19,00	14,00	17,00	18,00	9,00	15,00	2,00	0,00	0,00	6,00	11,00	22,00
Rerata	19,16	19,86	17,76	18,22	11,44	9,87	0,00	0,00	0,00	8,83	9,64	14,32
Maks.	41,00	45,00	40,00	45,00	17,00	21,00	11,00	0,00	0,00	16,00	23,00	40,00

(Sumber : Olahan Penulis,2022)

Lampiran 24. Tabel Curah Hujan Stasiun Hujan Dawung Tahun 2014

CURAH HUJAN STASIUN HUJAN DAWUNG (mm)												
2014	Jan	Feb	Mar	Apr	Mei	Juni	Juli	Agu	Sep	Okt	Nov	Des
1	5	0	15	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
3	7	9	7	0	0	0	0	0	0	0	0	4
4	3	7	3	0	0	0	0	0	0	0	0	0
5	0	15	0	10	0	0	0	0	0	0	0	17
6	11	0	11	0	0	0	0	0	0	0	0	10
7	0	7	0	0	0	0	0	0	0	0	0	3
8	0	0	0	0	3	0	0	0	0	0	0	16
9	2	0	2	0	0	0	0	0	0	0	0	8
10	0	0	0	0	9	0	0	0	0	0	0	0
11	0	10	0	0	0	0	0	0	0	0	0	0
12	11	11	11	5	0	0	0	0	0	0	0	2
13	2	0	2	0	0	0	0	0	0	0	0	0
14	8	0	8	0	0	0	0	0	0	0	6	0
15	9	3	9	10	0	3	0	0	0	0	8	14
16	23	0	23	7	0	0	0	0	0	0	0	20
17	18	20	8	3	9	31	0	0	0	0	0	7
18	4	0	4	0	11	18	0	0	0	0	2	9
19	25	0	25	0	0	5	0	0	0	0	5	7
20	0	0	0	0	0	4	0	0	0	0	8	11
21	2	0	2	0	0	0	0	0	0	0	0	0
22	3	0	3	0	0	0	0	0	0	0	0	0
23	4	0	4	3	7	0	0	0	0	0	5	0
24	9	5	9	5	9	7	0	0	0	0	15	3
25	0	10	0	0	0	0	0	0	0	0	3	0
26	11	0	11	4	0	0	0	0	0	0	18	10
27	15	0	15	0	0	0	0	0	0	0	15	7
28	17	0	17	0	0	0	0	0	0	0	7	11
29	30		30	0	0	0	0	0	0	0	0	4
30	0		0	0	0	0	0	0	0	0	0	0
31	41		41		0		0	0		0		0
Total	260	97	260	47	48	68	0	0	0	0	92	163
15 HARIAN I	58	62	68	25	12	3	0	0	0	0	14	74
15 HARIAN II	202	35	192	22	36	65	0	0	0	0	78	89
Hari Hujan	22,00	10,00	22,00	8,00	6,00	6,00	0,00	0,00	0,00	0,00	11,00	18,00
Rerata	11,82	9,70	11,82	5,88	8,00	11,33	0,00	0,00	0,00	0,00	8,36	9,06
Maks,	41,00	20,00	41,00	10,00	11,00	31,00	0,00	0,00	0,00	0,00	18,00	20,00

(Sumber : Olahan Penulis,2022)

Lampiran 25. Tabel Curah Hujan Stasiun Hujan Dawung Tahun 2015

CURAH HUJAN STASIUN HUJAN DAWUNG (mm)												
2015	Jan	Feb	Mar	Apr	Mei	Juni	Juli	Agu	Sep	Okt	Nov	Des
1	0	8	11	10	0	0	0	0	0	0	0	0
2	0	0	17	31	0	0	0	0	0	0	0	0
3	0	16	67	0	0	0	0	0	0	0	0	0
4	0	18	0	4	0	0	0	0	0	0	0	4
5	0	9	3	0	0	0	0	0	0	0	15	0
6	0	14	0	11	0	0	0	45	0	0	10	2
7	0	10	0	3	0	0	0	0	0	0	17	13
8	0	9	2	16	0	0	0	0	0	0	21	7
9	0	5	0	0	0	0	0	0	0	0	0	11
10	0	8	0	2	0	0	0	0	0	0	17	0
11	0	4	0	0	0	0	0	0	0	0	0	0
12	0	0	0	3	0	0	0	0	0	0	0	0
13	0	10	0	15	0	0	0	0	0	0	0	0
14	0	17	3	20	0	0	0	0	0	0	3	0
15	0	15	0	25	0	0	0	0	0	0	10	0
16	0	9	2	4	0	0	0	0	0	0	0	0
17	0	0	0	7	0	0	0	0	0	0	15	8
18	0	6	25	11	0	0	0	0	0	0	30	0
19	0	23	14	3	0	0	0	0	0	0	12	7
20	45	25	0	8	0	0	0	0	0	0	0	26
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	8	6	0	0	0	0	0	0	0	0
23	0	20	11	0	0	0	0	0	0	0	0	0
24	0	5	15	10	0	0	0	0	0	0	0	11
25	8	7	51	3	0	0	0	0	0	0	0	0
26	13	5	0	0	0	0	0	0	0	0	0	15
27	0	30	30	2	0	0	0	0	0	0	0	30
28	0	3	5	0	0	0	0	0	0	0	0	10
29	30		7	0	0	0	0	0	0	0	0	20
30	9		0	0	3	0	0	0	0	0	0	15
31	24		10		4		0	0		0		4
Total	129	276	281	194	7	0	0	45	0	0	150	183
15 HARIAN I	0	143	103	140	0	0	0	45	0	0	93	37
15 HARIAN II	129	133	178	54	7	0	0	0	0	0	57	146
Hari Hujan	6,00	23,00	17,00	20,00	2,00	0,00	0,00	1,00	0,00	0,00	10,00	15,00
Rerata	21,50	12,00	16,53	9,70	3,50	0,00	0,00	0,00	0,00	0,00	15,00	12,20
Maks.	45,00	30,00	67,00	31,00	4,00	0,00	0,00	45,00	0,00	0,00	30,00	30,00

(Sumber : Olahan Penulis,2022)

Lampiran 26. Tabel Curah Hujan Stasiun Hujan Dawung Tahun 2016

CURAH HUJAN STASIUN HUJAN DAWUNG (mm)												
2016	Jan	Feb	Mar	Apr	Mei	Juni	Juli	Agu	Sep	Okt	Nov	Des
1	0	0	9	0	0	3	9	0	0	14	8	13
2	5	30	4	0	0	0	5	0	0	20	2	18
3	4	21	0	0	0	10	0	0	0	0	6	10
4	0	16	7	4	0	0	0	0	0	0	9	0
5	0	10	0	20	0	9	8	0	0	7	0	0
6	0	9	13	3	0	6	0	0	0	0	0	17
7	0	7	0	10	6	0	0	46	0	3	0	2
8	0	4	0	5	0	0	0	9	0	0	11	8
9	8	9	10	11	2	0	2	0	0	18	20	7
10	2	5	0	2	0	0	11	0	0	20	41	0
11	5	9	15	6	0	0	6	0	0	25	0	16
12	0	14	10	0	0	0	0	0	0	15	0	11
13	0	7	5	0	0	0	0	40	0	0	10	5
14	11	11	3	16	0	0	0	0	0	0	0	31
15	0	0	0	11	0	31	5	3	0	0	16	28
16	15	0	0	8	0	7	7	0	15	10	32	23
17	6	18	0	0	0	0	6	0	9	0	25	17
18	7	11	0	3	0	15	22	0	30	0	10	2
19	3	13	0	5	0	10	38	0	10	0	11	16
20	0	9	0	0	22	0	40	0	0	0	8	21
21	0	7	20	0	0	0	0	0	5	10	13	0
22	0	21	0	0	0	0	0	0	16	12	18	0
23	0	10	8	0	10	16	0	0	14	7	10	0
24	0	15	6	3	0	0	0	0	2	0	0	6
25	0	6	0	0	0	4	0	0	17	2	6	4
26	0	9	11	0	0	0	0	0	21	22	11	0
27	0	18	12	0	0	0	0	0	6	0	2	0
28	0	4	16	0	0	19	0	40	0	3	8	11
29	0	30	9	6	16	30	0	5	0	0	7	0
30	0		17	10	9	27	0	10	2	0	0	0
31	0		20		28		0	0		0		0
Total	66	323	195	123	93	187	159	153	147	188	284	266
15 HARIAN I	35	152	76	88	8	59	46	98	0	122	123	166
15 HARIAN II	31	171	119	35	85	128	113	55	147	66	161	100
Hari Hujan	10,00	26,00	18,00	16,00	7,00	13,00	12,00	7,00	12,00	15,00	22,00	20,00
Rerata	6,60	12,42	10,83	7,69	13,29	14,38	0,00	0,00	0,00	12,53	12,91	13,30
Maks,	15,00	30,00	20,00	20,00	28,00	31,00	40,00	46,00	30,00	25,00	41,00	31,00

(Sumber : Olahan Penulis,2022)

Lampiran 27. Tabel Curah Hujan Stasiun Hujan Dawung Tahun 2017

CURAH HUJAN STASIUN HUJAN DAWUNG (mm)												
2017	Jan	Feb	Mar	Apr	Mei	Juni	Juli	Agu	Sep	Okt	Nov	Des
1	0	11	15	10	0	0	0	0	0	0	0	0
2	0	25	16	5	12	0	0	0	0	0	0	0
3	0	4	0	30	11	0	0	0	0	0	0	10
4	0	0	8	17	0	0	0	0	0	0	0	16
5	0	16	7	11	5	6	0	0	0	0	2	2
6	0	0	15	21	23	0	0	0	0	6	0	0
7	0	2	0	0	0	0	0	0	0	0	0	11
8	0	30	3	3	0	0	0	0	0	0	3	0
9	0	17	0	0	0	0	0	0	0	0	0	0
10	0	20	0	0	0	0	0	0	0	21	31	8
11	0	0	0	3	0	0	0	0	0	0	7	7
12	0	0	0	0	0	0	0	0	0	0	16	36
13	10	7	3	11	0	0	0	0	0	8	14	17
14	2	4	0	16	0	0	0	0	0	0	9	21
15	15	7	16	12	0	0	0	0	0	0	85	5
16	8	10	0	9	0	0	0	0	0	0	8	16
17	18	6	0	2	0	0	0	0	0	0	10	20
18	0	11	5	7	0	0	0	0	0	0	15	18
19	0	3	0	0	0	0	0	0	0	0	17	8
20	12	0	0	0	0	0	0	0	0	0	18	10
21	0	7	0	10	0	0	0	0	0	0	15	0
22	0	10	0	5	0	0	0	0	0	0	11	0
23	0	3	0	30	0	0	0	0	0	0	12	0
24	0	5	15	17	0	0	0	0	0	15	16	0
25	0	10	0	11	0	4	0	0	0	12	19	0
26	0	0	0	21	0	7	0	0	3	11	15	0
27	0	0	6	0	27	0	0	0	5	10	36	5
28	0	0	14	3	0	0	0	0	20	0	39	12
29	0		17	0	6	0	0	0	25	0	30	9
30	0		21	0	2	0	0	0	0	0	0	8
31	0		31		23		0	0		0		0
Total	65	208	192	254	109	17	0	0	53	83	428	239
15 HARIAN I	27	143	83	139	51	6	0	0	0	35	167	133
15 HARIAN II	38	65	109	115	58	11	0	0	53	48	261	106
Hari Hujan	6,00	20,00	15,00	21,00	8,00	3,00	0,00	0,00	4,00	7,00	22,00	19,00
Rerata	10,83	10,40	12,80	12,10	13,63	5,67	0,00	0,00	0,00	11,86	19,45	12,58
Maks.	18,00	30,00	31,00	30,00	27,00	7,00	0,00	0,00	25,00	21,00	85,00	36,00

(Sumber : Olahan Penulis,2022)

Lampiran 28. Tabel Curah Hujan Stasiun Hujan Dawung Tahun 2018

CURAH HUJAN STASIUN HUJAN DAWUNG (mm)												
2018	Jan	Feb	Mar	Apr	Mei	Juni	Juli	Agu	Sep	Okt	Nov	Des
1	9	20	30	0	0	0	0	0	0	0	0	0
2	2	0	20	0	0	0	0	0	0	0	0	3
3	10	10	25	0	0	0	0	0	0	11	0	0
4	22	2	21	0	0	0	0	0	0	0	0	2
5	17	3	31	0	0	0	0	0	0	0	0	0
6	15	12	15	0	0	0	0	0	0	0	0	0
7	40	8	5	0	0	0	0	0	0	0	0	0
8	16	9	17	2	0	0	0	0	0	0	0	30
9	0	15	0	10	0	0	0	0	0	0	2	11
10	2	15	25	0	0	0	0	0	0	0	0	0
11	17	20	32	0	0	0	0	0	0	0	7	9
12	22	15	0	0	0	0	0	0	0	0	0	0
13	0	20	8	0	0	0	0	0	0	0	0	0
14	0	15	0	0	0	0	0	0	0	0	0	0
15	2	4	0	0	0	0	0	0	0	0	0	11
16	6	16	21	0	0	0	0	0	0	0	0	0
17	13	30	19	37	0	0	0	0	0	0	0	0
18	25	14	8	0	0	0	0	0	0	0	0	0
19	38	0	22	0	0	0	0	0	0	0	11	0
20	0	40	10	31	0	0	0	0	0	0	2	0
21	0	30	16	0	0	5	0	0	0	0	0	0
22	0	25	10	0	0	0	0	0	0	0	0	16
23	15	18	0	0	0	0	0	0	0	0	0	26
24	0	12	0	0	0	0	0	0	0	0	0	9
25	0	20	13	5	0	0	0	0	0	0	0	25
26	10	36	10	0	0	0	0	0	0	25	26	13
27	6	0	9	0	0	0	0	0	0	0	0	21
28	2	21	0	0	0	0	0	0	0	0	29	0
29	9		3	0	0	0	0	0	0	0	0	0
30	20		2	0	0	0	0	0	0	0	7	0
31	36		0		0		0	0		0		0
Total	354	430	372	85	0	5	0	0	0	36	84	176
15 HARIAN I	174	168	229	12	0	0	0	0	0	11	9	66
15 HARIAN II	180	262	143	73	0	5	0	0	0	25	75	110
Hari Hujan	23,00	25,00	23,00	5,00	0,00	1,00	0,00	0,00	0,00	2,00	7,00	12,00
Rerata	15,39	17,20	16,17	17,00	0,00	5,00	0,00	0,00	0,00	18,00	12,00	14,67
Maks,	40,00	40,00	32,00	37,00	0,00	5,00	0,00	0,00	0,00	25,00	29,00	30,00

(Sumber : Olahan Penulis,2022)

Lampiran 29. Tabel Curah Hujan Stasiun Hujan Dawung Tahun 2019

CURAH HUJAN STASIUN HUJAN DAWUNG (mm)												
2019	Jan	Feb	Mar	Apr	Mei	Juni	Juli	Agu	Sep	Okt	Nov	Des
1	0	11	0	0	21	0	0	0	0	0	0	0
2	0	9	0	0	18	0	0	0	0	0	13	0
3	0	3	11	12	0	0	0	0	0	0	0	7
4	0	10	22	0	0	0	0	0	0	0	0	10
5	2	0	25	0	0	0	0	0	0	0	0	10
6	0	0	1	0	0	0	0	0	0	0	0	0
7	0	0	1	11	2	0	0	0	0	0	17	0
8	0	15	11	0	0	0	0	0	0	0	0	2
9	0	19	0	0	0	0	0	0	0	0	4	0
10	0	6	0	0	0	0	0	0	0	0	0	0
11	0	20	0	2	0	0	0	0	0	0	0	16
12	3	0	1	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	2	15	0	0	0	0	0	0	0	0	0	8
15	0	30	0	0	0	0	0	0	0	0	0	18
16	0	21	0	0	0	0	0	0	0	0	0	2
17	0	32	26	0	0	0	0	0	0	0	0	5
18	22	26	3	0	0	0	0	0	0	0	0	0
19	11	21	0	0	0	0	0	0	0	0	0	16
20	14	19	0	0	0	0	0	0	0	0	0	0
21	0	23	0	0	0	0	0	0	0	0	0	16
22	0	34	9	0	0	0	0	0	0	0	5	18
23	2	21	10	0	0	0	0	0	0	0	11	0
24	4	15	6	0	0	0	0	0	0	0	9	0
25	12	0	3	0	0	0	0	0	0	0	0	7
26	10	0	11	0	0	0	0	0	0	0	0	0
27	16	16	0	0	0	0	0	0	0	0	0	0
28	19	0	0	19	0	0	0	0	0	0	15	8
29	0		0	15	0	0	0	0	0	0	0	2
30	0		0	3	0	0	0	0	0	0	0	0
31	0		0		0		0	0		0		6
Total	117	366	140	62	41	0	0	0	0	0	74	151
15 HARIAN I	7	138	72	25	41	0	0	0	0	0	34	71
15 HARIAN II	110	228	68	37	0	0	0	0	0	0	40	80
Hari Hujan	12,00	20,00	14,00	6,00	3,00	0,00	0,00	0,00	0,00	0,00	7,00	16,00
Rerata	9,75	18,30	10,00	10,33	13,67	0,00	0,00	0,00	0,00	0,00	10,57	9,44
Maks.	22,00	34,00	26,00	19,00	21,00	0,00	0,00	0,00	0,00	0,00	17,00	18,00

(Sumber : Olahan Penulis,2022)

Lampiran 30. Tabel Curah Hujan Stasiun Hujan Dawung Tahun 2020

CURAH HUJAN STASIUN HUJAN DAWUNG (mm)												
2020	Jan	Feb	Mar	Apr	Mei	Juni	Juli	Agu	Sep	Okt	Nov	Des
1	0	18	12	12	0	0	0	0	0	0	15	5
2	0	21	11	0	0	12	0	0	0	0	29	6
3	0	0	6	0	3	0	0	0	0	0	2	0
4	0	0	5	0	2	0	0	0	0	0	2	0
5	2	0	7	66	0	0	0	0	0	0	0	6
6	20	16	0	4	0	0	0	0	0	0	0	10
7	7	0	0	22	11	0	0	0	0	0	0	15
8	11	57	0	24	0	0	0	0	0	0	0	2
9	28	0	0	42	0	0	0	0	0	0	0	6
10	0	0	0	0	25	0	0	9	0	3	0	8
11	0	0	0	8	3	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	7
13	0	0	0	0	0	0	0	6	0	0	2	21
14	0	5	0	0	0	0	0	0	0	0	0	17
15	0	0	0	8	0	0	0	0	0	0	3	2
16	0	0	0	0	0	0	0	21	0	0	5	1
17	0	6	11	10	0	0	0	26	0	0	0	0
18	0	12	8	0	26	0	0	0	0	0	0	3
19	10	7	17	0	0	0	0	0	0	0	0	0
20	0	0	0	0	8	0	0	0	0	0	2	0
21	0	0	0	0	0	0	0	0	0	0	8	0
22	0	0	17	0	0	0	0	0	0	0	20	0
23	0	17	0	0	0	0	0	0	0	26	22	16
24	0	0	7	8	0	0	0	0	0	12	2	22
25	12	0	0	0	2	0	0	0	0	25	0	0
26	0	10	0	0	11	0	0	0	0	18	0	4
27	0	12	0	0	5	0	0	0	0	0	0	2
28	0	11	0	6	8	0	0	0	0	0	2	0
29	0	8	0	0	0	0	0	0	0	0	0	0
30	0		2	7	0	0	0	0	0	0	9	0
31	0		21		0		0	0		5		18
Total	90	200	124	217	104	12	0	62	0	89	123	171
15 HARIAN I	68	117	41	186	44	12	0	15	0	3	53	105
15 HARIAN II	22	83	83	31	60	0	0	47	0	86	70	66
Hari Hujan	7,00	13,00	12,00	12,00	11,00	1,00	0,00	4,00	0,00	6,00	14,00	19,00
Rerata	12,86	15,38	10,33	18,08	9,45	12,00	0,00	0,00	0,00	14,83	8,79	9,00
Maks,	28,00	57,00	21,00	66,00	26,00	12,00	0,00	26,00	0,00	26,00	29,00	22,00

(Sumber : Olahan Penulis,2022)

