

Lampiran 1. Data Charging 600 mLPM

No.Data	Waktu	CH1	CH2	CH3	CH4	CH5	CH6	CH7	CH8	CH9	CH10
0	0:00:00	30.6	30.5	30.5	30.5	30.5	30.4	30.5	30.6	30.5	30.4
1	0:00:05	30.6	30.5	30.5	30.5	30.5	30.4	30.5	30.6	30.5	30.4
2	0:00:10	30.6	30.5	30.5	30.5	30.5	30.4	30.5	30.7	30.4	30.3
3	0:00:15	30.6	30.5	30.5	30.5	30.5	30.4	30.5	30.6	30.5	30.3
4	0:00:20	30.6	30.5	30.5	30.5	30.5	30.4	30.5	30.7	30.4	30.4
5	0:00:25	30.6	30.5	30.5	30.5	30.5	30.4	30.5	30.7	30.5	30.4
6	0:00:30	30.6	30.5	30.6	30.5	30.5	30.5	30.5	30.7	30.5	30.4
7	0:00:35	30.6	30.5	30.7	30.5	30.5	30.5	30.5	30.8	30.5	30.4
8	0:00:40	30.6	30.5	30.9	30.5	30.6	30.4	30.5	30.9	30.5	30.4
9	0:00:45	30.6	30.5	31	30.4	30.7	30.5	30.5	31	30.5	30.4
10	0:00:50	30.7	30.5	31	30.5	30.7	30.4	30.5	31	30.5	30.5
11	0:00:55	30.7	30.5	31.1	30.5	30.9	30.4	30.5	31	30.5	30.6
12	0:01:00	30.7	30.5	31.4	30.5	30.9	30.5	30.5	31.1	30.5	30.6
13	0:01:05	30.7	30.5	31.2	30.5	31	30.5	30.5	31.3	30.5	30.7
14	0:01:10	30.8	30.5	31.2	30.5	31.2	30.5	30.5	31.1	30.5	30.8
15	0:01:15	30.8	30.6	31	30.5	31.2	30.5	30.6	31.3	30.5	30.8
1940	2:41:40	65.5	65.9	65.9	66.2	66.2	66	65.4	65.6	66.7	66.4
1941	2:41:45	65.5	65.9	66.3	66.2	66.3	66	65.4	65.8	66.7	66.5
1942	2:41:50	65.5	65.9	66.1	66.2	66.4	66	65.4	65.6	66.7	66.6
1943	2:41:55	65.5	65.9	65.9	66.2	66.2	66	65.4	66.3	66.7	66.5
1944	2:42:00	65.5	65.9	66	66.2	66.5	66	65.4	65.9	66.7	66.6
1945	2:42:05	65.5	65.9	65.9	66.2	66.3	66	65.4	65.8	66.7	66.8
1946	2:42:10	65.5	65.9	66.2	66.2	66.2	66	65.4	65.6	66.7	66.7
1947	2:42:15	65.5	65.9	66.5	66.2	66.4	66	65.5	66.2	66.7	66.6
1948	2:42:20	65.6	65.9	65.9	66.2	66.3	66	65.5	66.2	66.7	66.6
1949	2:42:25	65.6	65.9	66.1	66.2	66.5	66	65.5	66	66.7	66.9
1950	2:42:30	65.6	65.9	66.1	66.2	66.4	66	65.5	65.8	66.7	66.8
1951	2:42:35	65.6	65.9	66.2	66.3	66.5	66	65.5	65.9	66.7	66.8
1952	2:42:40	65.6	65.9	66.1	66.3	66.7	66	65.5	66.2	66.7	66.8
1953	2:42:45	65.6	65.9	66	66.3	66.2	66	65.5	65.9	66.7	66.6
1954	2:42:50	65.6	65.9	65.9	66.3	66.4	66.1	65.6	66	66.7	66.7

No.Data	Waktu	CH11	CH12	CH13	CH14	CH15	CH16	CH17	CH18	CH19	CH20
0	0:00:00	30.3	30.3	30.6	30.8	30.7	30.6	30.7	30.7	30.6	30.7
1	0:00:05	30.3	30.3	30.6	30.8	30.7	30.6	30.7	30.7	30.6	30.7
2	0:00:10	30.3	30.4	30.6	30.8	30.7	30.6	30.7	30.7	30.6	30.7
3	0:00:15	30.3	30.4	30.6	30.8	30.7	30.6	30.7	30.7	30.6	30.8
4	0:00:20	30.3	30.4	30.6	30.8	30.8	30.6	30.7	30.7	30.6	30.7
5	0:00:25	30.4	30.4	30.7	30.9	30.9	30.7	30.7	30.7	30.6	30.7
6	0:00:30	30.4	30.4	30.7	31	31.1	30.7	31	30.7	30.6	30.7
7	0:00:35	30.4	30.4	30.7	31.1	31.2	30.8	31.1	30.7	30.6	30.8
8	0:00:40	30.3	30.4	30.6	31.2	31.2	30.7	31.1	30.7	30.7	31
9	0:00:45	30.3	30.4	30.6	31.1	31.5	30.7	31.1	30.8	30.6	31
10	0:00:50	30.3	30.4	30.6	31.6	31.5	30.8	31.2	30.8	30.7	31
11	0:00:55	30.4	30.4	30.6	31.7	31.8	30.7	31.1	31	30.7	31.2
12	0:01:00	30.4	30.5	30.7	31.4	31.4	30.7	31.6	30.9	30.8	31.4
13	0:01:05	30.4	30.5	30.7	31.6	31.7	30.6	31.7	30.7	30.7	31.4
14	0:01:10	30.4	30.5	30.7	31.8	31.8	31.1	31.1	30.7	31	31.3
15	0:01:15	30.4	30.6	30.7	31.7	31.4	30.6	31.3	30.7	31	31.4
1940	2:41:40	66.5	66.7	65.9	67.1	67.4	67	66.6	66.9	66.6	66.9
1941	2:41:45	66.5	66.7	65.9	67	66.9	66.7	67	66.9	66.7	66.9
1942	2:41:50	66.5	66.7	65.9	67.1	66.8	66.5	67	67	66.8	67.1
1943	2:41:55	66.5	66.7	65.9	67.1	67.6	67.1	66.8	67	66.9	67.1
1944	2:42:00	66.5	66.7	66	67.3	67	66.7	67	67.2	66.7	67.1
1945	2:42:05	66.5	66.7	66	67.1	66.8	66.5	66.8	67	66.7	67.3
1946	2:42:10	66.6	66.7	66	66.9	66.9	66.7	67.1	67	66.8	67
1947	2:42:15	66.5	66.7	66	67.4	67.7	66.6	67.3	67	66.7	67
1948	2:42:20	66.5	66.7	66	67.8	67.8	66.8	66.9	67	66.8	67.2
1949	2:42:25	66.6	66.8	66	67.4	66.9	66.7	67.3	67.2	66.9	67.4
1950	2:42:30	66.6	66.8	66	67.7	67.6	66.8	66.9	67.1	66.8	67.3
1951	2:42:35	66.6	66.8	66.1	67.3	67	67.1	67.4	67.8	66.7	67.1
1952	2:42:40	66.6	66.8	66.1	67.4	67	66.7	67.5	67.3	66.9	67.3
1953	2:42:45	66.6	66.8	66.1	67.7	67.2	66.5	66.8	67	66.8	67.1
1954	2:42:50	66.6	66.8	66.1	67.4	67.1	66.6	67.3	67.6	66.6	67.1

No.Data	Waktu	CH21	CH22	CH23	CH24	CH25	CH26	CH27	CH28	CH29	CH30
0	0:00:00	30.8	30.7	30.7	30.8	29.4	29.6	29.6	29.8	29.8	30.7
1	0:00:05	30.8	30.7	30.7	30.8	29.5	29.6	29.6	29.8	29.9	31.5
2	0:00:10	30.8	30.7	30.7	30.8	29.4	29.6	29.6	29.8	29.8	32.8
3	0:00:15	30.8	30.7	30.7	30.8	29.5	29.6	29.6	29.8	29.8	33.4
4	0:00:20	30.8	30.7	30.7	30.8	29.5	29.6	29.6	29.8	29.8	33.8
5	0:00:25	30.8	30.7	30.7	30.8	29.5	29.6	29.7	29.9	29.9	34.4
6	0:00:30	30.8	30.7	30.7	30.8	29.5	29.6	29.7	29.9	30	35
7	0:00:35	30.8	30.7	30.7	30.8	29.5	29.6	29.7	29.9	29.9	35.7
8	0:00:40	30.8	30.7	30.7	30.8	29.5	29.6	29.7	29.9	29.9	36
9	0:00:45	30.8	30.7	30.7	30.8	29.5	29.6	29.7	29.9	29.9	36.3
10	0:00:50	30.8	30.7	30.7	30.8	29.5	29.6	29.7	30	29.9	36.6
11	0:00:55	30.8	30.7	30.7	30.8	29.5	29.6	29.6	30	29.9	37
12	0:01:00	30.8	30.7	30.7	30.8	29.5	29.6	29.6	30.1	29.9	37.5
13	0:01:05	30.8	30.8	30.7	30.8	29.5	29.6	29.6	30.2	29.9	37.9
14	0:01:10	30.8	30.8	30.7	30.8	29.5	29.6	29.6	30.3	29.9	38.4
15	0:01:15	30.8	30.7	30.7	30.8	29.5	29.6	29.6	30.4	29.9	38.7
1940	2:41:40	66.5	66.6	66	66.8	64.5	64.9	61.8	65.3	61.5	95.7
1941	2:41:45	66.6	66.6	66	66.7	64.4	64.9	61.8	65.2	61.4	95.7
1942	2:41:50	66.6	66.5	66.1	66.7	64.4	64.9	61.8	65.2	61.3	95.9
1943	2:41:55	66.6	66.6	66.1	66.7	64.4	64.9	61.8	65.2	61.3	96.1
1944	2:42:00	66.6	66.6	66.1	66.7	64.4	64.9	61.8	65.3	61.4	96
1945	2:42:05	66.6	66.6	66.1	66.7	64.4	64.9	61.8	65.3	61.4	96.2
1946	2:42:10	66.6	66.6	66.1	66.8	64.5	64.9	61.8	65.3	61.4	96.2
1947	2:42:15	66.6	66.6	66.1	66.8	64.5	65	61.8	65.4	61.5	96.4
1948	2:42:20	66.6	66.6	66.2	66.8	64.6	65	61.8	65.4	61.5	96.3
1949	2:42:25	66.6	66.7	66.2	66.8	64.6	65	61.8	65.4	61.5	96.2
1950	2:42:30	66.6	66.6	66.2	66.8	64.6	65	61.8	65.5	61.5	96.4
1951	2:42:35	66.7	66.6	66.2	66.8	64.6	65	61.8	65.6	61.4	96.5
1952	2:42:40	66.6	66.7	66.2	66.8	64.5	65	61.8	65.4	61.4	96.1
1953	2:42:45	66.7	66.6	66.2	66.8	64.6	65	61.8	65.5	61.4	96.4
1954	2:42:50	66.6	66.6	66.2	66.8	64.6	65	61.8	65.5	61.4	96.4

Lampiran 2. Data Charging 700 mLPM

No Data	Waktu	CH1	CH2	CH3	CH4	CH5	CH6	CH7	CH8	CH9	CH10
0	0:00:00	28.7	28.7	28.7	28.8	28.7	29	28.5	28.6	29.2	29.1
1	0:00:05	28.7	28.7	28.7	28.8	28.7	29	28.5	28.6	29.2	29.1
2	0:00:10	28.7	28.7	28.7	28.8	28.7	29	28.5	28.6	29.2	29.1
3	0:00:15	29.2	29.1	29.1	29.2	29.1	29.4	28.9	29.1	29.2	29.1
4	0:00:20	29.2	29.1	29.1	29.2	29.1	29.4	28.9	29.1	29.2	29.1
5	0:00:25	29.3	29.2	29.4	29.3	29.2	29.5	29	29.3	29.2	29.1
6	0:00:30	29.3	29.2	29.5	29.3	29.3	29.5	29	29.4	29.1	29.1
7	0:00:35	29.3	29.2	29.6	29.3	29.4	29.5	29	29.7	29.2	29.1
8	0:00:40	29.2	29.1	29.6	29.2	29.4	29.4	28.9	29.5	29.1	29.2
9	0:00:45	29.2	29.1	29.8	29.2	29.5	29.4	28.9	29.6	29.1	29.2
10	0:00:50	29.2	29.2	29.7	29.2	29.5	29.4	29	29.6	29.2	29.3
11	0:00:55	29.3	29.3	30	29.3	29.7	29.5	29.1	29.8	29.1	29.4
12	0:01:00	29.3	29.3	29.9	29.3	29.9	29.5	29.1	29.8	29.1	29.5
13	0:01:05	29.4	29.3	30	29.3	29.9	29.5	29.1	29.7	29.1	29.4
14	0:01:10	29.4	29.3	30.3	29.3	30	29.5	29.1	29.8	29.1	29.6
15	0:01:15	29.4	29.3	30.3	29.3	30.1	29.5	29.1	30	29.2	29.7
2153	2:59:25	69.4	69.4	70.4	70.2	70.3	69.5	69	69.4	70.3	70.3
2154	2:59:30	69.4	69.5	70.5	70.2	70	69.5	69.1	69.6	70.3	70.3
2155	2:59:35	69.5	69.5	70.3	70.2	70.6	69.5	69.1	70	70.3	70.6
2156	2:59:40	69.5	69.5	70.2	70.2	70.5	69.6	69.1	69.7	70.4	70.5
2157	2:59:45	69.5	69.5	70.3	70.2	70.5	69.5	69.1	69.4	70.4	70.3
2158	2:59:50	69.5	69.5	70.5	70.3	70.8	69.5	69.1	69.8	70.4	71
2159	2:59:55	69.5	69.5	70.7	70.3	70.4	69.5	69.1	70	70.4	70.5
2160	3:00:00	69.6	69.5	69.8	70.3	70.8	69.5	69.1	69.6	70.4	70.5
2161	3:00:05	69.6	69.6	70.2	70.3	70.7	69.5	69.1	70.2	70.4	70.9
2162	3:00:10	69.6	69.6	69.9	70.3	70.3	69.5	69.2	70	70.4	70.4
2163	3:00:15	69.6	69.6	70.4	70.3	70.7	69.6	69.2	70	70.5	70.8
2164	3:00:20	69.6	69.6	70.1	70.4	70.5	69.6	69.2	70.5	70.5	70.8
2165	3:00:25	69.7	69.7	70.4	70.4	70.9	69.6	69.2	69.7	70.5	70.7
2166	3:00:30	69.7	69.7	69.9	70.4	70.8	69.6	69.2	69.9	70.5	70.6
2167	3:00:35	69.7	69.7	70.4	70.4	70.8	69.6	69.3	69.9	70.5	70.9

No Data	Waktu	CH11	CH12	CH13	CH14	CH15	CH16	CH17	CH18	CH19	CH20
0	0:00:00	29.4	29.4	29.2	29	29.1	29	29.3	29.4	29.6	29.7
1	0:00:05	29.4	29.4	29.2	29.1	29	29	29.3	29.3	29.6	29.7
2	0:00:10	29.4	29.4	29.2	29.1	29.1	29	29.3	29.3	29.6	29.7
3	0:00:15	29.4	29.4	29.2	29.1	29.3	29	29.3	29.4	29.6	29.7
4	0:00:20	29.3	29.3	29.2	29.4	29.5	29.1	29.3	29.3	29.6	29.7
5	0:00:25	29.3	29.3	29.2	29.4	29.7	29.5	29.7	29.3	29.6	29.7
6	0:00:30	29.3	29.3	29.2	29.4	29.9	29.1	29.7	29.5	29.6	29.7
7	0:00:35	29.3	29.4	29.2	29.5	30.1	29.3	30.1	29.7	29.6	29.7
8	0:00:40	29.3	29.3	29.2	29.6	29.4	29	30.1	29.4	29.6	29.7
9	0:00:45	29.3	29.4	29.2	29.7	29.9	29.1	30.1	29.7	29.6	29.8
10	0:00:50	29.3	29.4	29.2	29.6	30.1	29.4	29.9	29.6	29.6	30.3
11	0:00:55	29.3	29.4	29.2	29.8	30.4	29.6	30.3	29.5	29.7	30.1
12	0:01:00	29.3	29.4	29.2	29.9	30.4	29.1	30.3	29.5	29.8	30.2
13	0:01:05	29.4	29.4	29.2	30.7	29.7	29.6	30.2	29.8	29.7	30.4
14	0:01:10	29.4	29.4	29.2	30.1	30.2	29.1	29.9	29.4	29.8	30.2
15	0:01:15	29.4	29.5	29.2	29.9	30	29.1	30.1	29.8	29.6	30.1
2153	2:59:25	70	70.4	69.5	71.8	71.4	70.4	71.1	70.7	70.7	71.4
2154	2:59:30	70	70.5	69.5	73.3	72.8	70.9	70.3	70.4	70.5	71
2155	2:59:35	70.1	70.5	69.5	71.6	71.3	69.9	71.2	70.7	70.5	71.8
2156	2:59:40	70.1	70.5	69.5	72.1	70.3	70.1	70.7	70.5	70.6	71.4
2157	2:59:45	70.1	70.5	69.6	71.3	71.7	70	71.2	70.3	70.9	71.5
2158	2:59:50	70.1	70.6	69.6	72.2	71.6	70	71.4	71	70.8	71.9
2159	2:59:55	70.1	70.6	69.6	72.4	72.3	70.4	71.6	70.6	70.6	71.2
2160	3:00:00	70.1	70.6	69.6	72.2	71.4	70.2	70.8	70.8	70.9	71.8
2161	3:00:05	70.1	70.6	69.6	72	70.7	70	70.8	70.4	71	71.8
2162	3:00:10	70.2	70.6	69.6	71.9	71.1	71.3	70.9	70.2	70.6	71.2
2163	3:00:15	70.2	70.6	69.6	72.3	71.8	70	71.3	70.5	70.5	71.2
2164	3:00:20	70.2	70.6	69.7	72.3	72.2	70	70.7	70.6	71.1	71.6
2165	3:00:25	70.2	70.7	69.7	73.3	72.1	70.6	71.2	70.8	70.5	71.8
2166	3:00:30	70.2	70.8	69.7	72.7	72.3	70	71.2	70.3	70.5	71.6
2167	3:00:35	70.3	70.7	69.7	72.7	73	71.2	71.2	71.2	70.9	71.7