Lampiran 31. Tabel Curah Hujan Stasiun Hujan Dawung Tahun 2021

CURAH HUJAN STASIUN HUJAN DAWUNG (mm)												
2021	Jan	Feb	Mar	Apr	Mei	Juni	Juli	Agu	Sep	Okt	Nov	Des
1	0	9,5	0	16,7	3	0	0	0	0	0	0	0
2	0	0	0	2	0	0	0	0	0	0	0	0
3	0	0	0	13	6	0	0	0	0	0	7,5	0
4	0	7	0	11	0	0	0	0	0	0	3	0
5	25	23	5,6	21	3	0	0	4,5	0	0	28,5	0
6	50	2	11	0	0	0	0	0	0	0	0	0
7	0	0	6	10	0	0	0	2	0	0	0	0
8	2	9	9,5	7	0	0	0	3,5	0	0	2	0
9	0	0	12	16	0	0	2	0	0	0	0	5
10	15	0	2	8	0	37,4	35	0	0	0	6	0
11	4	2	0	0	0	3,5	0	0	0	0	7	0
12	0	1,5	0	0	0	0	0	0	0	0	16	0
13	5	6	26	0	0	7	0	0	2	0	0	0
14	0	5,5	8	0	0	0	0	0	0	0	3	0
15	0	23	16	4,6	0	0	0	0	2,5	0	6	0
16	0	3	0	11	0	0	0	0	0	0	0	4
17	6	0	0	0	0	3,5	0	0	0	0	36,5	17
18	11	0	18	4	0	0	0	0	0	7,5	0	8
19	3	8	7	0	0	0	0	0	0	0	49	12
20	0	0	0	0	0	11	0	0	0	0	4	16
21	12	0	0	0	0	0	0	0	0	0	3	3,6
22	19	3	0	0	0	0	0	0	0	0	0	4
23	13	0	0	0	0	0	0	0	0	3	1	0
24	24	15,4	22	0	0	0	0	0	0	0	12,5	12
25	12	26,3	6	2	0	4,6	0	0	0	8	0	0
26	23	17	15	0	0	0	0	0	9,6	3	5	2,4
27	12	0	31	0	3	2	0	0	0	7	3	0
28	5	0	42,7	0	0	0	0	0	0	3,2484	13	9
29	0		16,5	0	0	0	0	0	0	0	0	2
30	4,5		46	19,5	0	0	0	0	0	8	21	6
31	7		38		6		0	0		0		0
Total	252,5	161,2	338,3	145,8	21	69	37	10	14,1	39,748	227	101
15 HARIAN I	101	88,5	96,1	109,3	12	47,9	37	10	4,5	0	79	5
15 HARIAN II	151,5	72,7	242,2	36,5	9	21,1	0	0	9,6	39,748	148	96
Hari Hujan	19,00	16,00	19,00	14,00	5,00	7,00	2,00	3,00	3,00	7,00	19,00	13,00
Rerata	13,29	10,08	17,81	10,41	4,20	9,86	0,00	0,00	0,00	5,68	11,95	7,77
Maks.	50,00	26,30	46,00	21,00	6,00	37,40	35,00	4,50	9,60	8,00	49,00	17,00

(Sumber : Olahan Penulis,2022)

Lampiran 32. Tabel Perhitungan Debit Andalan Metode F.J Mock Tahun 2012

NO	METEOROLOGICAL DATA	BULAN																								
		Jan		Feb		Mar		Apr		Mei		Jun		Jul		Agu		Sep		Okt		Nov		Des		
		I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	
1	Data																									
	Data Curah Hujan	188	143	157	95	92	50	121	38	46	4	100	13	0	0	0	0	0	0	3	37	18	191	138	161	
	Jumlah Hari Hujan	11	11	8	6	7	6	7	5	5	2	5	1	0	0	0	0	0	0	1	4	3	10	9	8	
2	Evaporasi Terbatas																									
	Evapotranspirasi	59	69	60	50	56	70	72	71	73	62	79	54	59	58	55	76	71	79	90	85	77	98	81	61	
	Exposed Surface	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	
	E/Ep	0,105	0,105	0,15	0,18	0,165	0,18	0,165	0,195	0,195	0,24	0,195	0,255	0,27	0,27	0,27	0,27	0,27	0,27	0,255	0,21	0,23	0,12	0,135	0,15	
	E	6,2265	7,266	9,015	9,018	9,2235	12,51	11,814	13,826	14,216	14,952	15,405	13,796	16,011	15,714	14,85	20,493	19,278	21,303	22,976	17,913	17,641	11,808	10,895	9,18	
	Et	53	62	51	41	47	57	60	57	59	47	64	40	43	42	40	55	52	58	67	67	59	87	70	52	
3	Water Balance																									
	Er	135	81	106	54	46	-7	61	-19	-13	-43	36	-28	-43	-42	-40	-55	-52	-58	-64	-30	-42	104	68	109	
	Soil Storage (SS)	0	0	0	0	0	-7,013	0	-18,65	-12,92	-42,85	0	-27,64	-43,29	-42,49	-40,15	-55,41	-52,12	-57,6	-64,37	-29,97	-41,51	0	0	0	
	Soil Moisture (SMC)	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	
	Water Surplus (WS)	135,31	81,066	106,14	53,851	45,807	0	60,742	0	0	0	35,967	0	0	0	0	0	0	0	0	0	0	104,49	68,498	109,14	
4	Run Off and Ground Water Storage																									
	Infiltrasi (I)	27,062	16,213	21,228	10,77	9,1613	0	12,148	0	0	0	7,1934	0	0	0	0	0	0	0	0	0	0	20,897	13,7	21,827	
	0,5 x (1 + k) x I	24,355	14,592	19,105	9,6931	8,2452	0	10,934	0	0	0	6,474	0	0	0	0	0	0	0	0	0	0	18,808	12,33	19,645	
	k x V _(n-1)	40	51,484	52,861	57,573	53,813	49,646	39,717	40,521	32,416	25,933	20,747	21,776	17,421	13,937	11,15	8,9196	7,1357	5,7086	4,5668	3,6535	2,9228	2,3382	16,917	23,397	
	Storage Volume (Vn)	64,355	66,076	71,966	67,266	62,058	49,646	50,651	40,521	32,416	25,933	27,221	21,776	17,421	13,937	11,15	8,9196	7,1357	5,7086	4,5668	3,6535	2,9228	2,146	29,246	43,042	
	DVn	14,355	17,208	5,8899	-4,7	-5,208	-12,41	1,0043	-10,13	-8,104	-6,483	1,2874	-5,444	-4,355	-3,484	-2,787	-2,23	-1,784	-1,427	-1,142	-0,913	-0,731	18,223	8,1005	13,795	
	Base Flow	12,706	14,492	15,338	15,47	14,369	12,412	11,144	10,13	8,1041	6,4833	5,906	5,4441	4,3553	3,4842	2,7874	2,2299	1,7839	1,4271	1,1417	0,9134	0,7307	2,6743	5,5991	8,032	
	Direct Run Off	108,25	64,853	84,912	43,081	36,645	0	48,594	0	0	0	28,773	0	0	0	0	0	0	0	0	0	0	83,589	54,798	87,31	
	Run Off	120,95	79,345	100,25	58,551	51,015	12,412	59,738	10,13	8,1041	6,4833	34,679	5,4441	4,3553	3,4842	2,7874	2,2299	1,7839	1,4271	1,1417	0,9134	0,7307	86,264	60,397	95,342	
5	Storm Run Off																									
	Storm Run Off	0	0	0	0	0	2,4989	0	1,9214	2,2882	0,2247	0	0,6331	0	0	0	0	0	0	0	0,1376	1,8708	0,8775	0	0	0
	Soil Moisture	0	0	0	0	0	197,5	0	198,08	197,71	199,78	0	199,37	200	200	200	200	200	200	199,86	198,13	199,12	0	0	0	
	Water Surplus	135,31	81,066	106,14	53,851	45,807	0	60,742	0	0	0	35,967	0	0	0	0	0	0	0	0	0	0	104,49	68,498	109,14	
	Base Flow	12,706	14,492	15,338	15,47	14,369	12,412	11,144	10,13	8,1041	6,4833	5,906	5,4441	4,3553	3,4842	2,7874	2,2299	1,7839	1,4271	1,1417	0,9134	0,7307	2,6743	5,5991	8,032	
	Direct Run Off SRO > 0 ; DRO = SRO	108,25	64,853	84,912	43,081	36,645	2,4989	48,594	1,9214	2,2882	0,2247	28,773	0,6331	0	0	0	0	0	0	0	0,1376	1,8708	0,8775	83,589	54,798	87,31
	Run Off SRO > 0 ; RO = RO + SRO	120,95	79,345	100,25	58,551	51,015	14,91	59,738	12,051	10,392	6,708	34,679	6,0773	4,3553	3,4842	2,7874	2,2299	1,7839	1,4271	1,2794	2,7842	1,6082	86,264	60,397	95,342	
6	Effective Discharge (Debit Andalan)	11,707	7,6799	9,7033	5,6672	4,9377	1,4432	5,7821	1,1665	1,0059	0,6493	3,3566	0,5882	0,4216	0,3372	0,2698	0,2158	0,1727	0,1381	0,2695	0,1557	8,3495	5,8459	9,2282		

(Sumber : Olahan Penulis , 2022)

Lampiran 33. Tabel Perhitungan Debit Andalan Metode F.J Mock Tahun 2013

NO	METEOROLOGICAL DATA	BULAN																								
		Jan		Feb		Mar		Apr		Mei		Jun		Jul		Agu		Sep		Okt		Nov		Des		
		I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	
1	Data																									
	Data Curah Hujan	277	198	179	109	161	175	250	148	0	159	92	83	8	0	0	0	0	0	95	84	73	241	214		
	Jumlah Hari Hujan	11	12	7	9	7	9	12	7	0	10	9	6	2	0	0	0	0	0	8	8	4	11	10		
2	Evaporasi Terbatas																									
	Evapotranspirasi	74	77	75	61	65	94	63	78	63	61	53	59	65	63	66	70	81	77	91	93	82	55	94	82	
	Exposed Surface	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	
	E/Ep	0,105	0,09	0,165	0,135	0,165	0,135	0,09	0,165	0,27	0,12	0,135	0,18	0,24	0,27	0,27	0,27	0,27	0,27	0,27	0,15	0,145	0,205	0,105	0,12	
	E	7,749	6,948	12,309	8,235	10,692	12,636	5,688	12,788	17,091	7,32	7,182	10,62	15,552	17,064	17,82	18,765	21,816	20,709	24,678	14,01	11,89	11,275	9,8805	9,864	
	Et	66	70	62	53	54	81	58	65	46	54	46	48	49	46	48	51	59	56	67	79	70	44	84	72	
3	Water Balance																									
	Er	211	127	116	56	107	94	193	83	-46	105	46	35	-41	-46	-48	-51	-59	-56	-67	15	14	29	156	141	
	Soil Storage (SS)	0	0	0	0	0	0	0	0	-46,21	0	0	0	-41,31	-46,14	-48,18	-50,74	-58,98	-55,99	-66,72	0	0	0	0	0	
	Soil Moisture (SMC)	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	
	Water Surplus (WS)	211	127,35	116,47	55,831	107,35	93,71	192,54	83,153	0	105,48	45,622	34,957	0	0	0	0	0	0	0	15,453	13,89	28,942	156,45	141,33	
4	Run Off and Ground Water Storage																									
	Infiltrasi (I)	42,201	25,471	23,295	11,166	21,471	18,742	38,509	16,631	0	21,095	9,1245	6,9914	0	0	0	0	0	0	0	3,0905	2,778	5,7883	31,289	28,266	
	0,5 x (1 + k) x I	37,981	22,924	20,965	10,049	19,323	16,868	34,658	14,967	0	18,986	8,212	6,2923	0	0	0	0	0	0	0	2,7815	2,5002	5,2095	28,16	25,44	
	k x V _(n-1)	34,433	57,931	64,684	68,519	62,855	65,743	66,089	80,597	76,452	61,161	64,118	57,864	51,325	41,06	32,848	26,278	21,023	16,818	13,455	10,764	10,836	10,669	12,703	32,691	
	Storage Volume (Vn)	72,414	80,855	85,649	78,569	82,179	82,611	100,75	95,565	76,452	80,147	72,33	64,156	51,325	41,06	32,848	26,278	21,023	16,818	13,455	13,545	13,336	15,879	40,863	58,13	
	DVn	29,373	8,441	4,7941	-7,08	3,6097	0,4321	18,136	-5,182	-19,11	3,6955	-7,817	-8,174	-12,83	-10,26	-8,212	-6,57	-5,256	-4,205	-3,364	0,0906	-0,209	2,5422	24,985	17,267	
	Base Flow	12,828	17,03	18,501	18,246	17,861	18,31	20,373	21,812	19,113	17,4	16,942	15,165	12,831	10,265	8,212	6,5696	5,2557	4,2045	3,3636	3	2,9868	3,2461	6,3046	10,999	
	Direct Run Off	168,8	101,88	93,178	44,664	85,882	74,968	154,04	66,522	0	84,382	36,498	27,966	0	0	0	0	0	0	0	12,362	11,112	23,153	125,16	113,06	
	Run Off	181,63	118,91	111,68	62,911	103,74	93,278	174,41	88,334	19,113	101,78	53,44	43,131	12,831	10,265	8,212	6,5696	5,2557	4,2045	3,3636	15,362	14,099	26,399	131,46	124,06	
5	Storm Run Off																									
	Storm Run Off	0	0	0	0	0	0	0	0	0	0	0	0,3968	0	0	0	0	0	0	0	0	0	0	0	0	
	Soil Moisture	0	0	0	0	0	0	0	0	200	0	0	0	199,6	200	200	200	200	200	200	200	0	0	0	0	
	Water Surplus	211	127,35	116,47	55,831	107,35	93,71	192,54	83,153	0	105,48	45,622	34,957	0	0	0	0	0	0	0	15,453	13,89	28,942	156,45	141,33	
	Base Flow	12,828	17,03	18,501	18,246	17,861	18,31	20,373	21,812	19,113	17,4	16,942	15,165	12,831	10,265	8,212	6,5696	5,2557	4,2045	3,3636	3	2,9868	3,2461	6,3046	10,999	
	Direct Run Off SRO > 0 ; DRO = SRO	168,8	101,88	93,178	44,664	85,882	74,968	154,04	66,522	0	84,382	0	0	0,3968	0	0	0	0	0	0	0	0	0	0	125,16	113,06
	Run Off SRO > 0 ; RO = RO + SRO	181,63	118,91	111,68	62,911	103,74	93,278	174,41	88,334	19,113	101,78	53,44	43,131	13,228	10,265	8,212	6,5696	5,2557	4,2045	3,3636	15,362	14,099	26,399	131,46	124,06	
6	Effective Discharge (Debit Andalan)	17,58	11,51	10,81	6,0892	10,041	9,0285	16,881	8,55	1,85	9,8515	5,1725	4,1747	1,2804	0,9936	0,7948	0,6359	0,5087	0,407	0,3256	1,4869	1,3646	2,5552	12,724	12,008	

(Sumber : Olahan Penulis, 2022)

Lampiran 34. Tabel Perhitungan Debit Andalan Metode F.J Mock Tahun 2014

NO	METEOROLOGICAL DATA	BULAN																								
		Jan		Feb		Mar		Apr		Mei		Jun		Jul		Agu		Sep		Okt		Nov		Des		
		I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	
1	Data																									
	Data Curah Hujan	205	279	124	46	107	209	111	138	52	48	13	100	46	16	0	3	0	10	0	0	47	143	111	172	
	Jumlah Hari Hujan	11	15	8	4	8	10	6	8	4	3	1	5	4	2	0	1	0	1	0	0	3	9	9	11	
2	Evaporasi Terbatas																									
	Evapotranspirasi	78	93	94	90	73	86	79	65	67	70	58	59	57	60	56	86	74	80	72	90	80	81	66	60	
	Exposed Surface	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	
	E/Ep	0,105	0,045	0,15	0,21	0,15	0,12	0,18	0,15	0,21	0,225	0,255	0,195	0,21	0,24	0,27	0,255	0,27	0,255	0,27	0,27	0,225	0,14	0,135	0,105	
	E	8,148	4,167	14,1	18,795	10,95	10,272	14,184	9,795	14,091	15,705	14,79	11,408	12,012	14,376	15,12	22,032	19,953	20,477	19,359	24,219	18,09	11,396	8,937	6,2685	
	Et	69	88	80	71	62	75	65	56	53	54	43	47	45	46	41	64	54	60	52	65	62	70	57	53	
3	Water Balance																									
	Er	136	191	44	-25	45	134	46	82	-1	-6	-30	53	1	-30	-41	-61	-54	-50	-52	-65	-15	73	54	119	
	Soil Storage (SS)	0	0	0	-24,71	0	0	0	0	-0,676	-5,762	-29,88	0	0	-29,52	-40,88	-61,37	-53,95	-49,82	-52,34	-65,48	-14,98	0	0	0	
	Soil Moisture (SMC)	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	
	Water Surplus (WS)	135,88	190,57	44,433	0	44,95	133,67	46,384	82,162	0	0	0	52,908	0,812	0	0	0	0	0	0	0	0	72,996	54,07	118,9	
4	Run Off and Ground Water Storage																									
	Infiltrasi (I)	27,176	38,113	8,8867	0	8,99	26,734	9,2768	16,432	0	0	0	10,582	0,1624	0	0	0	0	0	0	0	0	14,599	10,814	23,78	
	0,5 x (1 + k) x I	24,459	34,302	7,998	0	8,091	24,061	8,3491	14,789	0	0	0	9,5234	0,1462	0	0	0	0	0	0	0	0	13,139	9,7327	21,402	
	k x V _(n-1)	46,504	56,77	72,858	64,685	51,748	47,871	57,546	52,716	54,004	43,203	34,562	27,65	29,739	23,908	19,126	15,301	12,241	9,7927	7,8341	6,2673	5,0138	4,0111	13,72	18,762	
	Storage Volume (Vn)	70,963	91,072	80,856	64,685	59,839	71,932	65,895	67,505	54,004	43,203	34,562	37,173	29,885	23,908	19,126	15,301	12,241	9,7927	7,8341	6,2673	5,0138	17,15	23,453	40,165	
	DVn	12,833	20,11	-10,22	-16,17	-4,846	12,093	-6,037	1,6102	-13,5	-10,8	-8,641	2,6109	-7,289	-5,977	-4,782	-3,825	-3,06	-2,448	-1,959	-1,567	-1,253	12,137	6,3026	16,712	
	Base Flow	14,344	18,004	19,103	16,171	13,836	14,641	15,314	14,822	13,501	10,801	8,6406	7,9706	7,4509	5,977	4,7816	3,8253	3,0602	2,4482	1,9585	1,5668	1,2535	2,4627	4,5115	7,0686	
	Direct Run Off	108,71	152,45	35,547	0	35,96	106,94	37,107	65,729	0	0	0	42,326	0,6496	0	0	0	0	0	0	0	0	58,397	43,256	95,121	
	Run Off	123,05	170,46	54,65	16,171	49,796	121,58	52,421	80,552	13,501	10,801	8,6406	50,297	8,1005	5,977	4,7816	3,8253	3,0602	2,4482	1,9585	1,5668	1,2535	60,859	47,768	102,19	
5	Storm Run Off																									
	Storm Run Off	0	0	0	2,3	0	0	0	0	2,6167	2,4167	0,6667	0	0	0,8	0	0,15	0	0,5	0	0	0	2,3667	0	0	0
	Soil Moisture	0	0	0	197,7	0	0	0	0	197,38	197,58	199,33	0	0	199,2	200	199,85	200	199,5	200	200	197,63	0	0	0	
	Water Surplus	135,88	190,57	44,433	0	44,95	133,67	46,384	82,162	0	0	0	52,908	0,812	0	0	0	0	0	0	0	0	72,996	54,07	118,9	
	Base Flow	14,344	18,004	19,103	16,171	13,836	14,641	15,314	14,822	13,501	10,801	8,6406	7,9706	7,4509	5,977	4,7816	3,8253	3,0602	2,4482	1,9585	1,5668	1,2535	2,4627	4,5115	7,0686	
	Direct Run Off SRO > 0 ; DRO = SRO	108,71	152,45	35,547	2,3	35,96	106,94	37,107	65,729	2,6167	2,4167	0,6667	42,326	0,6496	0,8	0	0,15	0	0,5	0	0	2,3667	58,397	43,256	95,121	
	Run Off SRO > 0 ; RO = RO + SRO	123,05	170,46	54,65	18,471	49,796	121,58	52,421	80,552	16,118	13,217	9,3073	50,297	8,1005	6,777	4,7816	3,9753	3,0602	2,9482	1,9585	1,5668	3,6201	60,859	47,768	102,19	
6	Effective Discharge (Debit Andalan)	11,91	16,499	5,2896	1,7878	4,8198	11,768	5,0739	7,7967	1,56	1,2793	0,9009	4,8683	0,7841	0,6559	0,4628	0,3848	0,2962	0,2854	0,1896	0,1517	0,3504	5,8906	4,6235	9,8911	

(Sumber : Olahan Penulis , 2022)