No Data	Waktu	CH21	CH22	CH23	CH24	CH25	CH26	CH27	CH28	CH29	CH30
0	0:00:00	29.4	29.4	29.4	29.3	28.8	28.8	28.9	29	28.8	30.9
1	0:00:05	29.4	29.4	29.4	29.3	28.8	28.8	28.9	29	28.8	31.7
2	0:00:10	29.4	29.4	29.4	29.3	28.8	28.8	28.9	29	28.8	32.1
3	0:00:15	29.4	29.4	29.4	29.3	28.8	28.8	28.9	29	28.9	32.5
4	0:00:20	29.4	29.4	29.4	29.3	28.7	28.8	28.9	29	28.9	33.2
5	0:00:25	29.4	29.4	29.4	29.3	28.8	28.8	28.9	29	28.9	33.8
6	0:00:30	29.4	29.4	29.4	29.3	28.7	28.7	28.8	29	28.8	34.3
7	0:00:35	29.4	29.4	29.4	29.3	28.7	28.7	28.8	29	28.9	34.7
8	0:00:40	29.4	29.4	29.4	29.3	28.7	28.7	28.8	29	28.9	35.1
9	0:00:45	29.5	29.4	29.4	29.4	28.7	28.7	28.8	29	28.9	35.7
10	0:00:50	29.5	29.4	29.4	29.4	28.7	28.7	28.8	29.1	28.9	36
11	0:00:55	29.6	29.5	29.4	29.4	28.7	28.7	28.8	29.1	29	36.5
12	0:01:00	29.5	29.5	29.4	29.5	28.6	28.7	28.8	29.1	28.9	36.6
13	0:01:05	29.5	29.5	29.4	29.5	28.6	28.7	28.8	29.2	28.9	37
14	0:01:10	29.5	29.4	29.4	29.4	28.6	28.7	28.8	29.2	29	37.6
15	0:01:15	29.5	29.4	29.4	29.4	28.6	28.7	28.8	29.4	29	37.9
2153	2:59:25	70.1	70.2	69.5	70.2	67.9	68.5	65.2	69.8	67.7	93.5
2154	2:59:30	70.1	70.2	69.5	70.2	67.8	68.5	65.2	69.7	67.6	93.4
2155	2:59:35	70.1	70.2	69.5	70.2	67.8	68.5	65.2	69.7	67.6	93.4
2156	2:59:40	70.2	70.2	69.5	70.3	67.9	68.5	65.2	69.8	67.6	93.5
2157	2:59:45	70.2	70.2	69.6	70.4	67.9	68.6	65.3	69.7	67.7	93.6
2158	2:59:50	70.2	70.2	69.6	70.3	67.9	68.6	65.3	69.7	67.7	93.6
2159	2:59:55	70.1	70.2	69.6	70.3	68	68.6	65.3	69.8	67.7	93.5
2160	3:00:00	70.2	70.3	69.6	70.3	68	68.6	65.3	69.8	67.7	93.7
2161	3:00:05	70.2	70.3	69.6	70.3	68	68.6	65.4	69.9	67.8	93.6
2162	3:00:10	70.2	70.3	69.6	70.4	68	68.6	65.4	69.9	67.8	93.7
2163	3:00:15	70.2	70.3	69.7	70.3	68	68.7	65.4	69.8	67.8	93.5
2164	3:00:20	70.3	70.3	69.7	70.4	68	68.7	65.4	69.8	67.7	93.6
2165	3:00:25	70.4	70.4	69.7	70.4	68.1	68.7	65.4	69.8	67.8	93.6
2166	3:00:30	70.3	70.4	69.7	70.4	68.1	68.7	65.4	69.9	67.8	93.7
2167	3:00:35	70.3	70.4	69.7	70.5	68.1	68.7	65.5	70.1	67.9	93.5

Lampiran 3. Data Charging 800 mLPM

NO.	Waktu	CH1	CH2	CH3	CH4	CH5	CH6	CH7	CH8	CH9	CH10
0	0:00:00	30.8	30.7	30.8	30.6	30.8	30.7	30.7	31	30.3	30.2
1	0:00:05	30.8	30.7	30.7	30.6	30.8	30.7	30.7	31	30.7	30.7
2	0:00:10	30.8	30.7	30.7	30.6	30.8	30.7	30.7	31	30.7	30.7
3	0:00:15	30.8	30.7	30.7	30.7	30.8	30.7	30.7	31	30.7	30.7
4	0:00:20	30.8	30.7	30.7	30.6	30.7	30.7	30.7	31	30.8	30.7
5	0:00:25	30.8	30.7	30.7	30.7	30.7	30.7	30.7	31.1	30.8	30.7
6	0:00:30	30.8	30.7	30.9	30.6	30.9	30.7	30.7	31.2	30.8	30.7
7	0:00:35	30.8	30.7	31.2	30.7	30.9	30.7	30.7	31.3	30.7	30.7
8	0:00:40	30.9	30.7	31.3	30.7	31	30.7	30.7	31.4	30.7	30.8
9	0:00:45	30.9	30.8	31.1	30.7	31.1	30.8	30.8	31.5	30.7	30.8
10	0:00:50	30.9	30.8	31.3	30.7	31.2	30.8	30.8	31.6	30.8	31
11	0:00:55	30.9	30.8	31.4	30.7	31.4	30.8	30.8	31.6	30.7	31
12	0:01:00	30.9	30.8	31.5	30.7	31.3	30.8	30.8	31.6	30.8	31.2
13	0:01:05	30.9	30.8	31.4	30.7	31.6	30.8	30.8	31.6	30.8	31.1
14	0:01:10	31	30.8	31.5	30.7	31.6	30.9	30.8	31.8	30.8	31.1
15	0:01:15	30.9	30.8	31.6	30.7	31.5	30.8	30.8	31.9	30.8	31.1
1990	2:45:50	68	68	68.4	68.9	69.1	68.5	67.8	68.4	69.3	69.5
1991	2:45:55	68	68	68.7	68.9	69.4	68.5	67.8	68.5	69.4	69.6
1992	2:46:00	68.1	68.1	68.1	68.9	69.6	68.5	67.8	68.7	69.4	69.7
1993	2:46:05	68.1	68.1	68.6	68.9	69.3	68.6	67.8	68.7	69.4	69.4
1994	2:46:10	68	68	68.1	68.9	69.3	68.5	67.8	68.5	69.4	69.5
1995	2:46:15	68	68	68.2	68.9	69.4	68.5	67.8	68.4	69.4	69.3
1996	2:46:20	68.1	68.1	69.3	69	69.3	68.6	67.9	68.9	69.5	69.9
1997	2:46:25	68.1	68.2	68.4	69	68.9	68.6	67.9	68.4	69.5	69.6
1998	2:46:30	68.1	68.2	68.6	69	69.1	68.6	67.9	68.4	69.5	69.9
1999	2:46:35	68.2	68.2	68.7	69	69.5	68.7	67.9	69.7	69.5	69.9
2000	2:46:40	68.2	68.2	68.5	69.1	69.2	68.7	67.9	68.6	69.5	69.4
2001	2:46:45	68.2	68.2	68.5	69	69.1	68.6	67.9	69.1	69.6	69.6
2002	2:46:50	68.2	68.2	68.5	69	69.4	68.7	67.9	68.6	69.6	70.1
2003	2:46:55	68.2	68.2	68.6	69	69.3	68.7	67.9	68.7	69.6	69.6
2004	2:47:00	68.2	68.2	69.1	69.1	69.5	68.7	68	68.5	69.6	69.9

NO.	Waktu	CH11	CH12	CH13	CH14	CH15	CH16	CH17	CH18	CH19	CH20
0	0:00:00	30.1	30.3	30.2	30.3	30.2	30.5	30.4	30.4	30.2	30.4
1	0:00:05	30.6	30.7	30.6	30.8	30.9	30.9	30.5	30.2	30.2	30.5
2	0:00:10	30.6	30.7	30.6	30.8	30.8	30.8	30.9	30.8	30.7	31
3	0:00:15	30.6	30.7	30.6	30.7	30.8	30.8	30.9	30.9	30.7	31
4	0:00:20	30.7	30.8	30.7	30.8	30.8	30.9	30.9	30.8	30.8	30.9
5	0:00:25	30.7	30.7	30.7	31	31.2	30.9	30.9	30.7	30.8	30.9
6	0:00:30	30.7	30.8	30.7	31.3	31.1	31.3	31.1	30.7	30.8	30.9
7	0:00:35	30.6	30.7	30.6	31.3	31.4	30.9	31.6	30.8	30.8	31.2
8	0:00:40	30.6	30.7	30.6	31.3	31.5	30.8	31.8	31.1	30.8	31.2
9	0:00:45	30.6	30.8	30.6	31.4	31.8	31.6	31.8	31.2	30.8	31.3
10	0:00:50	30.7	30.8	30.6	31.8	31.6	31.1	31.4	31.3	31.1	31.5
11	0:00:55	30.7	30.8	30.6	31.7	31.4	31	31.6	31.6	31.1	31.3
12	0:01:00	30.7	30.9	30.6	31.8	31.8	30.9	31.6	31.2	30.9	31.6
13	0:01:05	30.7	30.9	30.6	31.9	32.1	31	32.1	30.8	30.8	31.7
14	0:01:10	30.7	31	30.6	32.2	32.4	31.2	32.1	30.9	31.1	31.7
15	0:01:15	30.7	31	30.6	32.1	32.9	31.2	32.2	30.8	31	31.9
1990	2:45:50	68.8	69.2	67.8	70	69.6	68.7	69.9	68.8	69	70.5
1991	2:45:55	68.8	69.3	67.9	70	70.4	68.9	69.4	68.6	69	70
1992	2:46:00	68.9	69.2	67.9	69.9	70.6	68.6	70.1	68.9	69.1	70.2
1993	2:46:05	68.9	69.2	67.9	70.7	69.4	68.5	69.9	69.2	69.2	70.2
1994	2:46:10	68.9	69.3	67.9	69.7	69	69.6	69.6	69.2	69.4	70.1
1995	2:46:15	68.9	69.3	67.9	70.3	69.1	68.8	70.2	69.1	69.3	70.3
1996	2:46:20	68.9	69.3	68	70.4	69.4	68.9	69.4	69.7	69.1	70.2
1997	2:46:25	69	69.3	68	70.5	69.8	69.3	69.8	69.3	69.1	70
1998	2:46:30	69	69.3	68	70.7	70.1	69.4	70.4	69.2	69.1	70.4
1999	2:46:35	69	69.4	68	70.8	69.4	68.9	69.7	69.6	69.5	70.4
2000	2:46:40	69	69.4	68	70	69.4	69.4	69.6	69	69.3	70.2
2001	2:46:45	69	69.4	68.1	70.4	70	68.8	69.6	69.6	69.3	70.5
2002	2:46:50	69.1	69.4	68.1	70.4	69.7	68.8	69.9	69.8	69.7	70.4
2003	2:46:55	69.1	69.4	68.1	70.2	69.8	68.8	69.8	69.2	69.3	70.7
2004	2:47:00	69.1	69.5	68.1	70.6	71.1	69	70.4	69.5	69.2	70.1

NO.	Waktu	CH21	CH22	CH23	CH24	CH25	CH26	CH27	CH28	CH29	CH30
0	0:00:00	30.3	30.3	30.3	30.4	29.2	29.3	29.5	29.9	29.9	30.8
1	0:00:05	30.3	30.3	30.3	30.4	29.2	29.4	29.5	29.9	29.9	31.4
2	0:00:10	30.8	30.8	30.8	30.9	29.7	29.8	29.9	30.3	30.3	33
3	0:00:15	30.8	30.8	30.8	30.9	29.7	29.8	29.9	30.4	30.3	34
4	0:00:20	30.9	30.8	30.8	30.9	29.7	29.8	29.9	30.3	30.4	34.5
5	0:00:25	30.8	30.8	30.8	30.9	29.7	29.8	29.9	30.3	30.3	34.9
6	0:00:30	30.9	30.8	30.8	30.9	29.7	29.8	29.9	30.3	30.4	35.3
7	0:00:35	30.8	30.8	30.8	30.9	29.7	29.8	29.9	30.3	30.4	36
8	0:00:40	30.9	30.8	30.8	30.9	29.7	29.8	29.9	30.3	30.4	36.2
9	0:00:45	30.9	31	30.8	30.9	29.7	29.8	29.9	30.4	30.4	36.8
10	0:00:50	30.9	30.9	30.8	30.9	29.7	29.8	29.9	30.6	30.4	37.2
11	0:00:55	30.9	30.9	30.8	30.9	29.7	29.8	29.9	30.7	30.3	37.5
12	0:01:00	30.9	30.8	30.8	30.9	29.7	29.8	29.9	30.8	30.3	38
13	0:01:05	30.9	30.8	30.8	30.9	29.7	29.8	29.9	31	30.3	38.4
14	0:01:10	30.9	30.8	30.8	30.9	29.7	29.8	29.9	31	30.3	38.5
15	0:01:15	30.9	30.8	30.8	30.9	29.7	29.8	29.9	31.1	30.4	38.8
1990	2:45:50	68.7	68.8	68.2	68.9	67.1	67.7	64.8	69.8	66.7	89.8
1991	2:45:55	68.7	68.8	68.2	68.9	67.2	67.7	64.8	69.8	66.6	89.7
1992	2:46:00	68.7	68.8	68.2	68.9	67.2	67.7	64.8	69.8	66.7	89.7
1993	2:46:05	68.8	68.9	68.3	69	67.2	67.8	64.9	69.7	66.8	89.7
1994	2:46:10	68.8	68.9	68.3	69	67.2	67.8	64.9	69.8	66.8	89.8
1995	2:46:15	68.8	68.9	68.4	69	67.3	67.8	64.9	69.8	66.8	89.7
1996	2:46:20	68.8	68.9	68.3	69	67.3	67.8	64.9	69.9	66.8	89.7
1997	2:46:25	68.8	68.9	68.3	69	67.3	67.8	64.9	70	66.7	89.8
1998	2:46:30	68.8	68.9	68.4	69	67.3	67.8	64.9	69.9	66.8	89.8
1999	2:46:35	68.9	69	68.4	69.1	67.4	67.9	65	69.9	66.8	89.7
2000	2:46:40	68.9	69	68.5	69.2	67.4	68	65.1	70	66.8	89.9
2001	2:46:45	68.9	69	68.4	69.1	67.4	67.9	65	69.9	66.8	89.8
2002	2:46:50	68.9	69	68.4	69.1	67.4	67.9	65	70	66.8	89.7
2003	2:46:55	68.9	69	68.5	69.1	67.4	67.9	65	70	66.8	89.8
2004	2:47:00	69	69.1	68.5	69.2	67.4	68	65.1	70.2	66.8	89.8

Lampiran 4. Data Charging 900 mLPM

NO.	Waktu	CH1	CH2	CH3	CH4	CH5	CH6	CH7	CH8	CH9	CH10
0	0:00:00	28.8	28.9	29.7	29.3	29.6	29.3	28.7	29.6	28.5	28.6
1	0:00:05	28.8	28.9	29.8	29.2	29.8	29.3	28.8	29.7	29	29.4
2	0:00:10	28.8	28.9	29.9	29.3	29.8	29.3	28.8	29.6	29	29.4
3	0:00:15	28.9	29	30	29.3	29.8	29.4	28.8	29.9	29	29.3
4	0:00:20	28.9	29	29.8	29.3	30	29.3	28.8	29.9	29.1	29.3
5	0:00:25	28.9	29	30.2	29.3	30	29.4	28.8	29.8	29.1	29.5
6	0:00:30	29	29	30.5	29.3	30.1	29.4	28.9	30	29.1	29.7
7	0:00:35	29	29	30.3	29.3	30.3	29.4	28.9	30	29.1	29.6
8	0:00:40	29	29.1	30.4	29.3	30.4	29.4	28.9	29.9	29.1	29.8
9	0:00:45	29.1	29.1	30.1	29.3	30.2	29.4	28.9	30.5	29.1	29.7
10	0:00:50	29.1	29.1	30.2	29.4	30.3	29.5	29	30.1	29.2	29.7
11	0:00:55	29.1	29.2	30.6	29.4	30.3	29.5	29	30.2	29.2	29.8
12	0:01:00	29.2	29.2	30.7	29.4	30.3	29.5	29	30	29.2	29.7
13	0:01:05	29.2	29.2	29.7	29.4	29.9	29.5	29	29.9	29.2	29.5
14	0:01:10	29.3	29.3	31	29.5	30.1	29.6	29.1	30.4	29.2	29.8
15	0:01:15	29.3	29.3	30.2	29.6	30.3	29.6	29.1	30.3	29.2	29.7
2126	2:57:10	68.6	68.7	69.4	69.2	70	69.2	68.5	69.5	69.6	70.2
2127	2:57:15	68.6	68.7	69.3	69.2	70.1	69.2	68.5	69	69.6	69.8
2128	2:57:20	68.6	68.7	68.9	69.2	70	69.2	68.5	69.2	69.6	70.2
2129	2:57:25	68.6	68.8	69.5	69.2	70.1	69.2	68.5	69.5	69.6	70
2130	2:57:30	68.6	68.8	69.4	69.2	69.8	69.3	68.5	69	69.7	69.9
2131	2:57:35	68.6	68.8	69.3	69.2	69.8	69.3	68.6	69.4	69.7	69.9
2132	2:57:40	68.6	68.8	69.6	69.2	70.1	69.3	68.6	69.1	69.7	70
2133	2:57:45	68.6	68.8	69.3	69.3	70.1	69.3	68.6	69.4	69.7	70.5
2134	2:57:50	68.7	68.8	69.5	69.3	69.8	69.3	68.6	69.5	69.7	70.3
2135	2:57:55	68.7	68.8	69.6	69.3	70.2	69.3	68.6	69.2	69.7	70.4
2136	2:58:00	68.7	68.9	69.6	69.3	69.7	69.4	68.6	69.3	69.7	70.3
2137	2:58:05	68.7	68.9	69.2	69.3	70.1	69.4	68.6	69.1	69.7	70.3
2138	2:58:10	68.7	68.8	69.8	69.3	70.2	69.3	68.6	69.6	69.8	70.4
2139	2:58:15	68.7	68.8	69.4	69.3	70.1	69.3	68.6	69.3	69.8	70
2140	2:58:20	68.8	68.9	69.4	69.3	70.1	69.4	68.6	69.3	69.8	70.5