Lampiran 35. Tabel Perhitungan Debit Andalan Metode F.J Mock Tahun 2015

NO	METEOROLOGICAL DATA	BULAN																								
		Jan		Feb		Mar		Apr		Mei		Jun		Jul		Agu		Sep		Okt		Nov		Des		
		I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	
1	Data																									
	Data Curah Hujan	81	159	165	147	143	253	122	62	0	7	0	0	0	11	20	0	0	0	0	45	65	82	120		
	Jumlah Hari Hujan	5	8	10	8	9	12	10	5	0	2	0	0	0	0	1	0	0	0	0	5	3	6	8		
2	Evaporasi Terbatas																									
	Evapotranspirasi	67	58	66	49	69	94	91	62	74	69	61	67	68	64	54	67	70	67	74	97	77	80	79	68	
	Exposed Surface	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	
	E/Ep	0,195	0,15	0,12	0,15	0,135	0,09	0,12	0,195	0,27	0,24	0,27	0,27	0,27	0,27	0,255	0,27	0,27	0,27	0,27	0,27	0,195	0,22	0,18	0,15	
	E	13,065	8,7	7,92	7,35	9,315	8,46	10,92	12,09	19,98	16,56	16,47	18,09	18,36	17,28	13,77	18,09	18,9	18,09	19,98	26,19	15,015	17,6	14,22	10,2	
	Et	54	49	58	42	60	86	80	50	54	52	45	49	50	47	40	49	51	49	54	71	62	62	65	58	
3	Water Balance																									
	Er	27	109	107	105	84	167	42	12	-54	-45	-45	-49	-50	-36	-20	-49	-51	-49	-54	-71	-17	3	17	62	
	Soil Storage (SS)	0	0	0	0	0	0	0	0	-54,02	-45,44	-44,53	-48,91	-49,64	-35,72	-20,01	-48,91	-51,1	-48,91	-54,02	-70,81	-16,88	0	0	0	
	Soil Moisture (SMC)	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	
	Water Surplus (WS)	27,398	109,37	107,25	105,02	83,648	167,13	41,92	12,423	0	0	0	0	0	0	0	0	0	0	0	0	0	2,8584	17,366	61,773	
4	Run Off and Ground Water Storage																									
	Infiltrasi (I)	5,4797	21,873	21,451	21,003	16,73	33,425	8,384	2,4847	0	0	0	0	0	0	0	0	0	0	0	0	0	0,5717	3,4732	12,355	
	0,5 x (1 + k) x I	4,9317	19,686	19,306	18,903	15,057	30,083	7,5456	2,2362	0	0	0	0	0	0	0	0	0	0	0	0	0	0,5145	3,1259	11,119	
	k x V _(n-1)	32,132	29,651	39,469	47,02	52,738	54,236	67,455	60,001	49,789	39,832	31,865	25,492	20,394	16,315	13,052	10,442	8,3533	6,6826	5,3461	4,2769	3,4215	2,7372	2,6014	4,5818	
	Storage Volume (Vn)	37,063	49,337	58,775	65,923	67,795	84,319	75,001	62,237	49,789	39,832	31,865	25,492	20,394	16,315	13,052	10,442	8,3533	6,6826	5,3461	4,2769	3,4215	2,7372	5,7272	15,701	
	DVn	-3,101	12,273	9,4382	7,148	1,8721	16,524	-9,318	-12,76	-12,45	-9,958	-7,966	-6,373	-5,098	-4,079	-3,263	-2,61	-2,088	-1,671	-1,337	-1,069	-0,855	-0,17	2,4755	9,9737	
	Base Flow	8,5809	9,6	12,012	13,855	14,858	16,902	17,702	15,249	12,447	9,9579	7,9663	6,373	5,0984	4,0787	3,263	2,6104	2,0883	1,6707	1,3365	1,0692	0,8554	0,7415	0,9977	2,3809	
	Direct Run Off	21,919	87,493	85,803	84,013	66,919	133,7	33,536	9,9387	0	0	0	0	0	0	0	0	0	0	0	0	0	2,2867	13,893	49,418	
	Run Off	30,5	97,093	97,815	97,869	81,776	150,6	51,238	25,187	12,447	9,9579	7,9663	6,373	5,0984	4,0787	3,263	2,6104	2,0883	1,6707	1,3365	1,0692	0,8554	3,0282	14,89	51,799	
5	Storm Run Off																									
	Storm Run Off	0	0	0	0	0	0	0	0	0	0,35	0	0	0	0,55	1,0112	0	0	0	0	0	0	2,2551	0	0	
	Soil Moisture	0	0	0	0	0	0	0	0	200	199,65	200	200	200	199,45	198,99	200	200	200	200	200	197,74	0	0	0	
	Water Surplus	27,398	109,37	107,25	105,02	83,648	167,13	41,92	12,423	0	0	0	0	0	0	0	0	0	0	0	0	0	2,8584	17,366	61,773	
	Base Flow	8,5809	9,6	12,012	13,855	14,858	16,902	17,702	15,249	12,447	9,9579	7,9663	6,373	5,0984	4,0787	3,263	2,6104	2,0883	1,6707	1,3365	1,0692	0,8554	0,7415	0,9977	2,3809	
	Direct Run Off SRO > 0 ; DRO = SRO	21,919	87,493	85,803	84,013	66,919	133,7	33,536	9,9387	0	0,35	0	0	0	0,55	1,0112	0	0	0	0	0	0	2,2551	2,2867	13,893	49,418
	Run Off SRO > 0 ; RO = RO + SRO	30,5	97,093	97,815	97,869	81,776	150,6	51,238	25,187	12,447	10,308	7,9663	6,373	5,0984	4,6287	4,2742	2,6104	2,0883	1,6707	1,3365	1,0692	3,1104	3,0282	14,89	51,799	
6	Effective Discharge (Debit Andalan)	2,9521	9,3978	9,4676	9,4728	7,9152	14,577	4,9594	2,4379	1,2048	0,9977	0,7711	0,6169	0,4935	0,448	0,4137	0,2527	0,2021	0,1617	0,1294	0,1035	0,3011	0,2931	1,4413	5,0137	

(Sumber : Olahan Penulis, 2022)

Lampiran 36. Tabel Perhitungan Debit Andalan Metode F.J Mock Tahun 2016

NO	METEOROLOGICAL DATA	BULAN																							
		Jan		Feb		Mar		Apr		Mei		Jun		Jul		Agu		Sep		Okt		Nov		Des	
		I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II
1	Data																								
	Data Curah Hujan	36	71	210	205	66	75	51	52	20	55	62	80	24	56	44	30	33	105	110	127	179	426	86	49
	Jumlah Hari Hujan	5	6	10	9	8	7	6	7	4	6	6	8	3	5	4	3	3	9	11	8	9	12	10	6
2	Evaporasi Terbatas																								
	Evapotranspirasi	66	94	114	113	93	100	89	87	56	74	71	70	71	63	69	62	74	60	71	83	64	96	55	87
	Exposed Surface	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
	E/Ep	0,195	0,18	0,12	0,135	0,15	0,165	0,18	0,165	0,21	0,18	0,18	0,15	0,225	0,195	0,21	0,225	0,225	0,135	0,105	0,15	0,14	0,09	0,12	0,18
	E	12,87	16,92	13,68	15,255	13,95	16,5	16,02	14,355	11,76	13,32	12,78	10,5	15,975	12,285	14,49	13,95	16,65	8,1	7,455	12,45	8,96	8,64	6,6	15,66
	Et	53	77	100	98	79	84	73	73	44	61	58	60	55	51	55	48	57	52	64	71	55	87	48	71
3	Water Balance																								
	Er	-17	-6	110	107	-13	-9	-22	-21	-25	-5	4	21	-31	5	-11	-18	-25	53	46	56	124	339	37	-22
	Soil Storage (SS)	-17,13	-5,747	0	0	-13,38	-8,833	-22,31	-20,65	-24,57	-5,347	0	0	-30,69	0	-10,51	-18,38	-24,68	0	0	0	0	0	0	-21,99
	Soil Moisture (SMC)	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200
	Water Surplus (WS)	0	0	109,68	107,26	0	0	0	0	0	0	3,78	20,5	0	4,9517	0	0	0	52,767	46,455	56,117	124,29	338,64	37,218	0
4	Run Off and Ground Water Storage																								
	Infiltrasi (I)	0	0	21,936	21,451	0	0	0	0	0	0	0,756	4,1	0	0,9903	0	0	0	10,553	9,291	11,223	24,859	67,728	7,4437	0
	0,5 x (1 + k) x I	0	0	19,742	19,306	0	0	0	0	0	0	0,6804	3,69	0	0,8913	0	0	0	9,498	8,3619	10,101	22,373	60,955	6,6993	0
	k x V _(n-1)	12,561	10,049	8,0389	22,225	33,225	26,58	21,264	17,011	13,609	10,887	8,7097	7,5121	8,9616	7,1693	6,4485	5,1588	4,127	3,3016	10,24	14,881	19,986	33,887	75,874	66,058
	Storage Volume (Vn)	12,561	10,049	27,781	41,531	33,225	26,58	21,264	17,011	13,609	10,887	9,3901	11,202	8,9616	8,0606	6,4485	5,1588	4,127	12,8	18,602	24,982	42,359	94,842	82,573	66,058
	DN _n	-3,14	-2,512	17,733	13,75	-8,306	-6,645	-5,316	-4,253	-3,402	-2,722	-1,497	1,812	-2,24	-0,901	-1,612	-1,29	-1,032	8,6726	5,802	6,3807	17,376	52,483	-12,27	-16,51
	Base Flow	3,1402	2,5122	4,2033	7,7014	8,3062	6,6449	5,316	4,2528	3,4022	2,7218	2,253	2,288	2,2404	1,8914	1,6121	1,2897	1,0318	1,8807	3,489	4,8427	7,4823	15,245	19,713	16,515
	Direct Run Off	0	0	87,744	85,804	0	0	0	0	0	0	3,024	16,4	0	3,9613	0	0	0	42,213	37,164	44,893	99,435	270,91	29,775	0
	Run Off	3,1402	2,5122	91,947	93,505	8,3062	6,6449	5,316	4,2528	3,4022	2,7218	5,277	18,688	2,2404	5,8527	1,6121	1,2897	1,0318	44,094	40,653	49,736	106,92	286,16	49,487	16,515
5	Storm Run Off																								
	Storm Run Off	1,8	3,5667	0	0	3,2833	3,7333	2,5333	2,6	0,9833	2,7667	0	0	1,2167	0	2,2	1,4833	1,6333	0	0	0	0	0	0	2,4674
	Soil Moisture	198,2	196,43	0	0	196,72	196,27	197,47	197,4	199,02	197,23	0	0	198,78	0	197,8	198,52	198,37	0	0	0	0	0	0	197,53
	Water Surplus	0	0	109,68	107,26	0	0	0	0	0	0	3,78	20,5	0	4,9517	0	0	0	52,767	46,455	56,117	124,29	338,64	37,218	0
	Base Flow	3,1402	2,5122	4,2033	7,7014	8,3062	6,6449	5,316	4,2528	3,4022	2,7218	2,253	2,288	2,2404	1,8914	1,6121	1,2897	1,0318	1,8807	3,489	4,8427	7,4823	15,245	19,713	16,515
	Direct Run Off SRO > 0 ; DRO = SRO	1,8	3,5667	87,744	85,804	3,2833	3,7333	2,5333	2,6	0,9833	2,7667	3,024	16,4	1,2167	3,9613	2,2	1,4833	1,6333	42,213	37,164	44,893	99,435	270,91	29,775	2,4674
	Run Off SRO > 0 ; RO = RO + SRO	4,9402	6,0788	91,947	93,505	11,59	10,378	7,8493	6,8528	4,3855	5,4884	5,277	18,688	3,4571	5,8527	3,8121	2,773	2,6651	44,094	40,653	49,736	106,92	286,16	49,487	18,982
6	Effective Discharge (Debit Andalan)	0,4782	0,5884	8,8997	9,0505	1,1218	1,0045	0,7597	0,6633	0,4245	0,5312	0,5108	1,8088	0,3346	0,5665	0,369	0,2684	0,258	4,2679	3,9348	4,814	10,349	27,697	4,7899	1,8373

(Sumber : Olahan Penulis, 2022)

Lampiran 37. Tabel Perhitungan Debit Andalan Metode F.J Mock Tahun 2017

NO	METEOROLOGICAL DATA	BULAN																							
		Jan		Feb		Mar		Apr		Mei		Jun		Jul		Agu		Sep		Okt		Nov		Des	
		I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II
1	Data																								
	Data Curah Hujan	50	217	183	84	139	83	136	111	34	48	2	4	0	0	0	0	0	40	86	57	93	161	78	101
	Jumlah Hari Hujan	7	9	11	9	7	5	13	14	5	3	1	1	0	0	0	0	0	4	5	4	7	12	7	8
2	Evaporasi Terbatas																								
	Evapotranspirasi	55	121	90	126	53	83	70	65	75	70	53	59	62	56	59	72	64	80	65	74	64	63	74	104
	Exposed Surface	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
	E/Ep	0,165	0,135	0,105	0,135	0,165	0,195	0,075	0,06	0,195	0,225	0,255	0,255	0,27	0,27	0,27	0,27	0,27	0,21	0,195	0,21	0,16	0,095	0,165	0,15
	E	9,075	16,335	9,45	17,01	8,745	16,185	5,25	3,9	14,625	15,75	13,515	15,045	16,74	15,12	15,93	19,44	17,28	16,8	12,675	15,54	10,24	5,985	12,21	15,525
	Et	46	105	81	109	44	67	65	61	60	54	39	44	45	41	43	53	47	63	52	58	54	57	62	88
3	Water Balance																								
	Er	4	112	102	-25	95	16	72	50	-26	-6	-37	-40	-45	-41	-43	-53	-47	-24	33	-2	39	104	16	13
	Soil Storage (SS)	0	0	0	-25,27	0	0	0	0	-25,89	-6,16	-37,49	-40,29	-45,26	-40,88	-43,07	-52,56	-46,72	-23,53	0	-1,793	0	0	0	0
	Soil Moisture (SMC)	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200
	Water Surplus (WS)	3,648	112,27	102,09	0	95,078	15,852	71,651	50,002	0	0	0	0	0	0	0	0	0	0	33,342	0	39,465	103,78	15,877	13,358
4	Run Off and Ground Water Storage																								
	Infiltrasi (I)	0,7296	22,453	20,418	0	19,016	3,1703	14,33	10	0	0	0	0	0	0	0	0	0	0	6,6683	0	7,893	20,757	3,1753	2,6717
	0,5 x (1 + k) x I	0,6566	20,208	18,376	0	17,114	2,8533	12,897	9,0003	0	0	0	0	0	0	0	0	0	0	6,0015	0	7,1037	18,681	2,8578	2,4045
	k x V _(n-1)	52,847	42,803	50,409	55,028	44,022	48,909	41,41	43,446	41,957	33,565	26,852	21,482	17,186	13,748	10,999	8,799	7,0392	5,6314	4,5051	8,4053	6,7242	11,062	23,795	21,322
	Storage Volume (Vn)	53,503	63,011	68,785	55,028	61,136	51,762	54,307	52,446	41,957	33,565	26,852	21,482	17,186	13,748	10,999	8,799	7,0392	5,6314	10,507	8,4053	13,828	29,743	26,652	23,726
	DVn	-12,56	9,5074	5,7741	-13,76	6,1085	-9,374	2,5447	-1,861	-10,49	-8,391	-6,713	-5,37	-4,296	-3,437	-2,75	-2,2	-1,76	-1,408	4,8752	-2,101	5,4226	15,915	-3,091	-2,926
	Base Flow	13,285	12,946	14,644	13,757	12,907	12,544	11,786	11,861	10,489	8,3914	6,7131	5,3705	4,2964	3,4371	2,7497	2,1997	1,7598	1,4078	1,7931	2,1013	2,4704	4,8412	6,2662	5,5977
	Direct Run Off	2,9184	89,814	81,672	0	76,063	12,681	57,321	40,001	0	0	0	0	0	0	0	0	0	0	26,673	0	31,572	83,026	12,701	10,687
	Run Off	16,203	102,76	96,316	13,757	88,97	25,226	69,106	51,863	10,489	8,3914	6,7131	5,3705	4,2964	3,4371	2,7497	2,1997	1,7598	1,4078	28,466	2,1013	34,042	87,868	18,968	16,284
5	Storm Run Off																								
	Storm Run Off	0	0	0	4,186	0	0	0	0	1,7242	2,4045	0,1	0,1833	0	0	0	0	0	1,9833	0	2,8333	0	0	0	0
	Soil Moisture	0	0	0	195,81	0	0	0	0	198,28	197,6	199,9	199,82	200	200	200	200	200	198,02	0	197,17	0	0	0	0
	Water Surplus	3,648	112,27	102,09	0	95,078	15,852	71,651	50,002	0	0	0	0	0	0	0	0	0	0	33,342	0	39,465	103,78	15,877	13,358
	Base Flow	13,285	12,946	14,644	13,757	12,907	12,544	11,786	11,861	10,489	8,3914	6,7131	5,3705	4,2964	3,4371	2,7497	2,1997	1,7598	1,4078	1,7931	2,1013	2,4704	4,8412	6,2662	5,5977
	Direct Run Off SRO > 0 ; DRO = SRO	2,9184	89,814	81,672	4,186	76,063	12,681	57,321	40,001	1,7242	2,4045	0,1	0,1833	0	0	0	0	0	1,9833	26,673	2,8333	31,572	83,026	12,701	10,687
	Run Off SRO > 0 ; RO = RO + SRO	16,203	102,76	96,316	17,943	88,97	25,226	69,106	51,863	12,213	10,796	6,8131	5,5538	4,2964	3,4371	2,7497	2,1997	1,7598	3,3912	28,466	4,9346	34,042	87,868	18,968	16,284
6	Effective Discharge (Debit Andalan)	1,5683	9,9462	9,3225	1,7367	8,6115	2,4416	6,6889	5,0199	1,1821	1,0449	0,6594	0,5376	0,4159	0,3327	0,2661	0,2129	0,1703	0,3282	2,7553	0,4776	3,295	8,5048	1,8359	1,5762

(Sumber : Olahan Penulis, 2022)