NO.	Waktu	CH11	CH12	CH13	CH14	CH15	CH16	CH17	CH18	CH19	CH20
0	0:00:00	28.7	28.8	28.7	29.3	29.3	28.5	30.1	29.8	29.5	29.7
1	0:00:05	29.2	29.3	29.2	30.1	29.6	29.2	29.9	29.7	29.7	30
2	0:00:10	29.3	29.4	29.2	30	30.1	29.3	30.3	29.5	29.8	30.4
3	0:00:15	29.3	29.4	29.2	30.2	30.3	29.5	30.2	29.8	29.8	30
4	0:00:20	29.3	29.4	29.2	30.2	30.1	29.3	30.5	29.3	30	30.3
5	0:00:25	29.3	29.5	29.2	30.2	30.1	29.5	30.4	29.4	29.6	30.2
6	0:00:30	29.3	29.5	29.2	30.2	31.1	29.4	30.4	29.9	29.6	30.5
7	0:00:35	29.3	29.5	29.2	30.3	30.5	29.5	30.4	29.6	29.9	30.7
8	0:00:40	29.3	29.6	29.2	30.5	30	29.7	30.4	29.4	29.7	30.8
9	0:00:45	29.3	29.6	29.2	30.3	30.3	29.4	30	29.7	29.6	30.1
10	0:00:50	29.3	29.6	29.1	30.7	30.6	29.5	30.3	29.5	29.9	30.6
11	0:00:55	29.3	29.6	29.2	30.5	30.4	29.4	30.3	29.9	30	30.6
12	0:01:00	29.3	29.6	29.2	30.1	29.9	29.5	30.3	29.6	29.9	30.4
13	0:01:05	29.3	29.6	29.1	30.3	31.3	29.2	30.4	29.9	29.8	30.1
14	0:01:10	29.3	29.6	29.1	30.7	30.1	30.2	30.4	29.4	29.7	30.1
15	0:01:15	29.3	29.6	29.1	30.5	32	29.5	30.5	29.3	29.9	30.8
2126	2:57:10	69.5	70	68.6	70.6	69.9	69.4	70.2	69.6	69.8	70.8
2127	2:57:15	69.5	70	68.6	71.2	71.6	69.9	70.7	69.6	69.8	71
2128	2:57:20	69.6	70	68.6	71.6	70.1	69.4	69.9	69.6	69.9	71.2
2129	2:57:25	69.6	69.9	68.6	70.7	70.2	69.5	69.9	69.8	69.8	70.9
2130	2:57:30	69.6	70	68.7	71.4	71	70	70.2	69.7	70	71
2131	2:57:35	69.6	70.1	68.7	70.6	70.5	70.1	70.6	69.6	69.9	70.8
2132	2:57:40	69.6	70	68.7	71.3	72	69.5	70.2	70.1	69.7	71.3
2133	2:57:45	69.6	70	68.7	70.7	71.3	69.8	70.3	70	69.9	71
2134	2:57:50	69.7	70.1	68.7	71	70.1	70.1	70.1	69.9	69.9	70.7
2135	2:57:55	69.7	70.1	68.7	71.5	70.7	69.7	70.5	70.1	70.1	71.6
2136	2:58:00	69.7	70.2	68.8	71	70.7	69.7	70.1	69.6	69.9	71
2137	2:58:05	69.7	70.2	68.8	71.3	70.6	70	70.2	70.2	69.9	71.3
2138	2:58:10	69.7	70.2	68.8	70.9	70.4	69.8	69.9	69.5	70	71.1
2139	2:58:15	69.8	70.2	68.8	71.3	70.2	70.3	70.8	70.1	69.9	71
2140	2:58:20	69.8	70.2	68.8	70.9	70.6	69.7	70.6	70.4	70.2	71.8

NO.	Waktu	CH21	CH22	CH23	CH24	CH25	CH26	CH27	CH28	CH29	CH30
0	0:00:00	29.4	29.3	29.3	29.4	27.9	28	28.3	29.1	32.4	36.4
1	0:00:05	29.4	29.3	29.3	29.4	27.9	28.1	28.4	29.2	32.5	37
2	0:00:10	29.4	29.3	29.3	29.4	27.9	28.1	28.4	29.3	32.5	37.3
3	0:00:15	29.4	29.3	29.3	29.4	27.9	28.1	28.4	29.4	32.5	37.5
4	0:00:20	29.3	29.3	29.3	29.4	27.9	28.1	28.3	29.4	32.4	37.6
5	0:00:25	29.3	29.3	29.3	29.4	27.9	28.1	28.3	29.5	32.4	38
6	0:00:30	29.3	29.3	29.3	29.4	27.9	28.1	28.3	29.6	32.4	38.4
7	0:00:35	29.3	29.3	29.3	29.3	27.9	28.1	28.4	29.7	32.5	38.7
8	0:00:40	29.3	29.3	29.3	29.4	27.9	28.1	28.4	29.8	32.5	39
9	0:00:45	29.3	29.3	29.2	29.4	27.9	28.2	28.4	29.9	32.6	39.1
10	0:00:50	29.4	29.3	29.3	29.4	27.9	28.2	28.4	30	32.6	39.4
11	0:00:55	29.3	29.3	29.3	29.4	27.9	28.2	28.4	30	32.7	39.6
12	0:01:00	29.4	29.3	29.3	29.4	27.9	28.1	28.4	30.1	32.8	39.8
13	0:01:05	29.4	29.3	29.3	29.4	27.9	28.2	28.4	30	32.9	40
14	0:01:10	29.4	29.3	29.3	29.4	27.9	28.2	28.4	29.8	32.9	40.3
15	0:01:15	29.4	29.3	29.3	29.4	27.9	28.2	28.4	29.7	33	40.4
2126	2:57:10	69.4	69.5	68.8	69.7	66.6	67.4	64.6	69.7	71.1	88.6
2127	2:57:15	69.4	69.5	68.9	69.7	66.7	67.4	64.6	69.7	71.1	88.6
2128	2:57:20	69.5	69.5	68.9	69.7	66.7	67.4	64.6	69.8	71.1	88.5
2129	2:57:25	69.5	69.5	68.9	69.8	66.7	67.4	64.6	69.8	71.2	88.6
2130	2:57:30	69.5	69.6	68.9	69.7	66.7	67.4	64.6	69.8	71.2	88.6
2131	2:57:35	69.5	69.6	68.9	69.8	66.7	67.5	64.6	69.9	71.2	88.7
2132	2:57:40	69.4	69.6	68.9	69.7	66.7	67.4	64.6	69.7	71.1	88.6
2133	2:57:45	70.1	69.6	68.9	69.7	66.7	67.4	64.6	69.9	71.1	88.6
2134	2:57:50	69.4	69.6	68.9	69.7	66.7	67.5	64.6	70	71.1	88.6
2135	2:57:55	69.5	69.7	69	69.9	66.8	67.5	64.7	69.9	71.3	88.6
2136	2:58:00	69.5	69.7	69	69.8	66.8	67.5	64.7	70	71.2	88.6
2137	2:58:05	69.6	69.7	69	69.9	66.8	67.6	64.8	69.8	71.3	88.6
2138	2:58:10	69.5	69.6	69	69.8	66.9	67.6	64.8	69.9	71.2	88.7
2139	2:58:15	69.6	69.7	69	69.8	66.9	67.6	64.8	69.9	71.3	88.7
2140	2:58:20	69.6	69.7	69.1	69.9	66.9	67.6	64.8	70	71.4	88.8

Lampiran 5 Data Suhu Terkalibrasi 600 mLPM

Waktu	CH1	CH2	CH3	CH4	CH5	CH6	CH7	CH8	CH9	CH10
0:00:00	27.49	27.56	27.56	28.46	27.76	27.82	28.05	29.17	28.29	27.31
0:00:05	27.49	27.56	27.56	28.46	27.76	27.82	28.05	29.17	28.29	27.31
0:00:10	27.49	27.56	27.56	28.46	27.76	27.82	28.05	29.27	28.20	27.21
0:00:15	27.49	27.56	27.56	28.46	27.76	27.82	28.05	29.17	28.29	27.21
0:00:20	27.49	27.56	27.56	28.46	27.76	27.82	28.05	29.27	28.20	27.31
0:00:25	27.49	27.56	27.56	28.46	27.76	27.82	28.05	29.27	28.29	27.31
0:00:30	27.49	27.56	27.66	28.46	27.76	27.92	28.05	29.27	28.29	27.31
0:00:35	27.49	27.56	27.76	28.46	27.76	27.92	28.05	29.37	28.29	27.31
0:00:40	27.49	27.56	27.96	28.46	27.86	27.82	28.05	29.46	28.29	27.31
0:00:45	27.49	27.56	28.06	28.36	27.96	27.92	28.05	29.56	28.29	27.31
0:00:50	27.59	27.56	28.06	28.46	27.96	27.82	28.05	29.56	28.29	27.41
0:00:55	27.59	27.56	28.16	28.46	28.15	27.82	28.05	29.56	28.29	27.51
0:01:00	27.59	27.56	28.46	28.46	28.15	27.92	28.05	29.66	28.29	27.51
0:01:05	27.59	27.56	28.26	28.46	28.25	27.92	28.05	29.85	28.29	27.61
0:01:10	27.69	27.56	28.26	28.46	28.45	27.92	28.05	29.66	28.29	27.70
0:01:15	27.69	27.66	28.06	28.46	28.45	27.92	28.15	29.85	28.29	27.70
2:41:40	62.41	63.01	63.03	63.41	63.43	63.32	62.76	62.99	62.84	62.76
2:41:45	62.41	63.01	63.43	63.41	63.53	63.32	62.76	63.18	62.84	62.86
2:41:50	62.41	63.01	63.23	63.41	63.63	63.32	62.76	62.99	62.84	62.96
2:41:55	62.41	63.01	63.03	63.41	63.43	63.32	62.76	63.67	62.84	62.86
2:42:00	62.41	63.01	63.13	63.41	63.73	63.32	62.76	63.28	62.84	62.96
2:42:05	62.41	63.01	63.03	63.41	63.53	63.32	62.76	63.18	62.84	63.15
2:42:10	62.41	63.01	63.33	63.41	63.43	63.32	62.76	62.99	62.84	63.05
2:42:15	62.41	63.01	63.63	63.41	63.63	63.32	62.86	63.57	62.84	62.96
2:42:20	62.51	63.01	63.03	63.41	63.53	63.32	62.86	63.57	62.84	62.96
2:42:25	62.51	63.01	63.23	63.41	63.73	63.32	62.86	63.38	62.84	63.25
2:42:30	62.51	63.01	63.23	63.41	63.63	63.32	62.86	63.18	62.84	63.15
2:42:35	62.51	63.01	63.33	63.51	63.73	63.32	62.86	63.28	62.84	63.15
2:42:40	62.51	63.01	63.23	63.51	63.93	63.32	62.86	63.57	62.84	63.15
2:42:45	62.51	63.01	63.13	63.51	63.43	63.32	62.86	63.28	62.84	62.96
2:42:50	62.51	63.01	63.03	63.51	63.63	63.42	62.96	63.38	62.84	63.05