Lampiran 38. Tabel Perhitungan Debit Andalan Metode F.J Mock Tahun 2018

NO	METEOROLOGICAL DATA	BULAN																								
		Jan		Feb		Mar		Apr		Mei		Jun		Jul		Agu		Sep		Okt		Nov		Des		
		I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	
1	Data																									
	Data Curah Hujan	147	153	119	163	159	113	48	107	4	2	0	19	5	0	0	0	0	5	11	55	71	56	54		
	Jumlah Hari Hujan	10	10	12	8	9	10	6	6	1	1	0	3	1	0	0	0	0	1	1	4	4	8	5		
2	Evaporasi Terbatas																									
	Evapotranspirasi	67	73	102	55	66	97	85	78	73	105	72	63	70	97	82	101	88	103	95	112	75	86	74	79	
	Exposed Surface	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	
	E/Ep	0.12	0.12	0.09	0.15	0.135	0.12	0.18	0.18	0.255	0.255	0.27	0.225	0.255	0.27	0.27	0.27	0.27	0.27	0.255	0.255	0.215	0.215	0.15	0.195	
	E	8.052	8.808	9.189	8.235	8.91	11.64	15.354	14.004	18.513	26.724	19.386	14.108	17.952	26.163	22.086	27.27	23.652	27.756	24.251	28.637	16.147	18.512	11.07	15.366	
	Et	59	65	93	47	57	85	70	64	54	78	52	49	52	71	60	74	64	75	71	84	59	68	63	63	
3	Water Balance																									
	Er	88	88	26	116	102	28	-22	43	-50	-76	-52	-30	-47	-71	-60	-74	-64	-75	-66	-72	-4	3	-7	-9	
	Soil Storage (SS)	0	0	0	0	0	0	-21.95	0	-49.68	-75.87	-52.41	-29.59	-47.45	-70.74	-59.71	-73.73	-63.95	-75.04	-65.91	-72.43	-3.62	0	-6.64	-9.041	
	Soil Moisture (SMC)	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	
	Water Surplus (WS)	87.619	88.408	26.422	116.34	102.24	27.64	0	43.204	0	0	0	0	0	0	0	0	0	0	0	0	3.4115	0	0		
4	Run Off and Ground Water Storage																									
	Infiltrasi (I)	17,524	17,682	5,2845	23,267	20,449	5,528	0	8,6408	0	0	0	0	0	0	0	0	0	0	0	0	0	0,6823	0	0	
	0.5 x (1 + k) x I	15,771	15,913	4,756	20,94	18,404	4,9752	0	7,7767	0	0	0	0	0	0	0	0	0	0	0	0	0	0,6141	0	0	
	k x V _(n-1)	18,981	27,802	34,972	31,783	42,178	48,466	42,753	34,202	33,583	26,867	21,493	17,195	13,756	11,005	8,8036	7,0429	5,6343	4,5075	3,606	2,8848	2,3078	1,8463	1,9683	1,5746	
	Storage Volume (Vn)	34,753	43,715	39,728	52,723	60,582	53,441	42,753	41,979	33,583	26,867	21,493	17,195	13,756	11,005	8,8036	7,0429	5,6343	4,5075	3,606	2,8848	2,3078	2,4603	1,9683	1,5746	
	DVn	11,026	8,9629	-3,987	12,995	7,8592	-7,141	-10,69	-0,774	-8,396	-6,717	-5,373	-4,299	-3,439	-2,751	-2,201	-1,761	-1,409	-1,127	-0,901	-0,721	-0,577	0,1525	-0,492	-0,394	
	Base Flow	6,4977	8,7187	9,2715	10,272	12,589	12,669	10,688	9,4146	8,3958	6,7166	5,3733	4,2986	3,4389	2,7511	2,2009	1,7607	1,4086	1,1269	0,9015	0,7212	0,577	0,5298	0,4921	0,3937	
	Direct Run Off	70,095	70,726	21,138	93,068	81,795	22,112	0	34,563	0	0	0	0	0	0	0	0	0	0	0	0	0	2,7292	0	0	
	Run Off	76,593	79,445	30,409	103,34	94,384	34,781	10,688	43,978	8,3958	6,7166	5,3733	4,2986	3,4389	2,7511	2,2009	1,7607	1,4086	1,1269	0,9015	0,7212	0,577	3,259	0,4921	0,3937	
5	Storm Run Off																									
	Storm Run Off	0	0	0	0	0	0	2,4	0	0,2202	0,1101	0	0,95	0,25	0	0	0	0	0	0,2472	0,5618	2,7667	0	2,8045	2,7197	
	Soil Moisture	0	0	0	0	0	0	197,6	0	199,78	199,89	200	199,05	199,75	200	200	200	200	200	199,75	199,44	197,23	0	197,2	197,28	
	Water Surplus	87,619	88,408	26,422	116,34	102,24	27,64	0	43,204	0	0	0	0	0	0	0	0	0	0	0	0	0	3,4115	0	0	
	Base Flow	6,4977	8,7187	9,2715	10,272	12,589	12,669	10,688	9,4146	8,3958	6,7166	5,3733	4,2986	3,4389	2,7511	2,2009	1,7607	1,4086	1,1269	0,9015	0,7212	0,577	0,5298	0,4921	0,3937	
	Direct Run Off SRO > 0 ; DRO = SRO	70,095	70,726	21,138	93,068	81,795	22,112	2,4	34,563	0,2202	0,1101	0	0,95	0,25	0	0	0	0	0	0,2472	0,5618	2,7667	2,7292	2,8045	2,7197	
	Run Off SRO > 0 ; RO = RO + SRO	76,593	79,445	30,409	103,34	94,384	34,781	13,088	43,978	8,616	6,8267	5,3733	4,2486	3,6889	2,7511	2,2009	1,7607	1,4086	1,1269	0,9015	0,7212	1,283	3,3436	3,259	3,2966	3,1133
6	Effective Discharge (Debit Andalan)	7,4135	7,6896	2,9434	10,002	9,1355	3,3665	1,2668	4,2567	0,834	0,6608	0,5201	0,508	0,3571	0,2663	0,213	0,1704	0,1363	0,1091	0,1112	0,1242	0,3236	0,3154	0,3191	0,3013	

(Sumber : Olahan Penulis, 2022)

Lampiran 39. Tabel Perhitungan Debit Andalan Metode F.J Mock Tahun 2019

NO	METEOROLOGICAL DATA	BULAN																								
		Jan		Feb		Mar		Apr		Mei		Jun		Jul		Agu		Sep		Okt		Nov		Des		
		I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	
1	Data																									
	Data Curah Hujan	114	132	162	186	159	117	71	62	49	8	0	3	1	0	0	0	0	0	0	4	16	27	121	270	
	Jumlah Hari Hujan	9	10	12	10	8	9	7	6	5	1	0	1	1	0	0	0	0	0	1	2	3	9	11		
2	Evaporasi Terbatas																									
	Evapotranspirasi	66	64	62	78	88	74	80	58	50	74	71	69	67	65	72	87	87	82	100	109	88	101	105	74	
	Exposed Surface	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	
	E/Ep	0,135	0,12	0,09	0,12	0,15	0,135	0,165	0,18	0,195	0,255	0,27	0,255	0,255	0,27	0,27	0,27	0,27	0,27	0,255	0,24	0,22	0,135	0,105		
	E	8,883	7,716	5,553	9,324	13,245	10,017	13,184	10,35	9,6525	18,794	19,035	17,57	17,162	17,604	19,494	23,382	23,598	22,032	27,027	27,77	21,096	22,198	14,162	7,8015	
	Et	57	57	56	68	75	64	67	47	40	55	51	51	50	48	53	63	64	60	73	81	67	79	91	66	
3	Water Balance																									
	Er	57	75	106	118	84	53	5	15	9	-47	-51	-48	-49	-48	-53	-63	-64	-60	-73	-77	-50	-52	30	204	
	Soil Storage (SS)	0	0	0	0	0	0	0	0	0	-46,91	-51,47	-48	-49,14	-47,6	-52,71	-63,22	-63,8	-59,57	-73,07	-77,46	-50,47	-51,7	0	0	
	Soil Moisture (SMC)	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	
	Water Surplus (WS)	57,083	75,083	105,82	117,8	83,945	52,817	4,6168	14,517	8,8192	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30,262	203,83
4	Run Off and Ground Water Storage																									
	Infiltrasi (I)	11,417	15,017	21,164	23,56	16,789	10,563	0,9234	2,9033	1,7638	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6,0523	40,767
	0,5 x (1 + k) x I	10,275	13,515	19,048	21,204	15,11	9,5071	0,831	2,613	1,5875	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5,4471	36,69
	k x V _(n-1)	1,2597	9,2277	18,194	29,793	40,798	44,726	43,387	35,374	30,39	25,582	20,465	16,372	13,098	10,478	8,3826	6,7061	5,3649	4,2919	3,4335	2,7468	2,1975	1,758	1,4064	5,4828	
	Storage Volume (Vn)	11,535	22,743	37,242	50,997	55,908	54,233	44,218	37,987	31,977	25,582	20,465	16,372	13,098	10,478	8,3826	6,7061	5,3649	4,2919	3,4335	2,7468	2,1975	1,758	6,8534	42,173	
	DVn	996	11,208	14,499	13,755	4,9107	-1,675	-10,02	-6,231	-6,01	-6,395	-5,116	-4,093	-3,274	-2,62	-2,096	-1,677	-1,341	-1,073	-0,858	-0,687	-0,549	-0,439	5,0955	35,32	
	Base Flow	1,4566	3,8086	6,6649	9,8043	11,878	12,238	10,939	9,1339	7,7738	6,3954	5,1163	4,0931	3,2745	2,6196	2,0957	1,6765	1,3412	1,073	0,8584	0,6867	0,5494	0,4395	0,9568	5,4474	
	Direct Run Off	45,666	60,066	84,656	94,239	67,156	42,254	3,6935	11,613	7,0553	0	0	0	0	0	0	0	0	0	0	0	0	0	24,209	163,07	
	Run Off	47,123	63,875	91,321	104,04	79,034	54,492	14,632	20,747	14,829	6,3954	5,1163	4,0931	3,2745	2,6196	2,0957	1,6765	1,3412	1,073	0,8584	0,6867	0,5494	0,4395	25,166	168,52	
5	Storm Run Off																									
	Storm Run Off	0	0	0	0	0	0	0	0	0	0,4	0	0,1667	0,05	0	0	0	0	0	0	0	0,1833	0,8167	1,35	0	0
	Soil Moisture	0	0	0	0	0	0	0	0	0	199,6	200	199,83	199,95	200	200	200	200	200	200	200	199,82	199,18	198,65	0	0
	Water Surplus	57,083	75,083	105,82	117,8	83,945	52,817	4,6168	14,517	8,8192	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30,262	203,83
	Base Flow	1,4566	3,8086	6,6649	9,8043	11,878	12,238	10,939	9,1339	7,7738	6,3954	5,1163	4,0931	3,2745	2,6196	2,0957	1,6765	1,3412	1,073	0,8584	0,6867	0,5494	0,4395	0,9568	5,4474	
	Direct Run Off SRO > 0 ; DRO = SRO	45,666	60,066	84,656	94,239	67,156	42,254	3,6935	11,613	7,0553	0,4	0	0,1667	0,05	0	0	0	0	0	0	0,1833	0,8167	1,35	24,209	163,07	
	Run Off SRO > 0 ; RO = RO + SRO	47,123	63,875	91,321	104,04	79,034	54,492	14,632	20,747	14,829	6,7954	5,1163	4,2597	3,3245	2,6196	2,0957	1,6765	1,3412	1,073	0,8584	0,87	1,366	0,4395	25,166	168,52	
6	Effective Discharge (Debit Andalan)	4,5611	6,1825	8,8391	10,07	7,6498	5,2743	1,4163	2,0081	1,4353	0,6577	0,4952	0,4123	0,3218	0,2536	0,2028	0,1623	0,1298	0,1039	0,0831	0,0842	0,1322	0,0425	2,4358	16,311	

(Sumber : Olahan Penulis, 2022)

Lampiran 40. Tabel Perhitungan Debit Andalan Metode F.J Mock Tahun 2020

NO	METEOROLOGICAL DATA	BULAN																							
		Jan		Feb		Mar		Apr		Mei		Jun		Jul		Agu		Sep		Okt		Nov		Des	
		I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II
1	Data																								
	Data Curah Hujan	143,3	65	167	106	104	108	100	37	50	60	25	3	12	10	36	28	10	11	39	114	41	79	145	88
	Jumlah Hari Hujan	10	6	9	7	8	9	6	4	5	6	3	1	2	2	3	1	2	2	4	7	4	7	10	9
2	Evaporasi Terbatas																								
	Evapotranspirasi	92,30	79	88	75	74	67	82	64	88	90	45	60	65	66	55	73	80	85	74	77	101	78	85	63
	Exposed Surface	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
	E/Ep	0,12	0,18	0,135	0,165	0,15	0,135	0,18	0,21	0,195	0,18	0,225	0,255	0,24	0,24	0,225	0,255	0,24	0,24	0,21	0,165	0,215	0,17	0,12	0,135
	E	11,076	14,256	11,84	12,342	11,07	9,045	14,742	13,524	17,063	16,182	10,125	15,326	15,504	15,84	12,42	18,615	19,176	20,472	15,435	12,623	21,801	13,226	10,2	8,505
	Et	81,22	65	76	62	63	58	67	51	70	74	35	45	49	50	43	54	61	65	58	64	80	65	75	54
3	Water Balance																								
	Er	62,11	0	91	43	41	50	33	-14	-21	-14	-10	-41	-37	-40	-7	-27	-51	-54	-19	50	-39	14	70	34
	Soil Storage (SS)	0	0	0	0	0	0	0	-13,54	-20,77	-13,72	-9,875	-41,44	-36,76	-40,49	-7,113	-26,72	-50,72	-54,16	-18,73	0	-38,93	0	0	0
	Soil Moisture (SMC)	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200
	Water Surplus (WS)	62,109	0,3893	91,14	43,209	40,937	50,045	32,842	0	0	0	0	0	0	0	0	0	0	0	0	49,789	0	14,426	70,2	33,838
4	Run Off and Ground Water Storage																								
	Infiltrasi (I)	12,422	0,0779	18,228	8,6417	8,1873	10,009	6,5684	0	0	0	0	0	0	0	0	0	0	0	0	9,9578	0	2,8852	14,04	6,7677
	0,5 x (1 + k) x I	11,18	0,0701	16,405	7,7776	7,3686	9,0081	5,9116	0	0	0	0	0	0	0	0	0	0	0	0	8,9621	0	2,5967	12,636	6,0909
	k x V _(n-1)	33,738	35,934	28,804	36,167	35,156	34,019	34,422	32,267	25,813	20,651	16,521	13,217	10,573	8,4586	6,7668	5,4135	4,3308	3,4646	2,7717	2,2174	8,9435	7,1548	7,8012	16,35
	Storage Volume (Vn)	44,918	36,005	45,209	43,945	42,524	43,028	40,334	32,267	25,813	20,651	16,521	13,217	10,573	8,4586	6,7668	5,4135	4,3308	3,4646	2,7717	11,179	8,9435	9,7515	20,437	22,441
	DVn	2,7451	-8,914	9,2042	-1,264	-1,42	0,5032	-2,694	-8,067	-6,453	-5,163	-4,13	-3,304	-2,643	-2,115	-1,692	-1,353	-1,083	-0,866	-0,693	8,4077	-2,236	0,808	10,686	2,0035
	Base Flow	9,6768	8,9914	9,0237	9,9059	9,6076	9,5058	9,2623	8,0667	6,4534	5,1627	4,1302	3,3041	2,6433	2,1146	1,6917	1,3534	1,0827	0,8662	0,6929	1,5501	2,2359	2,0772	3,3543	4,7642
	Direct Run Off	49,687	0,3115	72,912	34,567	32,749	40,036	26,274	0	0	0	0	0	0	0	0	0	0	0	0	39,831	0	11,541	56,16	27,071
	Run Off	59,364	9,3029	81,935	44,473	42,357	49,542	35,536	8,0667	6,4534	5,1627	4,1302	3,3041	2,6433	2,1146	1,6917	1,3534	1,0827	0,8662	0,6929	41,381	2,2359	13,618	59,514	31,835
5	Storm Run Off																								
	Storm Run Off	0	0	0	0	0	0	0	1,8667	2,4833	3	1,25	0,1667	0,6167	0,4833	1,7833	1,3833	0,5	0,5333	1,9667	0	2,0333	0	0	0
	Soil Moisture	0	0	0	0	0	0	0	198,13	197,52	197	198,75	199,83	199,38	199,52	198,22	198,62	199,5	199,47	198,03	0	197,97	0	0	0
	Water Surplus	62,109	0,3893	91,14	43,209	40,937	50,045	32,842	0	0	0	0	0	0	0	0	0	0	0	0	49,789	0	14,426	70,2	33,838
	Base Flow	9,6768	8,9914	9,0237	9,9059	9,6076	9,5058	9,2623	8,0667	6,4534	5,1627	4,1302	3,3041	2,6433	2,1146	1,6917	1,3534	1,0827	0,8662	0,6929	1,5501	2,2359	2,0772	3,3543	4,7642
	Direct Run Off	49,687	0,3115	72,912	34,567	32,749	40,036	26,274	1,8667	2,4833	3	1,25	0,1667	0,6167	0,4833	1,7833	1,3833	0,5	0,5333	1,9667	39,831	2,0333	11,541	56,16	27,071
	Run Off	59,364	9,3029	81,935	44,473	42,357	49,542	35,536	9,9334	8,9367	8,1627	5,3802	3,4708	3,26	2,598	3,475	2,7367	1,5827	1,3995	2,6596	41,381	4,2692	13,618	59,514	31,835
6	Effective Discharge (Debit Andalan)	5,7459	0,9004	7,9306	4,3046	4,0998	4,7952	3,4396	0,9615	0,865	0,7901	0,5208	0,3359	0,3155	0,2515	0,3364	0,2649	0,1532	0,1355	0,2574	4,0053	0,4132	1,3181	5,7604	3,0813

(Sumber : Olahan Penulis , 2022)

Lampiran 41. Tabel Perhitungan Debit Andalan Metode F.J Mock Tahun 2021

NO	METEOROLOGICAL DATA	BULAN																							
		Jan		Feb		Mar		Apr		Mei		Jun		Jul		Agu		Sep		Okt		Nov		Des	
		I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II
1	Data																								
	Data Curah Hujan	49	129	138	88	78	159	62	28	40	34	48	65	17	0	4	0	8	18	12	28	99	121	78	102
	Jumlah Hari Hujan	5	10	10	7	9	10	7	3	7	5	5	7	2	0	2	0	2	3	2	4	9	10	6	12
2	Evaporasi Terbatas																								
	Evapotranspirasi	59	80	79	68	69	97	67	74	57	70	48	52	57	68	62	76	80	68	77	72	72	52	61	71
	Exposed Surface	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
	E/Ep	0,195	0,12	0,12	0,165	0,135	0,12	0,165	0,225	0,165	0,195	0,195	0,165	0,24	0,27	0,24	0,27	0,24	0,225	0,24	0,21	0,135	0,12	0,18	0,30
	E	11,466	9,552	9,504	11,171	9,315	11,664	11,072	16,74	9,471	13,728	9,36	8,58	13,68	18,225	14,88	20,385	19,176	15,3	18,48	15,078	9,7605	6,228	10,908	6,399
	Et	47	70	70	57	60	86	56	58	48	57	39	43	43	49	47	55	61	53	59	57	63	46	50	65
3	Water Balance																								
	Er	2	59	68	31	18	73	6	-29	-8	-23	10	22	-27	-49	-43	-55	-53	-35	-47	-29	36	75	28	38
	Soil Storage (SS)	0	0	0	0	0	0	0	-29,49	-7,732	-22,76	0	0	-26,65	-49,28	-42,63	-55,12	-53,22	-34,5	-46,85	-29,14	0	0	0	0
	Soil Moisture (SMC)	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200
	Water Surplus (WS)	1,9134	59,154	67,804	31,371	18,191	73,419	6,0715	0	0	0	9,66	21,613	0	0	0	0	0	0	0	0	36,127	75,328	28,308	37,632
4	Run Off and Ground Water Storage																								
	Infiltrasi (I)	0,3827	11,831	13,561	6,2741	3,6383	14,684	1,2143	0	0	0	1,932	4,3227	0	0	0	0	0	0	0	0	7,2254	15,066	5,6616	7,5265
	0,5 x (1 + k) x I	0,3444	10,648	12,205	5,6467	3,2745	13,215	1,0929	0	0	0	1,7388	3,8904	0	0	0	0	0	0	0	0	6,5029	13,559	5,0954	6,7738
	k x V _(n-1)	17,953	14,638	20,228	25,946	25,274	22,839	28,844	23,949	19,159	15,328	12,262	11,201	12,073	9,6583	7,7266	6,1813	4,945	3,956	3,1648	2,5319	2,0255	6,8227	16,305	17,121
	Storage Volume (Vn)	18,297	25,285	32,433	31,593	28,549	36,055	29,937	23,949	19,159	15,328	14,001	15,091	12,073	9,6583	7,7266	6,1813	4,945	3,956	3,1648	2,5319	8,5284	20,382	21,401	23,894
	DVn	-4,144	6,9884	7,1477	-0,84	-3,044	7,5057	-6,118	-5,987	-4,79	-3,832	-1,327	1,0902	-3,018	-2,415	-1,932	-1,545	-1,236	-0,989	-0,791	-0,633	5,9965	11,853	10,191	2,4937
	Base Flow	4,5264	4,8425	6,4131	7,114	6,6824	7,1782	7,3324	5,9873	4,7899	3,8319	3,2587	3,2324	3,0182	2,4146	1,9317	1,5453	1,2363	0,989	0,7912	0,633	1,2289	3,2122	4,6425	5,0328
	Direct Run Off	1,5307	47,323	54,243	25,096	14,553	58,735	4,8572	0	0	0	7,728	17,291	0	0	0	0	0	0	0	0	28,902	60,262	22,646	30,106
	Run Off	6,0571	52,166	60,656	32,21	21,236	65,914	12,19	5,9873	4,7899	3,8319	10,987	20,523	3,0182	2,4146	1,9317	1,5453	1,2363	0,989	0,7912	0,633	30,131	63,475	27,289	35,139
5	Storm Run Off																								
	Storm Run Off	0	0	0	0	0	0	0	1,4083	2,0098	1,6954	0	0	0,8333	0	0,2247	0	0,375	0,91	0,5833	1,3791	0	0	0	0
	Soil Moisture	0	0	0	0	0	0	0	198,59	197,99	198,3	0	0	199,17	200	199,78	200	199,63	199,09	199,42	198,62	0	0	0	0
	Water Surplus	1,9134	59,154	67,804	31,371	18,191	73,419	6,0715	0	0	0	9,66	21,613	0	0	0	0	0	0	0	0	36,127	75,328	28,308	37,632
	Base Flow	4,5264	4,8425	6,4131	7,114	6,6824	7,1782	7,3324	5,9873	4,7899	3,8319	3,2587	3,2324	3,0182	2,4146	1,9317	1,5453	1,2363	0,989	0,7912	0,633	1,2289	3,2122	4,6425	5,0328
	Direct Run Off SRO > 0 ; DRO = SRO	1,5307	47,323	54,243	25,096	14,553	58,735	4,8572	1,4083	2,0098	1,6954	7,728	17,291	0,8333	0	0,2247	0	0,375	0,91	0,5833	1,3791	28,902	60,262	22,646	30,106
	Run Off SRO > 0 ; RO = RO + SRO	6,0571	52,166	60,656	32,21	21,236	65,914	12,19	7,3956	6,7997	5,5272	10,987	20,523	3,8515	2,4146	2,1564	1,5453	1,6113	1,899	1,3745	2,0121	30,131	63,475	27,289	35,139
6	Effective Discharge (Debit Andalan)	0,5863	5,0492	5,871	3,1177	2,0554	6,3798	1,1798	0,7158	0,6581	0,535	1,0634	1,9864	0,3728	0,2337	0,2087	0,1496	0,156	0,1838	0,133	0,1948	2,9164	6,1438	2,6413	3,4011

(Sumber : Olahan Penulis, 2022)

Lampiran 42. Tabel Rekapitulasi Perhitungan Potensi Energi Listrik untuk Q80

No.	Urutan	Satuan	Bulan																							
			Januari		Februari		Maret		April		Mei		Juni		Juli		Agustus		September		Oktober		November		Desember	
			I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II		
1.	Jumlah Hari	hari	15	16	15	12	15	16	15	15	15	16	15	16	15	16	15	16	15	15	15	16	15	15	15	16
2.	Q80		7,413	7,690	2,943	10,002	9,136	3,367	1,267	4,257	0,854	0,661	0,520	0,508	0,357	0,266	0,213	0,170	0,136	0,109	0,111	0,124	0,224	0,315	0,319	0,301
3.	Qmaks pemrotok		0,179	0,179	0,179	0,179	0,179	0,179	0,179	0,179	0,179	0,179	0,179	0,179	0,179	0,179	0,179	0,179	0,179	0,179	0,179	0,179	0,179	0,179	0,179	0,179
4.	Heff	m	50,44915	50,44915	50,44915	50,44915	50,44915	50,44915	50,44915	50,44915	50,44915	50,44915	50,44915	50,44915	50,44915	50,44915	50,44915	50,44915	50,44915	50,44915	50,44915	50,44915	50,44915	50,44915	50,44915	50,44915
5.	Lama Operasi	Jam	360	384	360	288	360	384	360	360	360	384	360	360	360	384	360	384	360	360	360	384	360	360	360	384
6.	Daya	kW	7095,415	7095,415	7095,415	7095,415	7095,415	7095,415	7095,415	7095,415	7095,415	7095,415	7095,415	7095,415	7095,415	7095,415	7095,415	7095,415	7095,415	7095,415	7095,415	7095,415	7095,415	7095,415	7095,415	7095,415
7.	Energi	kWh	25543,49	27246,39	25543,49	20434,79	25543,49	27246,39	25543,49	25543,49	25543,49	25543,49	25543,49	25543,49	25543,49	25543,49	25543,49	25543,49	25543,49	25543,49	25543,49	25543,49	25543,49	25543,49	25543,49	27246,39
8.	Beban Daya	kW	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7
9.	Beban Energi	kWh	24372	25996,8	24372	19497,6	24372	25996,8	24372	24372	24372	24372	24372	24372	24372	24372	24372	24372	24372	24372	24372	24372	24372	24372	24372	25996,8

Sumber : Hasil olahan pemfis, 2022

Lampiran 43. Tabel Rekapitulasi Perhitungan Potensi Energi Listrik untuk Q70

No.	Urutan	Satuan	Bulan																							
			Januari		Februari		Maret		April		Mei		Juni		Juli		Agustus		September		Oktober		November		Desember	
			I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II		
1.	Jumlah Hari	hari	15	16	15	12	15	16	15	15	15	16	15	16	15	16	15	16	15	15	15	16	15	15	15	16
2.	Q70		1,568	9,946	9,323	1,737	8,611	2,442	6,689	5,020	1,182	1,045	0,659	0,538	0,416	0,333	0,266	0,213	0,170	0,328	2,755	0,478	3,295	8,505	1,836	1,576
3.	Q0maks pemrotok		0,179	0,179	0,179	0,179	0,179	0,179	0,179	0,179	0,179	0,179	0,179	0,179	0,179	0,179	0,179	0,179	0,179	0,179	0,179	0,179	0,179	0,179	0,179	0,179
4.	Heff	m	50,44915	50,44915	50,44915	50,44915	50,44915	50,44915	50,44915	50,44915	50,44915	50,44915	50,44915	50,44915	50,44915	50,44915	50,44915	50,44915	50,44915	50,44915	50,44915	50,44915	50,44915	50,44915	50,44915	50,44915
5.	Lama Operasi	Jam	360	384	360	288	360	384	360	360	360	384	360	360	360	384	360	384	360	360	360	384	360	360	360	384
6.	Daya	kW	7095,415	7095,415	7095,415	7095,415	7095,415	7095,415	7095,415	7095,415	7095,415	7095,415	7095,415	7095,415	7095,415	7095,415	7095,415	7095,415	7095,415	7095,415	7095,415	7095,415	7095,415	7095,415	7095,415	7095,415
7.	Energi	kWh	25543,49	27246,39	25543,49	20434,79	25543,49	27246,39	25543,49	25543,49	25543,49	25543,49	25543,49	25543,49	25543,49	25543,49	25543,49	25543,49	25543,49	25543,49	25543,49	25543,49	25543,49	25543,49	25543,49	27246,39
8.	Beban Daya	kW	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7
9.	Beban Energi	kWh	24372	25996,8	24372	19497,6	24372	25996,8	24372	24372	24372	24372	24372	24372	24372	24372	24372	24372	24372	24372	24372	24372	24372	24372	24372	25996,8

Sumber : Hasil olahan pemfis, 2022

Lampiran 44. Tabel Rekapitulasi Perhitungan Potensi Energi Listrik untuk Q50

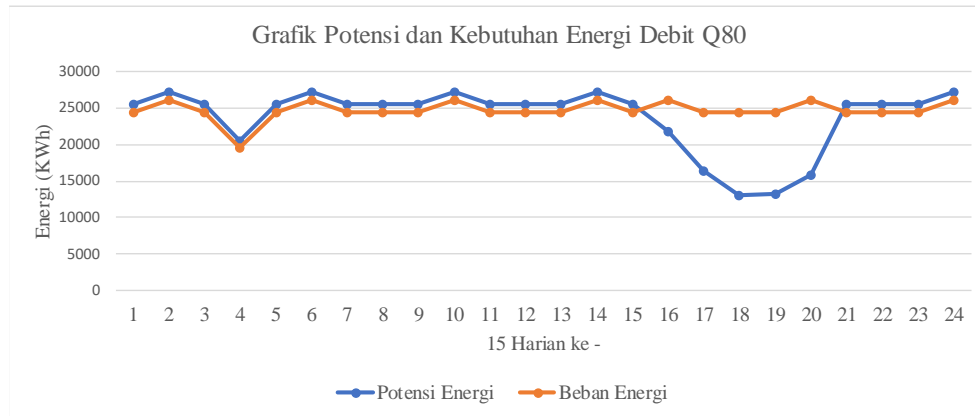
No.	Urutan	Satuan	Bulan																							
			Januari		Februari		Maret		April		Mei		Juni		Juli		Agustus		September		Oktober		November		Desember	
			I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II		
1.	Jumlah Hari	hari	15	16	15	12	15	16	15	15	15	16	15	16	15	16	15	16	15	15	15	16	15	15	15	16
2.	Q50		2,949	9,395	9,466	9,471	7,914	14,576	4,999	2,437	1,204	0,997	0,771	0,617	0,495	0,448	0,414	0,253	0,202	0,162	0,129	0,103	0,301	0,293	1,441	5,014
3.	Q0maks pemrotok		0,179	0,179	0,179	0,179	0,179	0,179	0,179	0,179	0,179	0,179	0,179	0,179	0,179	0,179	0,179	0,179	0,179	0,179	0,179	0,179	0,179	0,179	0,179	0,179
4.	Heff	m	50,44915	50,44915	50,44915	50,44915	50,44915	50,44915	50,44915	50,44915	50,44915	50,44915	50,44915	50,44915	50,44915	50,44915	50,44915	50,44915	50,44915	50,44915	50,44915	50,44915	50,44915	50,44915	50,44915	50,44915
5.	Lama Operasi	Jam	360	384	360	288	360	384	360	360	360	384	360	360	360	384	360	384	360	360	360	384	360	360	360	384
6.	Daya	kW	7095,415	7095,415	7095,415	7095,415	7095,415	7095,415	7095,415	7095,415	7095,415	7095,415	7095,415	7095,415	7095,415	7095,415	7095,415	7095,415	7095,415	7095,415	7095,415	7095,415	7095,415	7095,415	7095,415	7095,415
7.	Energi	kWh	25543,49	27246,39	25543,49	20434,79	25543,49	27246,39	25543,49	25543,49	25543,49	27246,39	25543,49	25543,49	25543,49	25543,49	25543,49	25543,49	25543,49	25543,49	25543,49	25543,49	25543,49	25543,49	25543,49	27246,39
8.	Beban Daya	kW	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7
9.	Beban Energi	kWh	24372	25996,8	24372	19497,6	24372	25996,8	24372	24372	24372	24372	24372	24372	24372	24372	24372	24372	24372	24372	24372	24372	24372	24372	24372	25996,8

Sumber : Hasil olahan pemfis, 2022

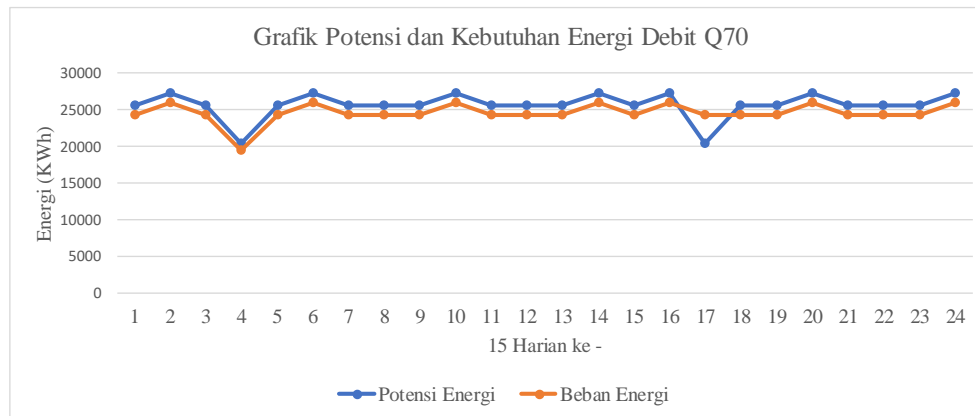
Lampiran 45. Tabel Rekapitulasi Perhitungan Potensi Energi Listrik untuk Q30

No.	Urutan	Satuan	Bulan																							
			Januari		Februari		Maret		April		Mei		Juni		Juli		Agustus		September		Oktober		November		Desember	
			I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II		
1.	Jumlah Hari	hari	15	16	15	12	15	16	15	15	15	16	15	16	15	16	15	16	15	15	15	16	15	15	15	16
2.	Q30		0,478	0,588	8,900	9,090	1,122	1,005	0,760	0,663	0,424	0,531	0,511	1,809	0,335	0,566	0,369	0,268	0,258	4,268	3,935	4,814	10,349	27,697	4,790	1,837
3.	Q0maks pemrotok		0,179	0,179	0,179	0,179	0,179	0,179	0,179	0,179	0,179	0,179	0,179	0,179	0,179	0,179	0,179	0,179	0,179	0,179	0,179	0,179	0,179	0,179	0,179	0,179
4.	Heff	m	50,44915	50,44915	50,44915	50,44915	50,44915	50,44915	50,44915	50,44915	50,44915	50,44915	50,44915	50,44915	50,44915	50,44915	50,44915	50,44915	50,44915	50,44915	50,44915	50,44915	50,44915	50,44915	50,44915	50,44915
5.	Lama Operasi	Jam	360	384	360	288	360	384	360	360	360	384	360	360	360	384	360	384	360	360	360	384	360	360	360	384
6.	Daya	kW	7095,415	7095,415	7095,415	7095,415	7095,415	7095,415	7095,415	7095,415	7095,415	7095,415	7095,415	7095,415	7095,415	7095,415	7095,415	7095,415	7095,415	7095,415	7095,415	7095,415	7095,415	7095,415	7095,415	7095,415
7.	Energi	kWh	25543,49	27246,39	25543,49	20434,79	25543,49	27246,39	25543,49	25543,49	25543,49	25543,49	25543,49	25543,49	25543,49	25543,49	25543,49	25543,49	25543,49	25543,49	25543,49	25543,49	25543,49	25543,49	25543,49	27246,39
8.	Beban Daya	kW	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7
9.	Beban Energi	kWh	24372	25996,8	24372	19497,6	24372	25996,8	24372	24372	24372	24372	24372	24372	24372	24372	24372	24372	24372	24372	24372	24372	24372	24372	24372	25996,8

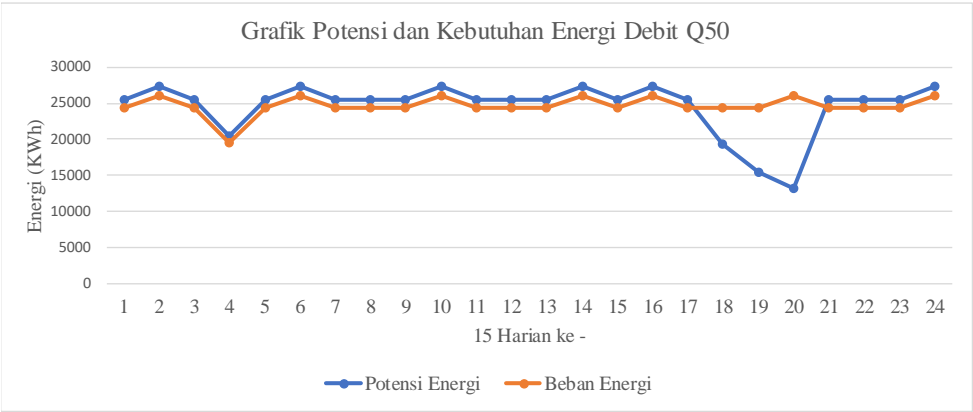
Lampiran 46. Grafik Potensi dan Kebutuhan Energi Listrik Debit Probabilitas 80% (Q80)



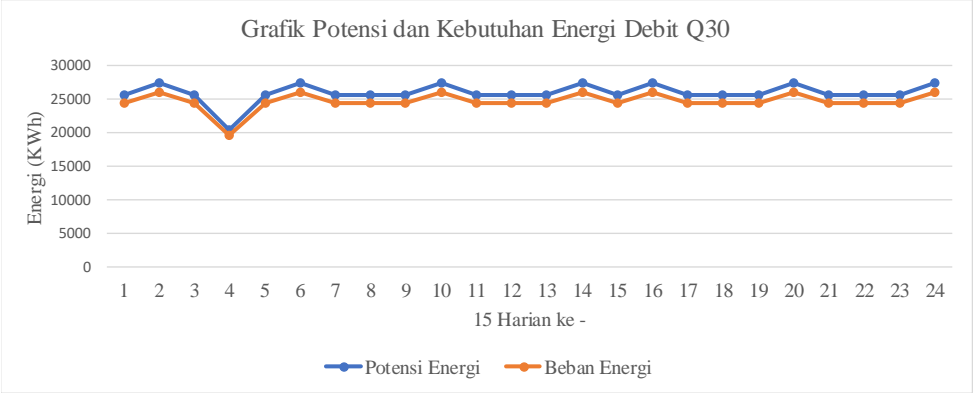
Lampiran 47. Grafik Potensi dan Kebutuhan Energi Listrik Debit Probabilitas 70% (Q70)



Lampiran 48. Grafik Potensi dan Kebutuhan Energi Listrik Debit Probabilitas 50% (Q50)



Lampiran 49. Grafik Potensi dan Kebutuhan Energi Listrik Debit Probabilitas 30% (Q30)



Lampiran 50. Tabel Rekapitulasi Perhitungan Potensi Energi Listrik (Q80) dengan Simulasi Waktu Operasional

No.	Uraian	Satuan	Bulan																							
			Januari		Februari		Maret		April		Mei		Juni		Juli		Agustus		September		Oktober		November		Desember	
			I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II		
1.	Jumlah Hari	hari	15	16	15	12	15	16	15	15	15	16	15	15	16	15	16	15	16	15	15	16	15	15	16	
2.	Q80		7,413	7,690	2,943	10,002	9,136	3,367	1,267	4,257	0,834	0,661	0,520	0,508	0,357	0,266	0,213	0,170	0,136	0,109	0,111	0,124	0,324	0,315	0,319	0,301
3.	Qmaks <i>penstock</i>		0,179	0,179	0,179	0,179	0,179	0,179	0,179	0,179	0,179	0,179	0,179	0,179	0,179	0,137	0,137	0,115	0,092	0,094	0,104	0,179	0,179	0,179	0,179	0,179
4.	Heff	m	50,44915129	50,44915	50,44915	50,44915	50,44915	50,44915	50,4491513	50,44915	50,44915	50,44915	50,44915	50,44915	50,44915	50,44915	50,44915	50,44915	50,44915129	50,44915	50,44915	50,44915	50,44915	50,44915	50,44915	50,44915
5.	Lama Operasi	Jam	360	384	360	288	360	384	360	360	360	360	384	360	360	360	384	360	360	360	360	384	360	360	360	384
6.	Daya	kW	7095414829	7095415	7095415	7095415	7095415	7095415	709541483	7095415	7095415	7095415	7095415	7095415	7095415	7095415	7095415	7095415	7095415	7095415	7095415	7095415	7095415	7095415	7095415	7095415
7.	Energi	kWh	25543,49339	27246,39	25543,49	20343,79	25543,49	27246,39	25543,4934	25543,49	25543,49	27246,39	25543,49	25543,49	25543,49	25543,49	25543,49	25543,49	25543,49	25543,49	25543,49	25543,49	25543,49	25543,49	25543,49	25543,49
8.	Beban Daya	kW	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7
9.	Beban Energi	kWh	24372	25996,8	24372	19497,6	24372	25996,8	24372	24372	24372	24372	25996,8	24372	24372	24372	25996,8	24372	25996,8	24372	24372	24372	25996,8	24372	24372	25996,8

Sumber : Hasil obahan penulis, 2022

Lampiran 51. Tabel Rekapitulasi Perhitungan Potensi Energi Listrik (Q70) dengan Simulasi Waktu Operasional

No.	Uraian	Satuan	Bulan																							
			Januari		Februari		Maret		April		Mei		Juni		Juli		Agustus		September		Oktober		November		Desember	
			I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II		
1.	Jumlah Hari	hari	15	16	15	12	15	16	15	15	15	16	15	15	16	15	16	15	16	15	15	16	15	15	16	
2.	Q70		1,568	9,946	9,323	1,737	8,611	2,442	6,689	5,020	1,182	1,045	0,659	0,538	0,416	0,333	0,266	0,213	0,170	0,328	2,755	0,478	3,295	8,505	1,836	1,576
3.	Q0maks <i>penstock</i>		0,179	0,179	0,179	0,179	0,179	0,179	0,179	0,179	0,179	0,179	0,179	0,179	0,179	0,137	0,137	0,115	0,092	0,094	0,104	0,179	0,179	0,179	0,179	0,179
4.	Heff	m	50,44915129	50,44915	50,44915	50,44915	50,44915	50,44915	50,4491513	50,44915	50,44915	50,44915	50,44915	50,44915	50,44915	50,44915	50,44915	50,44915	50,44915129	50,44915	50,44915	50,44915	50,44915	50,44915	50,44915	50,44915
5.	Lama Operasi	Jam	360	384	360	288	360	384	360	360	360	384	360	360	360	384	360	360	360	360	360	384	360	360	360	384
6.	Daya	kW	7095414829	7095415	7095415	7095415	7095415	7095415	709541483	7095415	7095415	7095415	7095415	7095415	7095415	7095415	7095415	7095415	7095415	7095415	7095415	7095415	7095415	7095415	7095415	7095415
7.	Energi	kWh	25543,49339	27246,39	25543,49	20343,79	25543,49	27246,39	25543,4934	25543,49	25543,49	27246,39	25543,49	25543,49	25543,49	25543,49	25543,49	25543,49	25543,49	25543,49	25543,49	25543,49	25543,49	25543,49	25543,49	25543,49
8.	Beban Daya	kW	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7
9.	Beban Energi	kWh	24372	25996,8	24372	19497,6	24372	25996,8	24372	24372	24372	24372	25996,8	24372	24372	24372	25996,8	24372	25996,8	24372	24372	24372	25996,8	24372	24372	25996,8

Sumber : Hasil obahan penulis, 2022

Lampiran 52. Tabel Rekapitulasi Perhitungan Potensi Energi Listrik (Q50) dengan Simulasi Waktu Operasional