Waktu	CH11	CH12	CH13	CH14	CH15	CH16	CH17	CH18	CH19	CH20
0:00:00	27.33	27.31	27.77	28.66	27.85	27.73	28.21	28.00	28.78	28.73
0:00:05	27.33	27.31	27.77	28.66	27.85	27.73	28.21	28.00	28.78	28.73
0:00:10	27.33	27.40	27.77	28.66	27.85	27.73	28.21	28.00	28.78	28.73
0:00:15	27.33	27.40	27.77	28.66	27.85	27.73	28.21	28.00	28.78	28.83
0:00:20	27.33	27.40	27.77	28.66	27.95	27.73	28.21	28.00	28.78	28.73
0:00:25	27.43	27.40	27.87	28.76	28.04	27.83	28.21	28.00	28.78	28.73
0:00:30	27.43	27.40	27.87	28.86	28.24	27.83	28.50	28.00	28.78	28.73
0:00:35	27.43	27.40	27.87	28.95	28.34	27.93	28.60	28.00	28.78	28.83
0:00:40	27.33	27.40	27.77	29.05	28.34	27.83	28.60	28.00	28.88	29.02
0:00:45	27.33	27.40	27.77	28.95	28.63	27.83	28.60	28.10	28.78	29.02
0:00:50	27.33	27.40	27.77	29.43	28.63	27.93	28.70	28.10	28.88	29.02
0:00:55	27.43	27.40	27.77	29.53	28.93	27.83	28.60	28.29	28.88	29.21
0:01:00	27.43	27.50	27.87	29.24	28.54	27.83	29.09	28.20	28.97	29.40
0:01:05	27.43	27.50	27.87	29.43	28.83	27.73	29.18	28.00	28.88	29.40
0:01:10	27.43	27.50	27.87	29.62	28.93	28.22	28.60	28.00	29.16	29.30
0:01:15	27.43	27.60	27.87	29.53	28.54	27.73	28.79	28.00	29.16	29.40
2:41:40	62.88	63.13	62.36	63.53	63.95	63.58	62.99	63.35	62.91	63.26
2:41:45	62.88	63.13	62.36	63.43	63.46	63.28	63.38	63.35	63.00	63.26
2:41:50	62.88	63.13	62.36	63.53	63.36	63.08	63.38	63.45	63.10	63.45
2:41:55	62.88	63.13	62.36	63.53	64.15	63.67	63.18	63.45	63.19	63.45
2:42:00	62.88	63.13	62.46	63.72	63.56	63.28	63.38	63.64	63.00	63.45
2:42:05	62.88	63.13	62.46	63.53	63.36	63.08	63.18	63.45	63.00	63.64
2:42:10	62.98	63.13	62.46	63.34	63.46	63.28	63.47	63.45	63.10	63.36
2:42:15	62.88	63.13	62.46	63.82	64.24	63.18	63.67	63.45	63.00	63.36
2:42:20	62.88	63.13	62.46	64.20	64.34	63.38	63.28	63.45	63.10	63.55
2:42:25	62.98	63.22	62.46	63.82	63.46	63.28	63.67	63.64	63.19	63.74
2:42:30	62.98	63.22	62.46	64.11	64.15	63.38	63.28	63.54	63.10	63.64
2:42:35	62.98	63.22	62.56	63.72	63.56	63.67	63.76	64.23	63.00	63.45
2:42:40	62.98	63.22	62.56	63.82	63.56	63.28	63.86	63.74	63.19	63.64
2:42:45	62.98	63.22	62.56	64.11	63.75	63.08	63.18	63.45	63.10	63.45
2:42:50	62.98	63.22	62.56	63.82	63.65	63.18	63.67	64.03	62.91	63.45

Waktu	CH21	CH22	CH23	CH24	CH25	CH26	CH27	CH28	CH29	CH30
0:00:00	28.35	27.89	29.40	28.64	27.80	28.01	27.73	28.66	27.88	29.95
0:00:05	28.35	27.89	29.40	28.64	27.90	28.01	27.73	28.66	27.98	30.73
0:00:10	28.35	27.89	29.40	28.64	27.80	28.01	27.73	28.66	27.88	32.00
0:00:15	28.35	27.89	29.40	28.64	27.90	28.01	27.73	28.66	27.88	32.58
0:00:20	28.35	27.89	29.40	28.64	27.90	28.01	27.73	28.66	27.88	32.97
0:00:25	28.35	27.89	29.40	28.64	27.90	28.01	27.83	28.76	27.98	33.55
0:00:30	28.35	27.89	29.40	28.64	27.90	28.01	27.83	28.76	28.08	34.14
0:00:35	28.35	27.89	29.40	28.64	27.90	28.01	27.83	28.76	27.98	34.82
0:00:40	28.35	27.89	29.40	28.64	27.90	28.01	27.83	28.76	27.98	35.11
0:00:45	28.35	27.89	29.40	28.64	27.90	28.01	27.83	28.76	27.98	35.40
0:00:50	28.35	27.89	29.40	28.64	27.90	28.01	27.83	28.86	27.98	35.69
0:00:55	28.35	27.89	29.40	28.64	27.90	28.01	27.73	28.86	27.98	36.08
0:01:00	28.35	27.89	29.40	28.64	27.90	28.01	27.73	28.95	27.98	36.57
0:01:05	28.35	27.99	29.40	28.64	27.90	28.01	27.73	29.05	27.98	36.96
0:01:10	28.35	27.99	29.40	28.64	27.90	28.01	27.73	29.15	27.98	37.44
0:01:15	28.35	27.89	29.40	28.64	27.90	28.01	27.73	29.25	27.98	37.73
2:41:40	62.99	63.18	62.56	63.46	62.95	63.28	60.02	63.46	59.59	93.17
2:41:45	63.09	63.18	62.56	63.36	62.85	63.28	60.02	63.37	59.49	93.17
2:41:50	63.09	63.08	62.65	63.36	62.85	63.28	60.02	63.37	59.39	93.36
2:41:55	63.09	63.18	62.65	63.36	62.85	63.28	60.02	63.37	59.39	93.56
2:42:00	63.09	63.18	62.65	63.36	62.85	63.28	60.02	63.46	59.49	93.46
2:42:05	63.09	63.18	62.65	63.36	62.85	63.28	60.02	63.46	59.49	93.65
2:42:10	63.09	63.18	62.65	63.46	62.95	63.28	60.02	63.46	59.49	93.65
2:42:15	63.09	63.18	62.65	63.46	62.95	63.38	60.02	63.56	59.59	93.85
2:42:20	63.09	63.18	62.74	63.46	63.05	63.38	60.02	63.56	59.59	93.75
2:42:25	63.09	63.28	62.74	63.46	63.05	63.38	60.02	63.56	59.59	93.65
2:42:30	63.09	63.18	62.74	63.46	63.05	63.38	60.02	63.66	59.59	93.85
2:42:35	63.18	63.18	62.74	63.46	63.05	63.38	60.02	63.76	59.49	93.94
2:42:40	63.09	63.28	62.74	63.46	62.95	63.38	60.02	63.56	59.49	93.56
2:42:45	63.18	63.18	62.74	63.46	63.05	63.38	60.02	63.66	59.49	93.85
2:42:50	63.09	63.18	62.74	63.46	63.05	63.38	60.02	63.66	59.49	93.85

Lampiran 6 Data Suhu Terkalibrasi 700 mLPM

Waktu	CH1	CH2	CH3	CH4	CH5	CH6	CH7	CH8	CH9	CH10
0:00:00	25.59	25.76	25.76	26.79	25.96	26.42	26.06	27.24	27.05	26.03
0:00:05	25.59	25.76	25.76	26.79	25.96	26.42	26.06	27.24	27.05	26.03
0:00:10	25.59	25.76	25.76	26.79	25.96	26.42	26.06	27.24	27.05	26.03
0:00:15	26.09	26.16	26.16	27.19	26.36	26.82	26.46	27.72	27.05	26.03
0:00:20	26.09	26.16	26.16	27.19	26.36	26.82	26.46	27.72	27.05	26.03
0:00:25	26.19	26.26	26.46	27.28	26.46	26.92	26.56	27.92	27.05	26.03
0:00:30	26.19	26.26	26.56	27.28	26.56	26.92	26.56	28.01	26.96	26.03
0:00:35	26.19	26.26	26.66	27.28	26.66	26.92	26.56	28.30	27.05	26.03
0:00:40	26.09	26.16	26.66	27.19	26.66	26.82	26.46	28.11	26.96	26.13
0:00:45	26.09	26.16	26.86	27.19	26.76	26.82	26.46	28.21	26.96	26.13
0:00:50	26.09	26.26	26.76	27.19	26.76	26.82	26.56	28.21	27.05	26.23
0:00:55	26.19	26.36	27.06	27.28	26.96	26.92	26.66	28.40	26.96	26.33
0:01:00	26.19	26.36	26.96	27.28	27.16	26.92	26.66	28.40	26.96	26.42
0:01:05	26.29	26.36	27.06	27.28	27.16	26.92	26.66	28.30	26.96	26.33
0:01:10	26.29	26.36	27.36	27.28	27.26	26.92	26.66	28.40	26.96	26.52
0:01:15	26.29	26.36	27.36	27.28	27.36	26.92	26.66	28.59	27.05	26.62
2:59:25	66.31	66.51	67.54	67.32	67.52	66.81	66.34	66.66	66.28	66.60
2:59:30	66.31	66.61	67.64	67.32	67.22	66.81	66.44	66.86	66.28	66.60
2:59:35	66.41	66.61	67.44	67.32	67.82	66.81	66.44	67.24	66.28	66.89
2:59:40	66.41	66.61	67.34	67.32	67.72	66.91	66.44	66.95	66.37	66.80
2:59:45	66.41	66.61	67.44	67.32	67.72	66.81	66.44	66.66	66.37	66.60
2:59:50	66.41	66.61	67.64	67.42	68.02	66.81	66.44	67.05	66.37	67.29
2:59:55	66.41	66.61	67.84	67.42	67.62	66.81	66.44	67.24	66.37	66.80
3:00:00	66.51	66.61	66.94	67.42	68.02	66.81	66.44	66.86	66.37	66.80
3:00:05	66.51	66.71	67.34	67.42	67.92	66.81	66.44	67.44	66.37	67.19
3:00:10	66.51	66.71	67.04	67.42	67.52	66.81	66.54	67.24	66.37	66.70
3:00:15	66.51	66.71	67.54	67.42	67.92	66.91	66.54	67.24	66.47	67.09
3:00:20	66.51	66.71	67.24	67.52	67.72	66.91	66.54	67.73	66.47	67.09
3:00:25	66.61	66.81	67.54	67.52	68.12	66.91	66.54	66.95	66.47	66.99
3:00:30	66.61	66.81	67.04	67.52	68.02	66.91	66.54	67.15	66.47	66.89
3:00:35	66.61	66.81	67.54	67.52	68.02	66.91	66.64	67.15	66.47	67.19