No.	Uraian	Satuan	Bulan																							
			Januari		Februari		Maret		April		Mei		Juni		Juli		Agustus		September		Oktober		November		Desember	
			I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II		
1.	Jumlah Hari	hari	15	16	15	12	15	16	15	15	15	16	15	15	16	15	16	15	16	15	15	16	15	15	16	
2.	Q50		2,949	9,395	9,466	9,471	7,914	14,576	4,959	2,437	1,204	0,997	0,771	0,617	0,493	0,448	0,414	0,253	0,202	0,162	0,129	0,103	0,301	0,293	1,441	5,014
3.	Q0maks <i>penstock</i>		0,179	0,179	0,179	0,179	0,179	0,179	0,179	0,179	0,179	0,179	0,179	0,179	0,179	0,137	0,137	0,115	0,092	0,094	0,104	0,179	0,179	0,179	0,179	0,179
4.	Heff	m	50,44915129	50,44915	50,44915	50,44915	50,44915	50,44915	50,4491513	50,44915	50,44915	50,44915	50,44915	50,44915	50,44915	50,44915	50,44915	50,44915	50,44915	50,44915129	50,44915	50,44915	50,44915	50,44915	50,44915	50,44915
5.	Lama Operasi	Jam	360	384	360	288	360	384	360	360	360	384	360	360	360	384	360	360	360	360	360	384	360	360	360	384
6.	Daya	kW	7095414829	7095415	7095415	7095415	7095415	7095415	709541483	7095415	7095415	7095415	7095415	7095415	7095415	7095415	7095415	7095415	7095415	7095415	7095415	7095415	7095415	7095415	7095415	7095415
7.	Energi	kWh	25543,49339	27246,39	25543,49	20343,79	25543,49	27246,39	25543,4934	25543,49	25543,49	27246,39	25543,49	25543,49	25543,49	25543,49	25543,49	25543,49	25543,49	25543,49	25543,49	25543,49	25543,49	25543,49	25543,49	25543,49
8.	Beban Daya	kW	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7
9.	Beban Energi	kWh	24372	25996,8	24372	19497,6	24372	25996,8	24372	24372	24372	24372	25996,8	24372	24372	24372	25996,8	24372	25996,8	24372	24372	24372	25996,8	24372	24372	25996,8

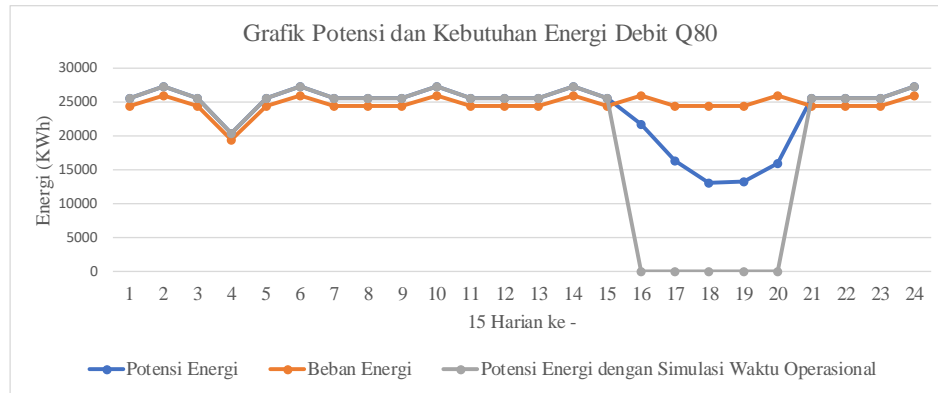
Sumber : Hasil obahan penulis, 2022

Lampiran 53. Tabel Rekapitulasi Perhitungan Potensi Energi Listrik (Q30) dengan Simulasi Waktu Operasional

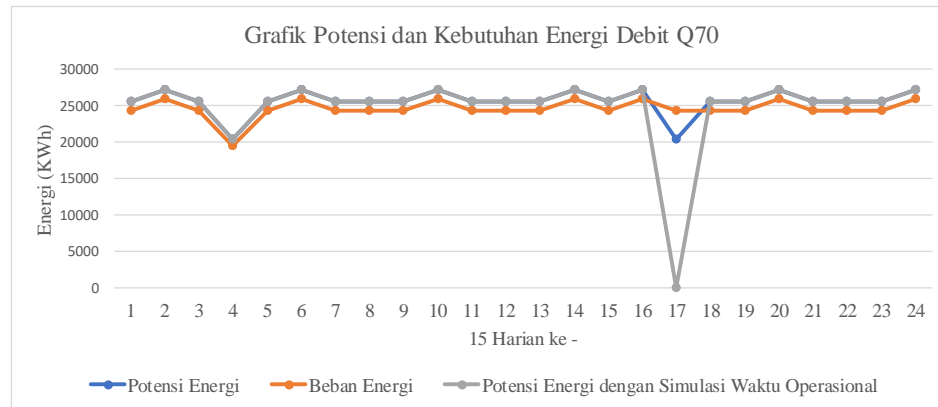
No.	Uraian	Satuan	Bulan																							
			Januari		Februari		Maret		April		Mei		Juni		Juli		Agustus		September		Oktober		November		Desember	
			I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II		
1.	Jumlah Hari	hari	15	16	15	12	15	16	15	15	15	16	15	15	16	15	16	15	16	15	15	16	15	15	16	
2.	Q30		0,478	0,588	8,900	9,050	1,122	1,005	0,760	0,663	0,424	0,531	0,511	1,809	0,335	0,566	0,369	0,268	0,258	4,268	3,935	4,814	10,349	27,697	4,790	1,837
3.	Q0maks <i>penstock</i>		0,179	0,179	0,179	0,179	0,179	0,179	0,179	0,179	0,179	0,179	0,179	0,179	0,179	0,137	0,137	0,115	0,092	0,094	0,104	0,179	0,179	0,179	0,179	0,179
4.	Heff	m	50,44915129	50,44915	50,44915	50,44915	50,44915	50,44915	50,4491513	50,44915	50,44915	50,44915	50,44915	50,44915	50,44915	50,44915	50,44915	50,44915	50,44915	50,44915129	50,44915	50,44915	50,44915	50,44915	50,44915	50,44915
5.	Lama Operasi	Jam	360	384	360	288	360	384	360	360	360	384	360	360	360	384	360	360	360	360	360	384	360	360	360	384
6.	Daya	kW	7095414829	7095415	7095415	7095415	7095415	7095415	709541483	7095415	7095415	7095415	7095415	7095415	7095415	7095415	7095415	7095415	7095415	7095415	7095415	7095415	7095415	7095415	7095415	7095415
7.	Energi	kWh	25543,49339	27246,39	25543,49	20343,79	25543,49	27246,39	25543,4934	25543,49	25543,49	27246,39	25543,49	25543,49	25543,49	25543,49	25543,49	25543,49	25543,49	25543,49	25543,49	25543,49	25543,49	25543,49	25543,49	25543,49
8.	Beban Daya	kW	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7	67,7
9.	Beban Energi	kWh	24372	25996,8	24372	19497,6	24372	25996,8	24372	24372	24372	24372	25996,8	24372	24372	24372	25996,8	24372	25996,8	24372	24372	24372	25996,8	24372	24372	25996,8

Sumber : Hasil obahan penulis, 2022

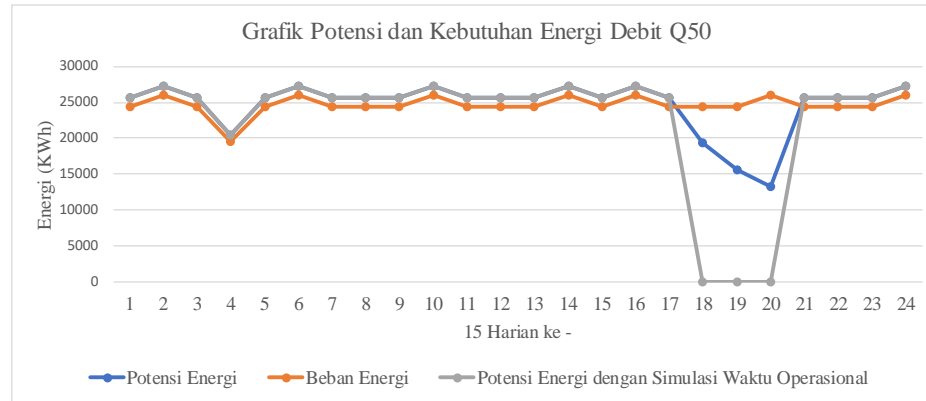
Lampiran 54. Grafik Potensi dan Kebutuhan Energi Listrik Debit Probabilitas 80% (Q80) dengan Simulasi Waktu Operasional



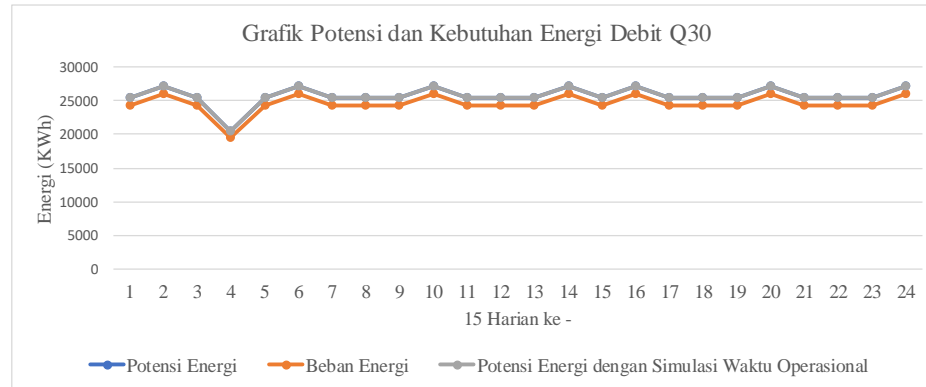
Lampiran 55. Grafik Potensi dan Kebutuhan Energi Listrik Debit Probabilitas 70% (Q70) dengan Simulasi Waktu Operasional



Lampiran 56. Grafik Potensi dan Kebutuhan Energi Listrik Debit Probabilitas 50% (Q50) dengan Simulasi Waktu Operasional



Lampiran 57. Grafik Potensi dan Kebutuhan Energi Listrik Debit Probabilitas 30% (Q30) dengan Simulasi Waktu Operasional



Lampiran 58. Tabel Rekapitulasi Perhitungan Potensi Energi Listrik (Q80) dengan Simulasi Waktu Musim

No.	Uraian	Satuan	Bulan																									
			Januari		Februari		Maret		April		Mei		Juni		Juli		Agustus		September		Oktober		November		Desember			
			I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II		
1.	Jumlah Hari	hari	15	16	15	12	15	16	15	15	15	16	15	15	15	16	15	15	16	15	15	15	15	15	15	15	16	
2.	Q80		7.413	7.690	2.943	10.002	9.136	3.367	1.267	4.257	0.834	0.661	0.520	0.508	0.357	0.266	0.213	0.170	0.136	0.109	0.111	0.124	0.124	0.324	0.315	0.319	0.301	
3.	Q80maks	persentase	0.179	0.179	0.179	0.179	0.179	0.179	0.179	0.179	0.179	0.179	0.179	0.179	0.179	0.179	0.179	0.179	0.179	0.179	0.179	0.179	0.179	0.179	0.179	0.179	0.179	
4.	Heff	m	50.44015129	50.44015	50.44015	50.44015	50.44015	50.44015	50.44015	50.44015	50.44015	50.44015	50.44015	50.44015	50.44015	50.44015	50.44015	50.44015	50.44015	50.44015	50.44015	50.44015	50.44015	50.44015	50.44015	50.44015	50.44015	
5.	Lama Operasi	Jam	360	384	360	288	360	384	360	360	360	360	360	360	360	384	360	384	360	360	360	360	360	384	360	360	384	
6.	Daya	kW	70954.14829	70954.15	70954.15	70954.15	70954.15	70954.15	70954.1483	70954.15	70954.1483	70954.15	70954.15	70954.15	70954.15	70954.15	70954.15	70954.15	70954.15	70954.15	70954.15	70954.15	70954.15	70954.15	70954.15	70954.15	70954.15	
7.	Energi	kWh	25543.49339	27246.39	25543.49	20434.79	25543.49	27246.39	25543.4934	25543.49	25543.4934	25543.49	25543.49	27246.39	25543.49	25543.49	25543.49	25543.49	25543.49	25543.49	25543.49	25543.49	25543.49	25543.49	25543.49	25543.49	25543.49	25543.49
8.	Beban Daya	kW	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	
9.	Beban Energi	kWh	24372	25996.8	24372	19497.6	24372	25996.8	24372	24372	24372	24372	25996.8	24372	24372	24372	25996.8	24372	25996.8	24372	24372	24372	24372	24372	25996.8	24372	25996.8	

Sumber : Hasil olahan penulis, 2022

Lampiran 59. Tabel Rekapitulasi Perhitungan Potensi Energi Listrik (Q70) dengan Simulasi Waktu Musim

No.	Uraian	Satuan	Bulan																								
			Januari		Februari		Maret		April		Mei		Juni		Juli		Agustus		September		Oktober		November		Desember		
			I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	
1.	Jumlah Hari	hari	15	16	15	12	15	16	15	15	15	16	15	15	15	16	15	15	16	15	15	15	15	15	15	15	16
2.	Q70		1.568	9.946	9.233	1.757	8.611	2.442	6.689	5.020	1.182	1.045	0.659	0.538	0.416	0.333	0.266	0.213	0.170	0.328	2.755	0.478	3.295	8.505	1.836	1.576	
3.	Q70maks	persentase	0.179	0.179	0.179	0.179	0.179	0.179	0.179	0.179	0.179	0.179	0.179	0.179	0.179	0.179	0.179	0.179	0.179	0.179	0.179	0.179	0.179	0.179	0.179	0.179	0.179
4.	Heff	m	50.44015129	50.44015	50.44015	50.44015	50.44015	50.44015	50.4401513	50.44015	50.44015	50.44015	50.44015	50.44015	50.44015	50.44015	50.44015	50.44015	50.44015	50.44015	50.44015	50.44015	50.44015	50.44015	50.44015	50.44015	50.44015
5.	Lama Operasi	Jam	360	384	360	288	360	384	360	360	360	384	360	360	360	384	360	384	360	360	360	360	384	360	360	384	
6.	Daya	kW	70954.14829	70954.15	70954.15	70954.15	70954.15	70954.1483	70954.15	70954.1483	70954.15	70954.15	70954.15	70954.15	70954.15	70954.15	70954.15	70954.15	70954.15	70954.15	70954.15	70954.15	70954.15	70954.15	70954.15	70954.15	
7.	Energi	kWh	25543.49339	27246.39	25543.49	20434.79	25543.49	27246.39	25543.4934	25543.49	25543.4934	25543.49	25543.49	27246.39	25543.49	25543.49	25543.49	25543.49	25543.49	25543.49	25543.49	25543.49	25543.49	25543.49	25543.49	25543.49	25543.49
8.	Beban Daya	kW	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
9.	Beban Energi	kWh	24372	25996.8	24372	19497.6	24372	25996.8	24372	24372	24372	25996.8	24372	24372	24372	25996.8	24372	25996.8	24372	24372	24372	24372	24372	24372	25996.8	24372	25996.8

Sumber : Hasil olahan penulis, 2022

Lampiran 60. Tabel Rekapitulasi Perhitungan Potensi Energi Listrik (Q50) dengan Simulasi Waktu Musim

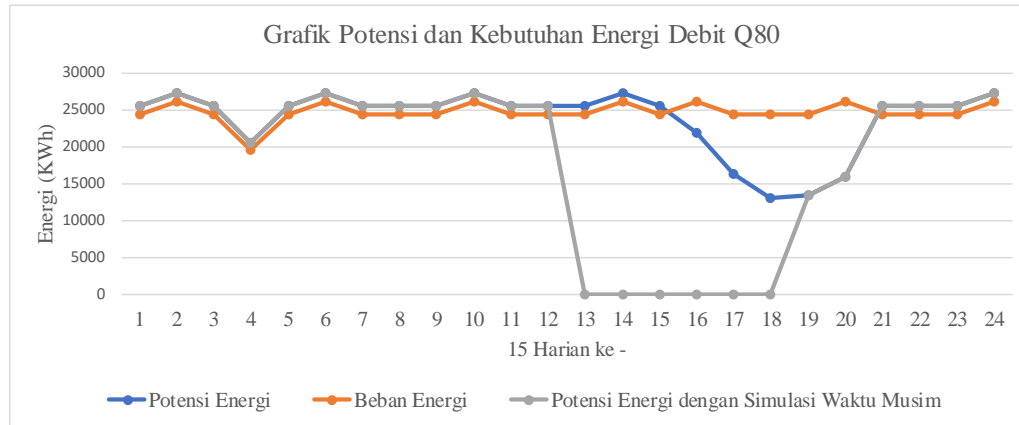
No.	Uraian	Satuan	Bulan																								
			Januari		Februari		Maret		April		Mei		Juni		Juli		Agustus		September		Oktober		November		Desember		
			I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	
1.	Jumlah Hari	hari	15	16	15	12	15	16	15	15	15	16	15	15	15	16	15	15	16	15	15	15	15	15	15	15	16
2.	Q50		2.949	9.395	9.466	9.471	7.914	14.576	4.959	2.437	1.204	0.997	0.771	0.617	0.493	0.448	0.414	0.253	0.202	0.162	0.129	0.103	0.301	0.293	1.441	5.014	
3.	Q50maks	persentase	0.179	0.179	0.179	0.179	0.179	0.179	0.179	0.179	0.179	0.179	0.179	0.179	0.179	0.179	0.179	0.179	0.179	0.179	0.179	0.179	0.179	0.179	0.179	0.179	0.179
4.	Heff	m	50.44015129	50.44015	50.44015	50.44015	50.44015	50.44015	50.4401513	50.44015	50.44015	50.44015	50.44015	50.44015	50.44015	50.44015	50.44015	50.44015	50.44015	50.44015	50.44015	50.44015	50.44015	50.44015	50.44015	50.44015	50.44015
5.	Lama Operasi	Jam	360	384	360	288	360	384	360	360	360	384	360	360	360	384	360	384	360	360	360	360	384	360	360	384	
6.	Daya	kW	70954.14829	70954.15	70954.15	70954.15	70954.15	70954.1483	70954.15	70954.1483	70954.15	70954.15	70954.15	70954.15	70954.15	70954.15	70954.15	70954.15	70954.15	70954.15	70954.15	70954.15	70954.15	70954.15	70954.15	70954.15	
7.	Energi	kWh	25543.49339	27246.39	25543.49	20434.79	25543.49	27246.39	25543.4934	25543.49	25543.4934	25543.49	25543.49	27246.39	25543.49	25543.49	25543.49	25543.49	25543.49	25543.49	25543.49	25543.49	25543.49	25543.49	25543.49	25543.49	25543.49
8.	Beban Daya	kW	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
9.	Beban Energi	kWh	24372	25996.8	24372	19497.6	24372	25996.8	24372	24372	24372	25996.8	24372	24372	24372	25996.8	24372	25996.8	24372	24372	24372	24372	24372	24372	25996.8	24372	25996.8

Sumber : Hasil olahan penulis, 2022

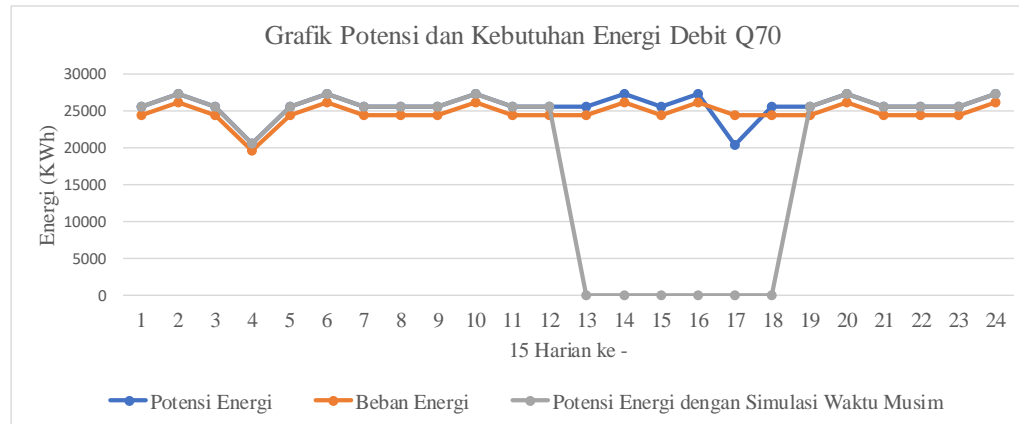
Lampiran 61. Tabel Rekapitulasi Perhitungan Potensi Energi Listrik (Q30) dengan Simulasi Waktu Musim

No.	Uraian	Satuan	Bulan																								
			Januari		Februari		Maret		April		Mei		Juni		Juli		Agustus		September		Oktober		November		Desember		
			I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	
1.	Jumlah Hari	hari	15	16	15	12	15	16	15	15	15	16	15	15	15	16	15	15	16	15	15	15	15	15	15	15	16
2.	Q30		0.478	0.588	8.900	9.050	1.122	1.035	0.740	0.663	0.424	0.531	0.511	1.809	0.335	0.566	0.569	0.268	0.258	0.268	0.395	4.814	0.549	2.697	4.790	1.837	
3.	Q30maks	persentase	0.179	0.179	0.179	0.179	0.179	0.179	0.179	0.179	0.179	0.179	0.179	0.179	0.179	0.179	0.179	0.179	0.179	0.179	0.179	0.179	0.179	0.179	0.179	0.179	
4.	Heff	m	50.44015129	50.44015	50.44015	50.44015	50.44015	50.44015	50.4401513	50.44015	50.44015	50.44015	50.44015	50.44015	50.44015	50.44015	50.44015	50.44015	50.44015	50.44015	50.44015	50.44015	50.44015	50.44015	50.44015	50.44015	
5.	Lama Operasi	Jam	360	384	360	288	360	384	360	360	360	384	360	360	360	384	360	384	360	360	360	360	384	360	360	384	
6.	Daya	kW	70954.14829	70954.15	70954.15	70954.15	70954.15	70954.1483	70954.15	70954.1483	70954.15	70954.15	70954.15	70954.15	70954.15	70954.15	70954.15	70954.15	70954.15	70954.15	70954.15	70954.15	70954.15	70954.15	70954.15		
7.	Energi	kWh	25543.49339	27246.39	25543.49	204																					

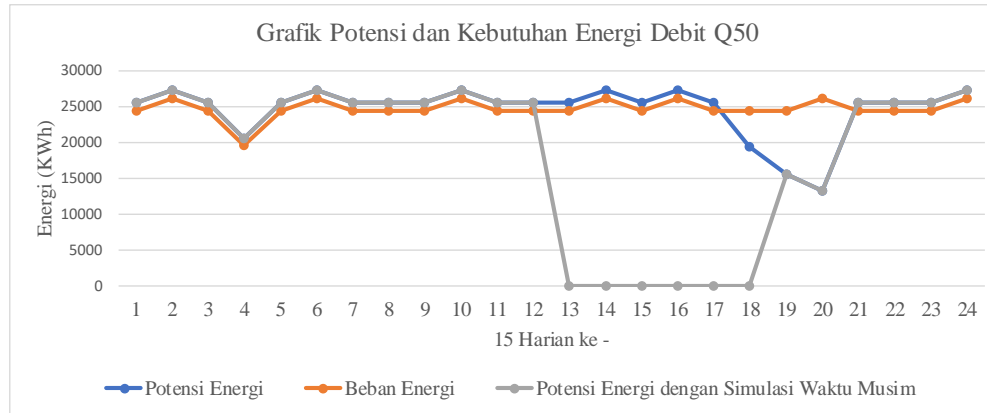
Lampiran 62. Grafik Potensi dan Kebutuhan Energi Listrik Debit Probabilitas 80% (Q80) dengan Simulasi Waktu Musim



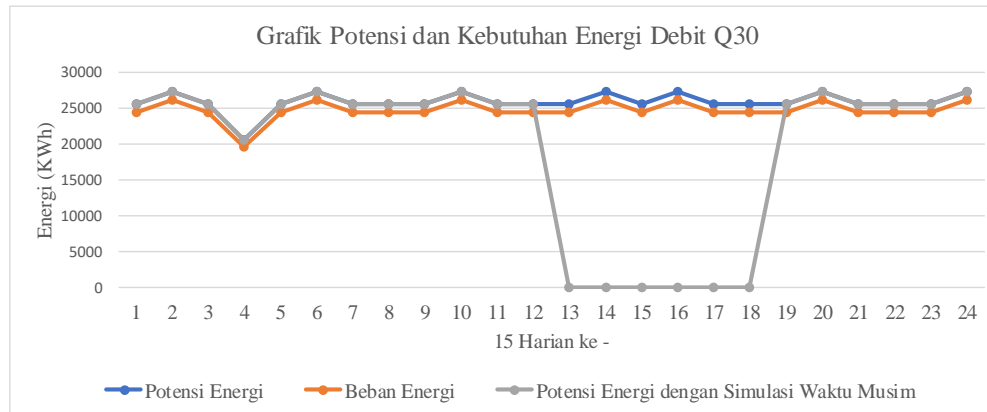
Lampiran 63. Grafik Potensi dan Kebutuhan Energi Listrik Debit Probabilitas 70% (Q70) dengan Simulasi Waktu Musim



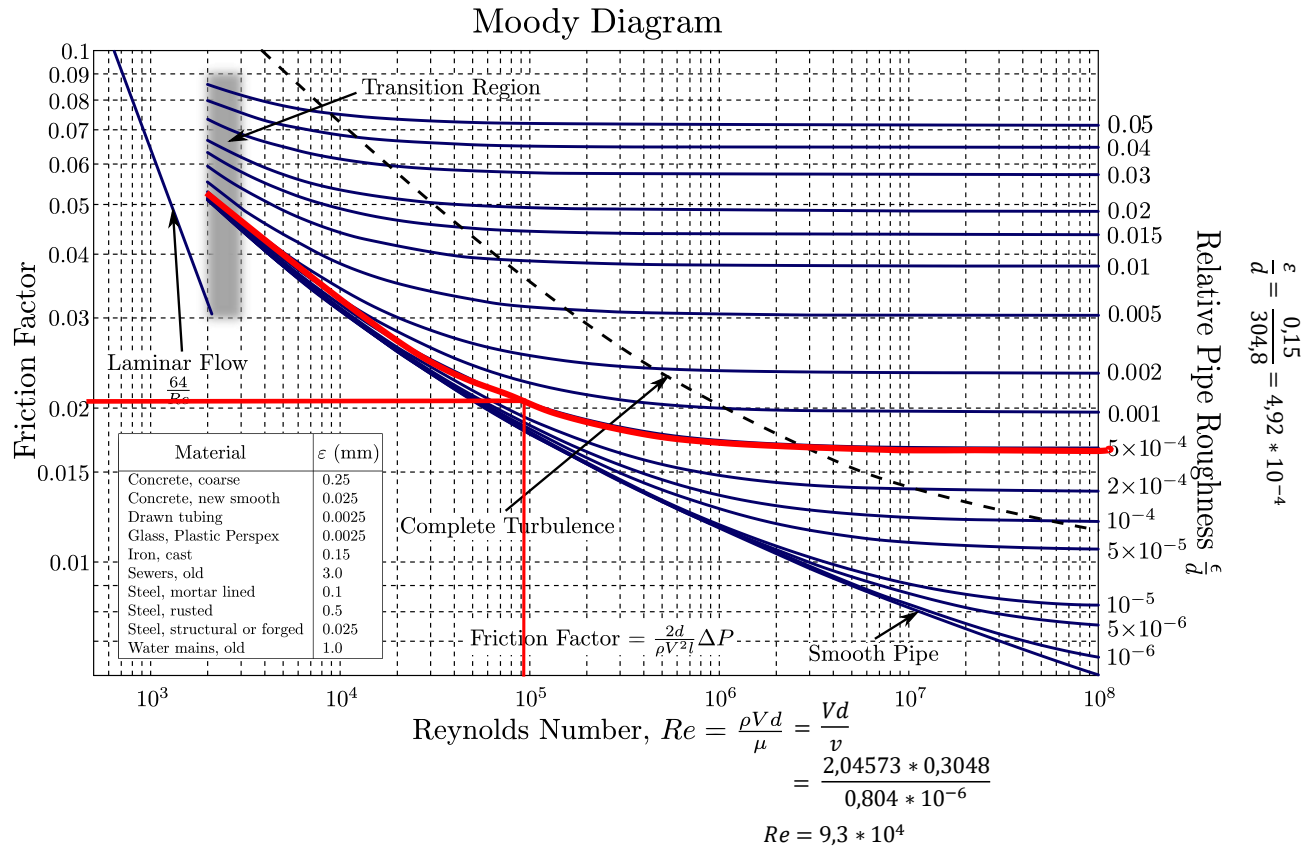
Lampiran 64. Grafik Potensi dan Kebutuhan Energi Listrik Debit Probabilitas 50% (Q50) dengan Simulasi Waktu Musim



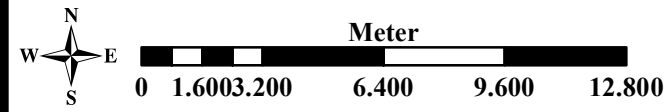
Lampiran 65. Grafik Potensi dan Kebutuhan Energi Listrik Debit Probabilitas 30% (Q30) dengan Simulasi Waktu Musim



Lampiran 66. Perhitungan Diagram Moody








**PETA LOKASI SEBARAN STASIUN HUJAN
UNTUK PENELITIAN
TAHUN 2022**

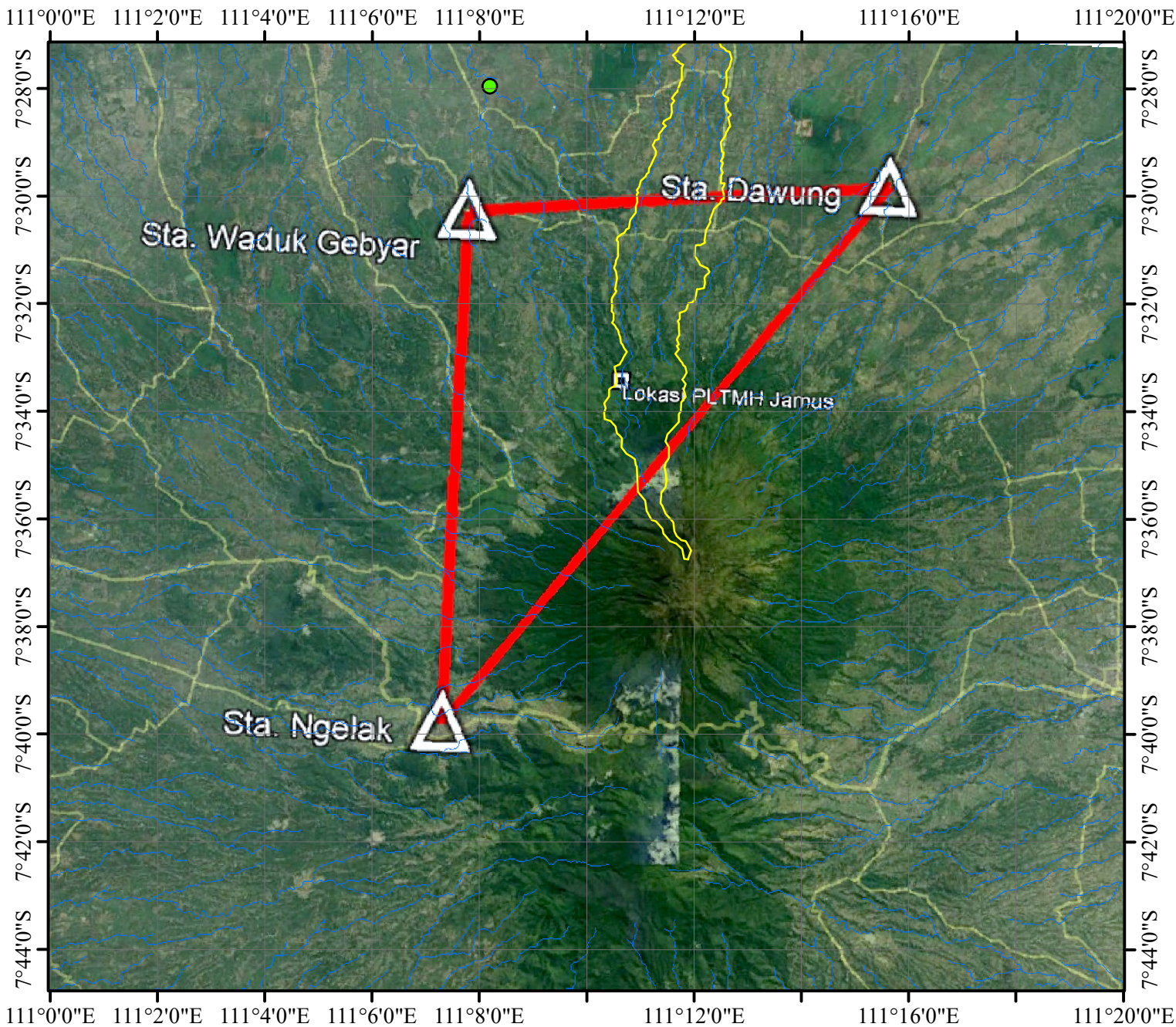
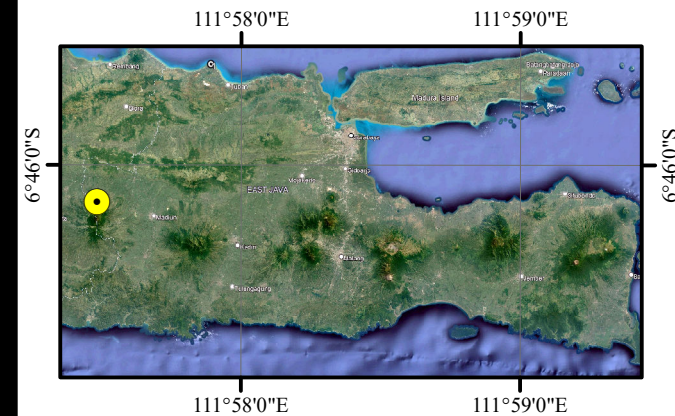


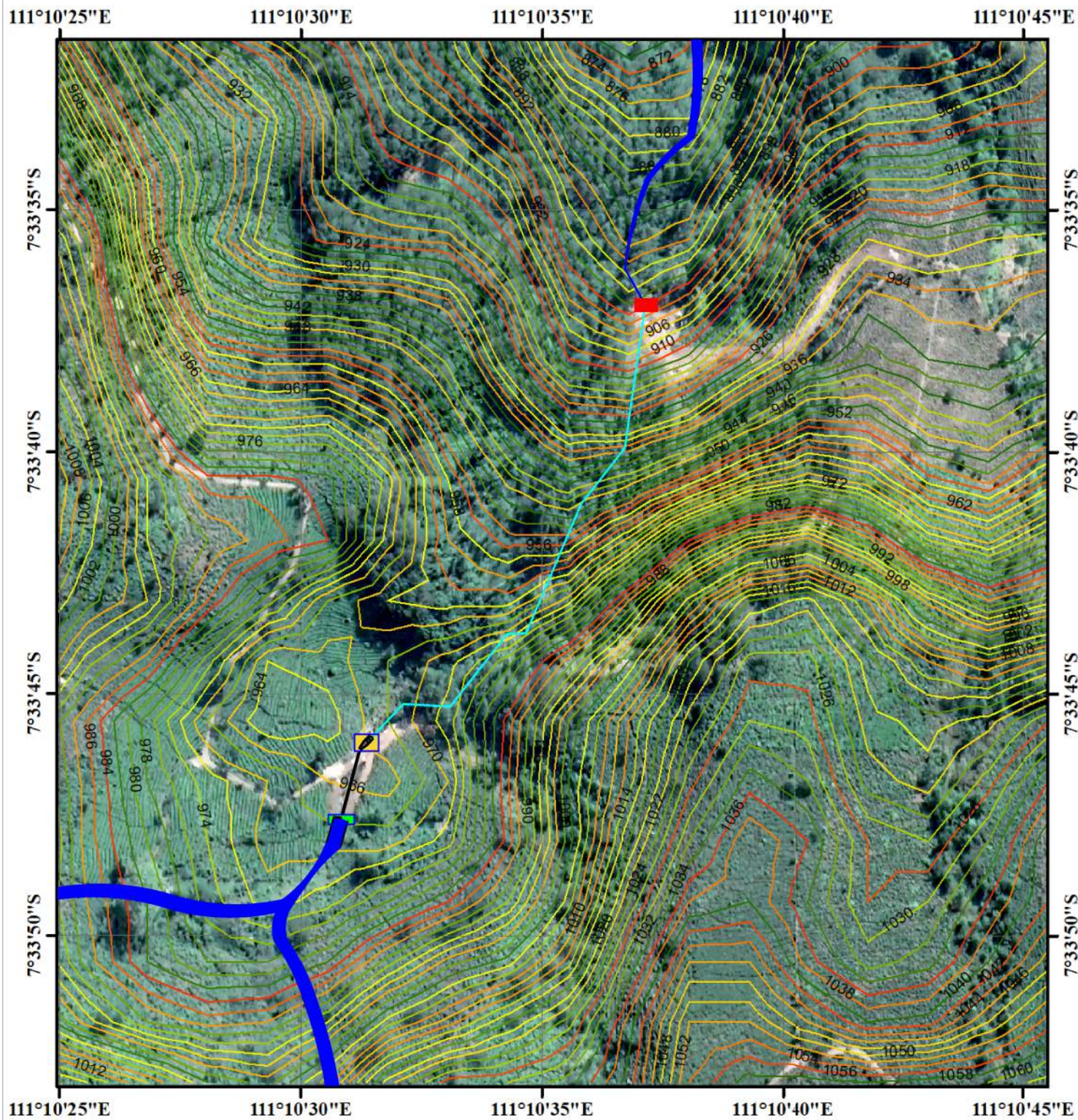
Skala 1 : 20.000
Untuk Kertas Ukuran A4

Legenda :

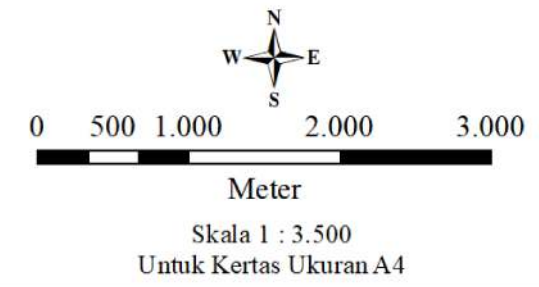
-  Lokasi Stasiun Hujan
-  Lokasi Penelitian (PLTMH Jamus)
-  Garis Penghubung Polygon
-  Daerah Aliran Sungai Berpengaruh
-  Aliran Sungai

**Inset Peta
Skala 1 : 50.000**




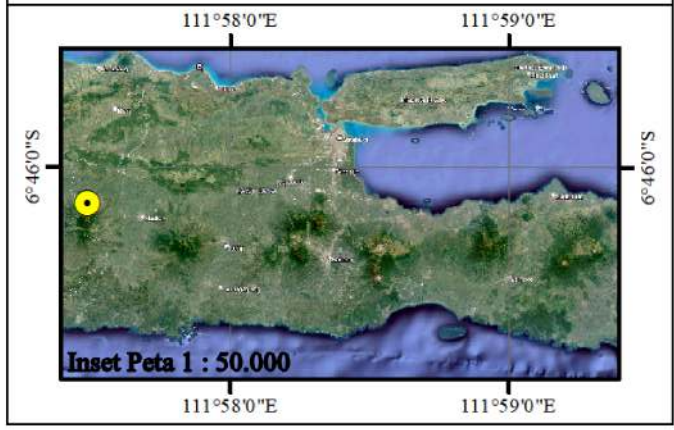


**PETA LOKASI PENELITIAN
JAMUS DESA GIRIKERTO KECAMATAN SINE
KABUPATEN NGAWI
PROVINSI JAWA TIMUR
TAHUN 2022**



Legenda :

-  **Aliran Sungai**
-  **Bangunan Bendung (80,64 m²)**
-  **Bangunan Forebay (29,6 m²)**
-  **Pipa Pesat (356 m²)**
-  **Power House (172,65 m²)**





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Dr. Andi Patriadi, S.T., M.T.