Waktu	CH11	CH12	CH13	CH14	CH15	CH16	CH17	CH18	CH19	CH20
0:00:00	26.44	26.42	26.40	26.93	26.27	26.16	26.86	26.73	27.83	27.78
0:00:05	26.44	26.42	26.40	27.03	26.17	26.16	26.86	26.63	27.83	27.78
0:00:10	26.44	26.42	26.40	27.03	26.27	26.16	26.86	26.63	27.83	27.78
0:00:15	26.44	26.42	26.40	27.03	26.47	26.16	26.86	26.73	27.83	27.78
0:00:20	26.35	26.32	26.40	27.32	26.67	26.26	26.86	26.63	27.83	27.78
0:00:25	26.35	26.32	26.40	27.32	26.86	26.65	27.24	26.63	27.83	27.78
0:00:30	26.35	26.32	26.40	27.32	27.06	26.26	27.24	26.83	27.83	27.78
0:00:35	26.35	26.42	26.40	27.41	27.26	26.45	27.63	27.02	27.83	27.78
0:00:40	26.35	26.32	26.40	27.51	26.57	26.16	27.63	26.73	27.83	27.78
0:00:45	26.35	26.42	26.40	27.61	27.06	26.26	27.63	27.02	27.83	27.87
0:00:50	26.35	26.42	26.40	27.51	27.26	26.55	27.44	26.93	27.83	28.35
0:00:55	26.35	26.42	26.40	27.70	27.55	26.75	27.83	26.83	27.93	28.16
0:01:00	26.35	26.42	26.40	27.80	27.55	26.26	27.83	26.83	28.02	28.25
0:01:05	26.44	26.42	26.40	28.57	26.86	26.75	27.73	27.12	27.93	28.44
0:01:10	26.44	26.42	26.40	27.99	27.36	26.26	27.44	26.73	28.02	28.25
0:01:15	26.44	26.52	26.40	27.80	27.16	26.26	27.63	27.12	27.83	28.16
2:59:25	66.32	66.77	65.89	68.04	67.88	66.92	67.35	67.06	66.79	67.55
2:59:30	66.32	66.87	65.89	69.48	69.26	67.42	66.57	66.77	66.60	67.17
2:59:35	66.42	66.87	65.89	67.85	67.79	66.43	67.45	67.06	66.60	67.94
2:59:40	66.42	66.87	65.89	68.33	66.80	66.63	66.96	66.86	66.70	67.55
2:59:45	66.42	66.87	65.99	67.56	68.18	66.53	67.45	66.67	66.98	67.65
2:59:50	66.42	66.96	65.99	68.43	68.08	66.53	67.64	67.35	66.89	68.03
2:59:55	66.42	66.96	65.99	68.62	68.77	66.92	67.83	66.96	66.70	67.36
3:00:00	66.42	66.96	65.99	68.43	67.88	66.73	67.06	67.16	66.98	67.94
3:00:05	66.42	66.96	65.99	68.24	67.19	66.53	67.06	66.77	67.08	67.94
3:00:10	66.52	66.96	65.99	68.14	67.59	67.81	67.16	66.57	66.70	67.36
3:00:15	66.52	66.96	65.99	68.52	68.28	66.53	67.54	66.86	66.60	67.36
3:00:20	66.52	66.96	66.09	68.52	68.67	66.53	66.96	66.96	67.17	67.74
3:00:25	66.52	67.06	66.09	69.48	68.57	67.12	67.45	67.16	66.60	67.94
3:00:30	66.52	67.16	66.09	68.91	68.77	66.53	67.45	66.67	66.60	67.74
3:00:35	66.62	67.06	66.09	68.91	69.46	67.71	67.45	67.55	66.98	67.84

Waktu	CH21	CH22	CH23	CH24	CH25	CH26	CH27	CH28	CH29	CH30
0:00:00	26.99	26.61	28.17	27.19	27.19	27.21	27.03	27.88	26.88	30.15
0:00:05	26.99	26.61	28.17	27.19	27.19	27.21	27.03	27.88	26.88	30.93
0:00:10	26.99	26.61	28.17	27.19	27.19	27.21	27.03	27.88	26.88	31.32
0:00:15	26.99	26.61	28.17	27.19	27.19	27.21	27.03	27.88	26.98	31.70
0:00:20	26.99	26.61	28.17	27.19	27.09	27.21	27.03	27.88	26.98	32.39
0:00:25	26.99	26.61	28.17	27.19	27.19	27.21	27.03	27.88	26.98	32.97
0:00:30	26.99	26.61	28.17	27.19	27.09	27.11	26.93	27.88	26.88	33.46
0:00:35	26.99	26.61	28.17	27.19	27.09	27.11	26.93	27.88	26.98	33.84
0:00:40	26.99	26.61	28.17	27.19	27.09	27.11	26.93	27.88	26.98	34.23
0:00:45	27.09	26.61	28.17	27.28	27.09	27.11	26.93	27.88	26.98	34.82
0:00:50	27.09	26.61	28.17	27.28	27.09	27.11	26.93	27.97	26.98	35.11
0:00:55	27.19	26.71	28.17	27.28	27.09	27.11	26.93	27.97	27.08	35.59
0:01:00	27.09	26.71	28.17	27.38	26.99	27.11	26.93	27.97	26.98	35.69
0:01:05	27.09	26.71	28.17	27.38	26.99	27.11	26.93	28.07	26.98	36.08
0:01:10	27.09	26.61	28.17	27.28	26.99	27.11	26.93	28.07	27.08	36.66
0:01:15	27.09	26.61	28.17	27.28	26.99	27.11	26.93	28.27	27.08	36.96
2:59:25	66.48	66.72	65.84	66.74	66.36	66.88	63.43	67.88	65.80	91.03
2:59:30	66.48	66.72	65.84	66.74	66.26	66.88	63.43	67.78	65.70	90.93
2:59:35	66.48	66.72	65.84	66.74	66.26	66.88	63.43	67.78	65.70	90.93
2:59:40	66.58	66.72	65.84	66.84	66.36	66.88	63.43	67.88	65.70	91.03
2:59:45	66.58	66.72	65.94	66.94	66.36	66.98	63.53	67.78	65.80	91.12
2:59:50	66.58	66.72	65.94	66.84	66.36	66.98	63.53	67.78	65.80	91.12
2:59:55	66.48	66.72	65.94	66.84	66.46	66.98	63.53	67.88	65.80	91.03
3:00:00	66.58	66.81	65.94	66.84	66.46	66.98	63.53	67.88	65.80	91.22
3:00:05	66.58	66.81	65.94	66.84	66.46	66.98	63.63	67.97	65.90	91.12
3:00:10	66.58	66.81	65.94	66.94	66.46	66.98	63.63	67.97	65.90	91.22
3:00:15	66.58	66.81	66.03	66.84	66.46	67.08	63.63	67.88	65.90	91.03
3:00:20	66.68	66.81	66.03	66.94	66.46	67.08	63.63	67.88	65.80	91.12
3:00:25	66.77	66.91	66.03	66.94	66.56	67.08	63.63	67.88	65.90	91.12
3:00:30	66.68	66.91	66.03	66.94	66.56	67.08	63.63	67.97	65.90	91.22
3:00:35	66.68	66.91	66.03	67.03	66.56	67.08	63.73	68.17	66.00	91.03