NAMA MAHASISWA

Muhammad Khoirur Rifqi - 1431800096

JUDUL GAMBAR

SKALA

LAYOUT PLTMH JAMUS

1 : 215

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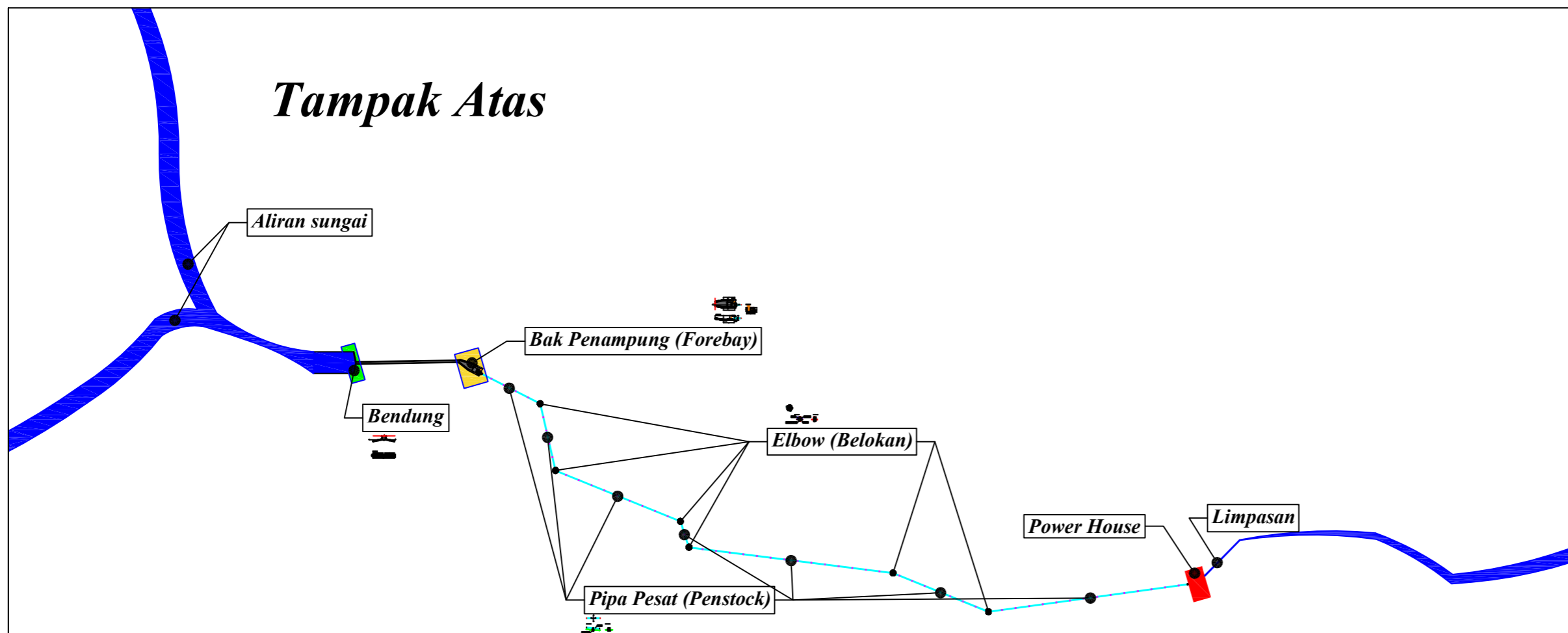
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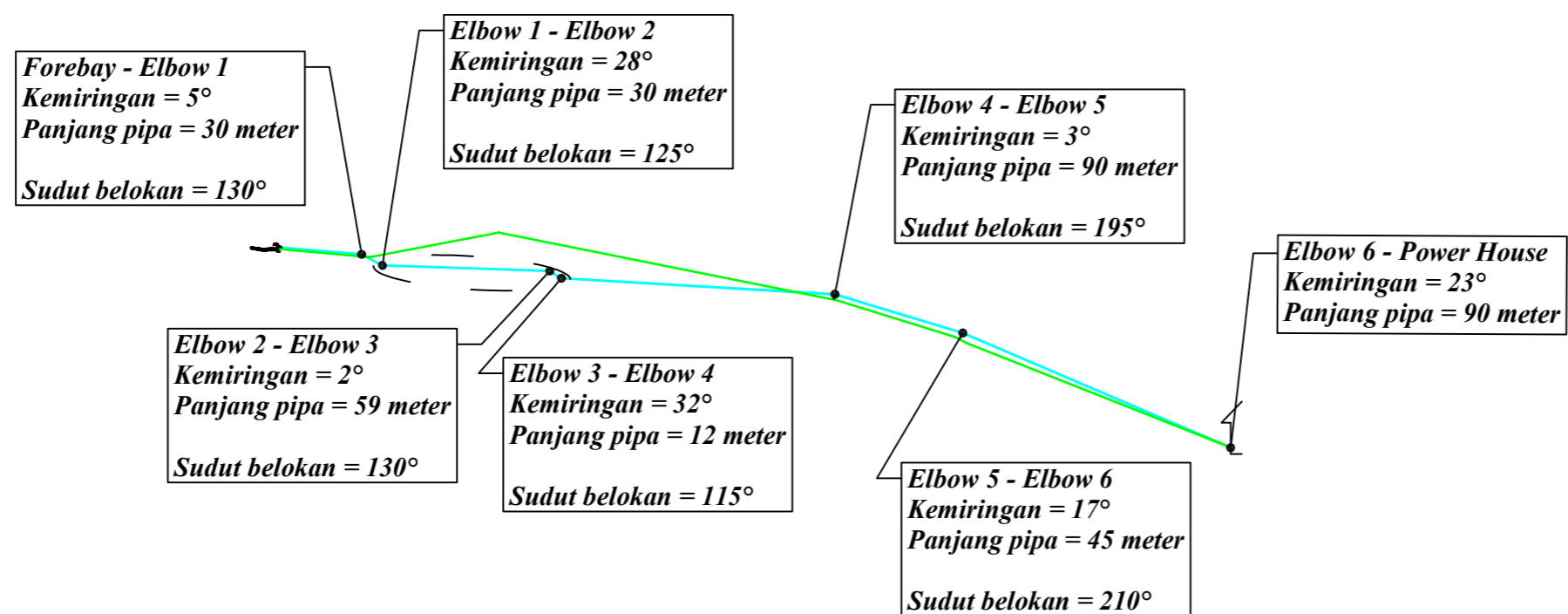
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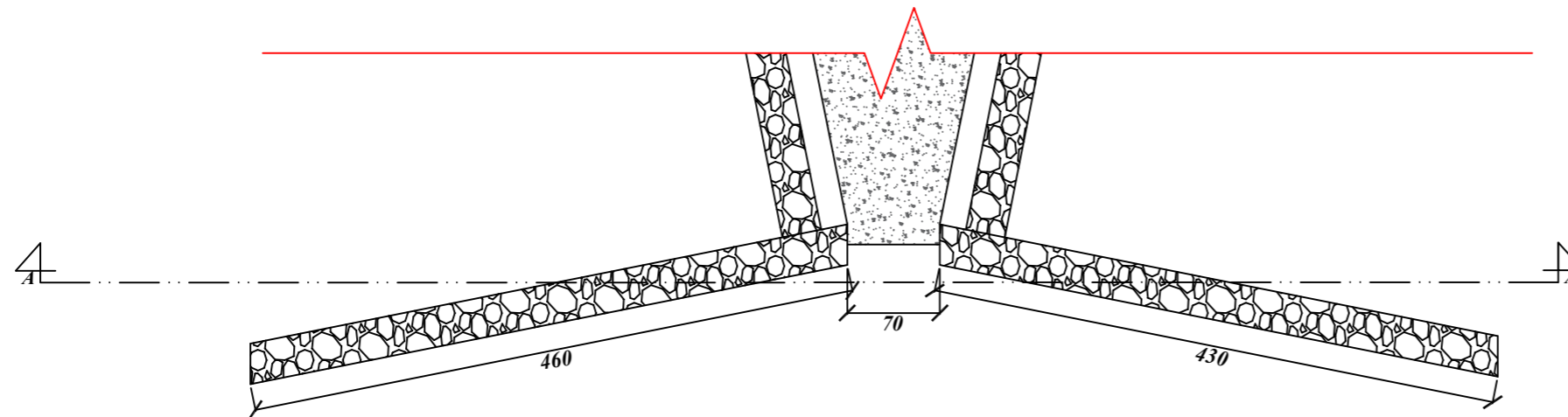
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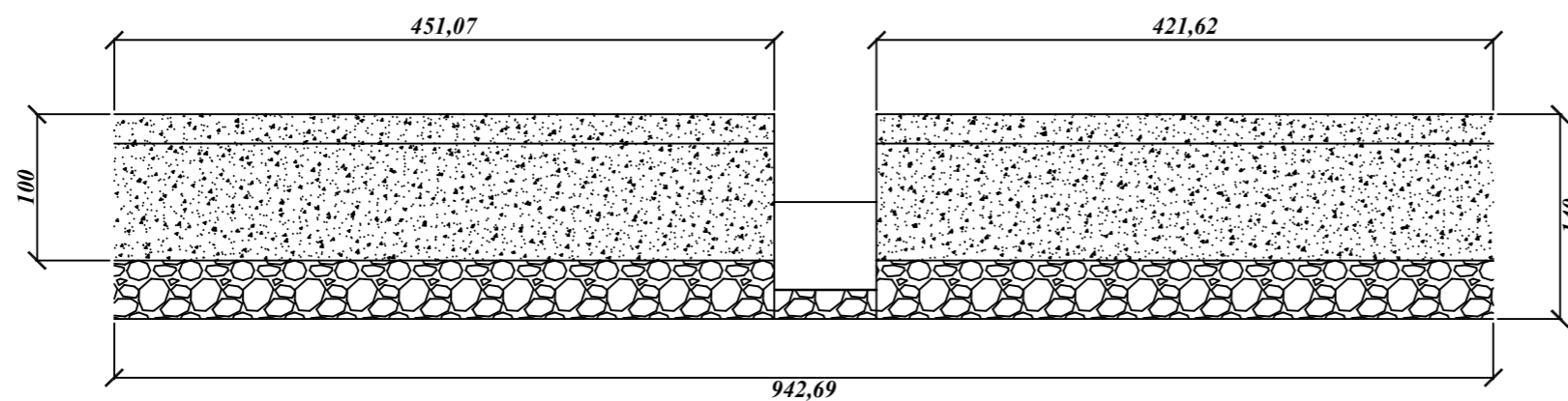
Tampak Samping



Bendung



Potongan A-A



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SKALA

BENDUNG

1 : 5

CATATAN

NO. GAMBAR

JML. GAMBAR

2

5



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SKALA

BAK PENENANG

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CATATAN

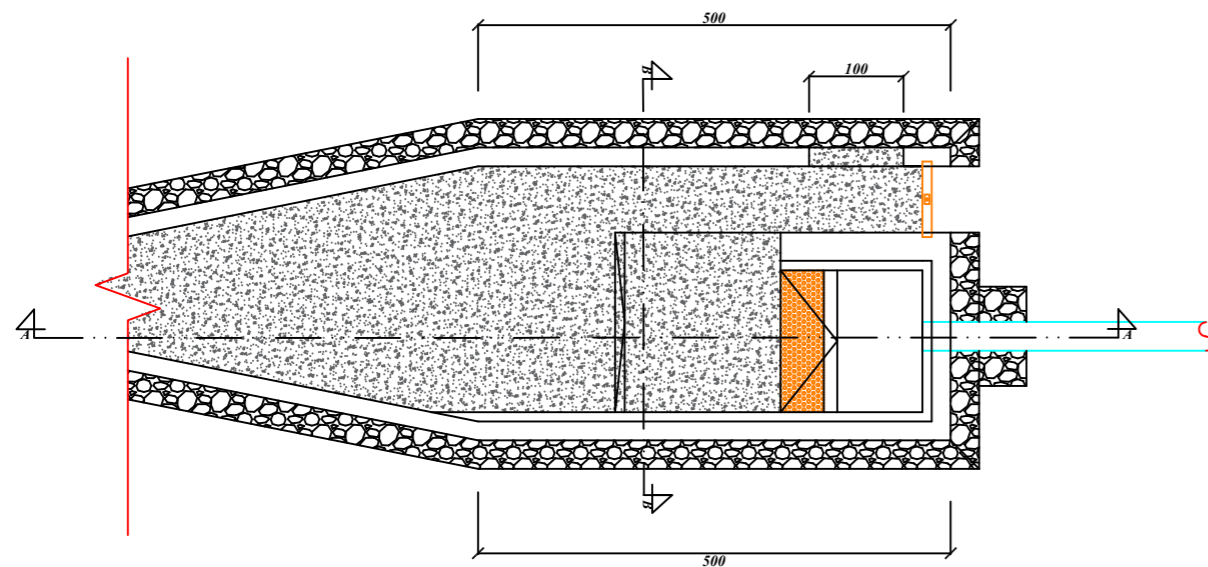
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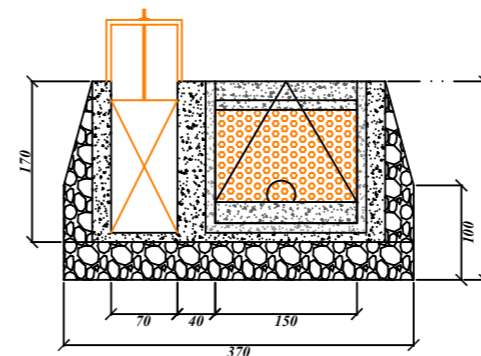
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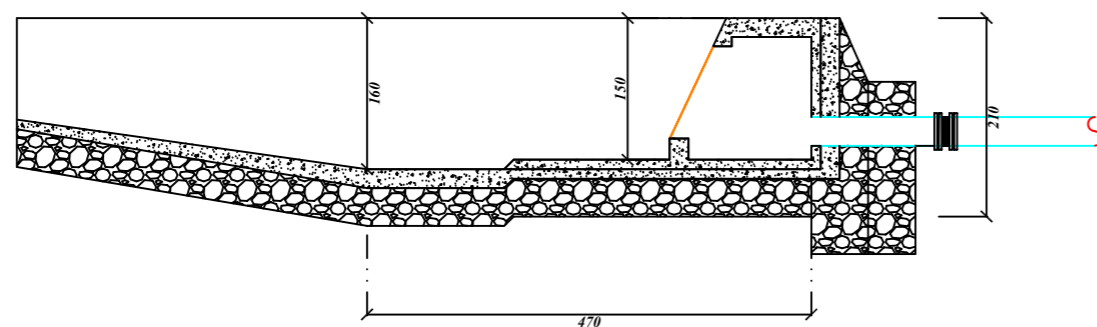
Bak Penenang



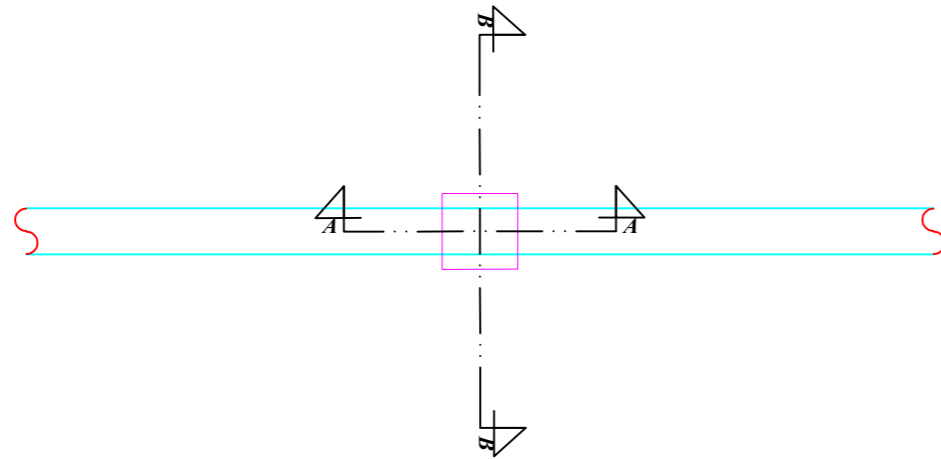
Potongan B-B



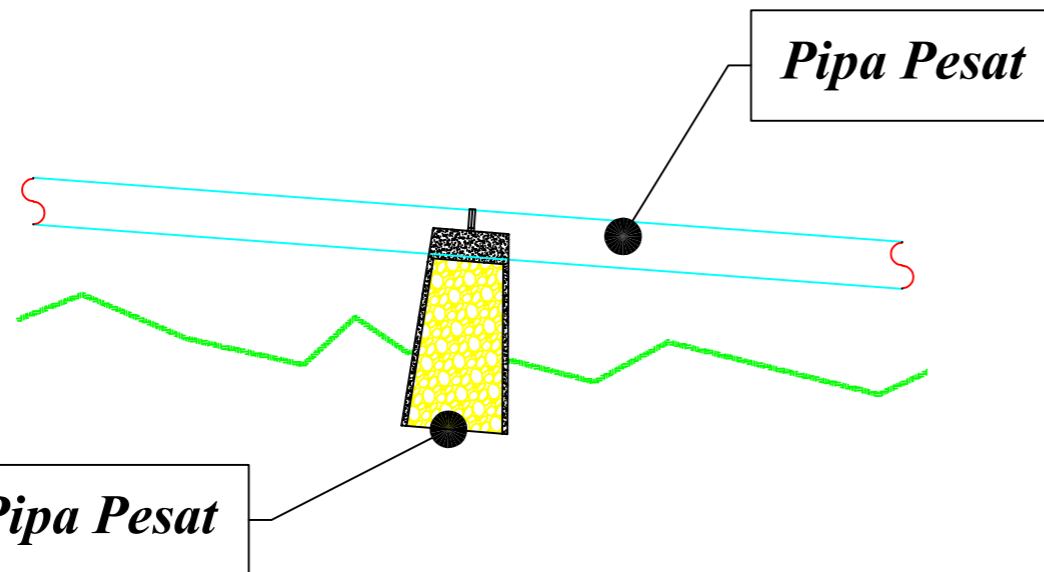
Potongan A-A



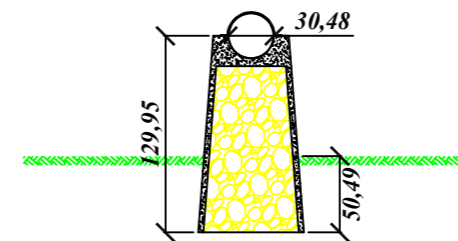
Dudukan Pipa Pesat



Potongan A-A



Potongan B-B



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JUDUL GAMBAR

SKALA

DUDUKAN PIPA PESAT

1 : 5

CATATAN

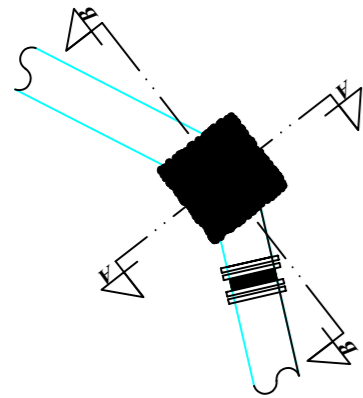
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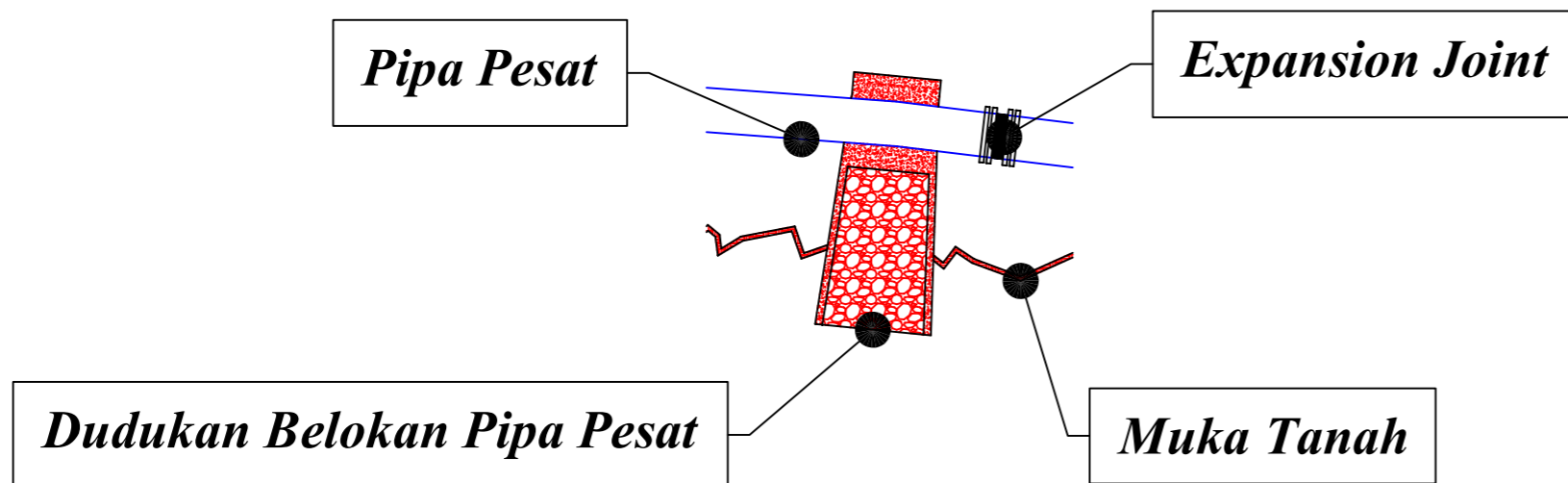
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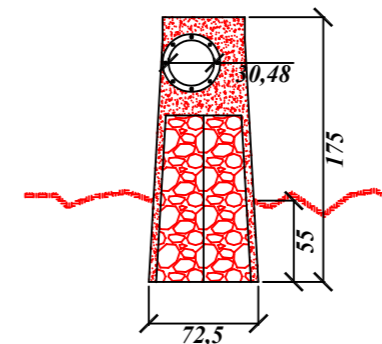
Belokan Pipa Pesat



Potongan A-A



Potongan B-B



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JUDUL GAMBAR

SKALA

BELOKAN PIPA PESAT

1 : 5

CATATAN

NO. GAMBAR

JML. GAMBAR

5

5