Lampiran 7 Data Suhu Terkalibrasi 800 mLPM

Waktu	CH1	CH2	CH3	CH4	CH5	CH6	CH7	CH8	CH9	CH10
0:00:00	27.69	27.76	27.86	28.56	28.06	28.12	28.25	29.56	28.10	27.11
0:00:05	27.69	27.76	27.76	28.56	28.06	28.12	28.25	29.56	28.48	27.61
0:00:10	27.69	27.76	27.76	28.56	28.06	28.12	28.25	29.56	28.48	27.61
0:00:15	27.69	27.76	27.76	28.65	28.06	28.12	28.25	29.56	28.48	27.61
0:00:20	27.69	27.76	27.76	28.56	27.96	28.12	28.25	29.56	28.58	27.61
0:00:25	27.69	27.76	27.76	28.65	27.96	28.12	28.25	29.66	28.58	27.61
0:00:30	27.69	27.76	27.96	28.56	28.15	28.12	28.25	29.75	28.58	27.61
0:00:35	27.69	27.76	28.26	28.65	28.15	28.12	28.25	29.85	28.48	27.61
0:00:40	27.79	27.76	28.36	28.65	28.25	28.12	28.25	29.95	28.48	27.70
0:00:45	27.79	27.86	28.16	28.65	28.35	28.22	28.35	30.04	28.48	27.70
0:00:50	27.79	27.86	28.36	28.65	28.45	28.22	28.35	30.14	28.58	27.90
0:00:55	27.79	27.86	28.46	28.65	28.65	28.22	28.35	30.14	28.48	27.90
0:01:00	27.79	27.86	28.56	28.65	28.55	28.22	28.35	30.14	28.58	28.10
0:01:05	27.79	27.86	28.46	28.65	28.85	28.22	28.35	30.14	28.58	28.00
0:01:10	27.89	27.86	28.56	28.65	28.85	28.32	28.35	30.33	28.58	28.00
0:01:15	27.79	27.86	28.66	28.65	28.75	28.22	28.35	30.43	28.58	28.00
2:45:50	64.91	65.11	65.54	66.05	66.32	65.81	65.15	65.70	65.32	65.81
2:45:55	64.91	65.11	65.84	66.05	66.62	65.81	65.15	65.79	65.42	65.91
2:46:00	65.01	65.21	65.24	66.05	66.82	65.81	65.15	65.99	65.42	66.01
2:46:05	65.01	65.21	65.74	66.05	66.52	65.91	65.15	65.99	65.42	65.71
2:46:10	64.91	65.11	65.24	66.05	66.52	65.81	65.15	65.79	65.42	65.81
2:46:15	64.91	65.11	65.34	66.05	66.62	65.81	65.15	65.70	65.42	65.61
2:46:20	65.01	65.21	66.44	66.15	66.52	65.91	65.25	66.18	65.51	66.21
2:46:25	65.01	65.31	65.54	66.15	66.12	65.91	65.25	65.70	65.51	65.91
2:46:30	65.01	65.31	65.74	66.15	66.32	65.91	65.25	65.70	65.51	66.21
2:46:35	65.11	65.31	65.84	66.15	66.72	66.01	65.25	66.95	65.51	66.21
2:46:40	65.11	65.31	65.64	66.25	66.42	66.01	65.25	65.89	65.51	65.71
2:46:45	65.11	65.31	65.64	66.15	66.32	65.91	65.25	66.37	65.61	65.91
2:46:50	65.11	65.31	65.64	66.15	66.62	66.01	65.25	65.89	65.61	66.40
2:46:55	65.11	65.31	65.74	66.15	66.52	66.01	65.25	65.99	65.61	65.91
2:47:00	65.11	65.31	66.24	66.25	66.72	66.01	65.35	65.79	65.61	66.21

Waktu	CH11	CH12	CH13	CH14	CH15	CH16	CH17	CH18	CH19	CH20
0:00:00	27.13	27.31	27.38	28.18	27.36	27.63	27.92	27.71	28.40	28.44
0:00:05	27.62	27.70	27.77	28.66	28.04	28.03	28.02	27.51	28.40	28.54
0:00:10	27.62	27.70	27.77	28.66	27.95	27.93	28.41	28.10	28.88	29.02
0:00:15	27.62	27.70	27.77	28.57	27.95	27.93	28.41	28.20	28.88	29.02
0:00:20	27.72	27.80	27.87	28.66	27.95	28.03	28.41	28.10	28.97	28.92
0:00:25	27.72	27.70	27.87	28.86	28.34	28.03	28.41	28.00	28.97	28.92
0:00:30	27.72	27.80	27.87	29.14	28.24	28.42	28.60	28.00	28.97	28.92
0:00:35	27.62	27.70	27.77	29.14	28.54	28.03	29.09	28.10	28.97	29.21
0:00:40	27.62	27.70	27.77	29.14	28.63	27.93	29.28	28.39	28.97	29.21
0:00:45	27.62	27.80	27.77	29.24	28.93	28.72	29.28	28.49	28.97	29.30
0:00:50	27.72	27.80	27.77	29.62	28.73	28.22	28.89	28.59	29.26	29.49
0:00:55	27.72	27.80	27.77	29.53	28.54	28.13	29.09	28.88	29.26	29.30
0:01:00	27.72	27.90	27.77	29.62	28.93	28.03	29.09	28.49	29.07	29.59
0:01:05	27.72	27.90	27.77	29.72	29.22	28.13	29.57	28.10	28.97	29.68
0:01:10	27.72	27.99	27.77	30.01	29.52	28.32	29.57	28.20	29.26	29.68
0:01:15	27.72	27.99	27.77	29.91	30.01	28.32	29.67	28.10	29.16	29.87
2:45:50	65.14	65.59	64.23	66.32	66.11	65.25	66.19	65.20	65.18	66.70
2:45:55	65.14	65.69	64.32	66.32	66.90	65.45	65.70	65.01	65.18	66.22
2:46:00	65.24	65.59	64.32	66.22	67.10	65.15	66.38	65.30	65.28	66.41
2:46:05	65.24	65.59	64.32	66.99	65.92	65.05	66.19	65.60	65.37	66.41
2:46:10	65.24	65.69	64.32	66.03	65.52	66.14	65.90	65.60	65.56	66.31
2:46:15	65.24	65.69	64.32	66.60	65.62	65.35	66.48	65.50	65.46	66.50
2:46:20	65.24	65.69	64.42	66.70	65.92	65.45	65.70	66.08	65.28	66.41
2:46:25	65.34	65.69	64.42	66.80	66.31	65.84	66.09	65.69	65.28	66.22
2:46:30	65.34	65.69	64.42	66.99	66.60	65.94	66.67	65.60	65.28	66.60
2:46:35	65.34	65.78	64.42	67.08	65.92	65.45	65.99	65.99	65.65	66.60
2:46:40	65.34	65.78	64.42	66.32	65.92	65.94	65.90	65.40	65.46	66.41
2:46:45	65.34	65.78	64.52	66.70	66.51	65.35	65.90	65.99	65.46	66.70
2:46:50	65.44	65.78	64.52	66.70	66.21	65.35	66.19	66.18	65.84	66.60
2:46:55	65.44	65.78	64.52	66.51	66.31	65.35	66.09	65.60	65.46	66.89
2:47:00	65.44	65.88	64.52	66.89	67.59	65.54	66.67	65.89	65.37	66.31

Waktu	CH21	CH22	CH23	CH24	CH25	CH26	CH27	CH28	CH29	CH30
0:00:00	27.87	27.50	29.02	28.25	27.60	27.71	27.63	28.76	27.98	30.05
0:00:05	27.87	27.50	29.02	28.25	27.60	27.81	27.63	28.76	27.98	30.64
0:00:10	28.35	27.99	29.49	28.73	28.10	28.21	28.03	29.15	28.38	32.19
0:00:15	28.35	27.99	29.49	28.73	28.10	28.21	28.03	29.25	28.38	33.16
0:00:20	28.45	27.99	29.49	28.73	28.10	28.21	28.03	29.15	28.48	33.65
0:00:25	28.35	27.99	29.49	28.73	28.10	28.21	28.03	29.15	28.38	34.04
0:00:30	28.45	27.99	29.49	28.73	28.10	28.21	28.03	29.15	28.48	34.43
0:00:35	28.35	27.99	29.49	28.73	28.10	28.21	28.03	29.15	28.48	35.11
0:00:40	28.45	27.99	29.49	28.73	28.10	28.21	28.03	29.15	28.48	35.30
0:00:45	28.45	28.19	29.49	28.73	28.10	28.21	28.03	29.25	28.48	35.89
0:00:50	28.45	28.09	29.49	28.73	28.10	28.21	28.03	29.44	28.48	36.28
0:00:55	28.45	28.09	29.49	28.73	28.10	28.21	28.03	29.54	28.38	36.57
0:01:00	28.45	27.99	29.49	28.73	28.10	28.21	28.03	29.64	28.38	37.05
0:01:05	28.45	27.99	29.49	28.73	28.10	28.21	28.03	29.84	28.38	37.44
0:01:10	28.45	27.99	29.49	28.73	28.10	28.21	28.03	29.84	28.38	37.54
0:01:15	28.45	27.99	29.49	28.73	28.10	28.21	28.03	29.93	28.48	37.83
2:45:50	65.12	65.34	64.62	65.49	65.56	66.08	63.03	67.88	64.80	87.43
2:45:55	65.12	65.34	64.62	65.49	65.66	66.08	63.03	67.88	64.70	87.33
2:46:00	65.12	65.34	64.62	65.49	65.66	66.08	63.03	67.88	64.80	87.33
2:46:05	65.22	65.44	64.72	65.58	65.66	66.18	63.13	67.78	64.90	87.33
2:46:10	65.22	65.44	64.72	65.58	65.66	66.18	63.13	67.88	64.90	87.43
2:46:15	65.22	65.44	64.81	65.58	65.76	66.18	63.13	67.88	64.90	87.33
2:46:20	65.22	65.44	64.72	65.58	65.76	66.18	63.13	67.97	64.90	87.33
2:46:25	65.22	65.44	64.72	65.58	65.76	66.18	63.13	68.07	64.80	87.43
2:46:30	65.22	65.44	64.81	65.58	65.76	66.18	63.13	67.97	64.90	87.43
2:46:35	65.32	65.54	64.81	65.68	65.86	66.28	63.23	67.97	64.90	87.33
2:46:40	65.32	65.54	64.90	65.78	65.86	66.38	63.33	68.07	64.90	87.53
2:46:45	65.32	65.54	64.81	65.68	65.86	66.28	63.23	67.97	64.90	87.43
2:46:50	65.32	65.54	64.81	65.68	65.86	66.28	63.23	68.07	64.90	87.33
2:46:55	65.32	65.54	64.90	65.68	65.86	66.28	63.23	68.07	64.90	87.43
2:47:00	65.41	65.64	64.90	65.78	65.86	66.38	63.33	68.27	64.90	87.43

Lampiran 8 Data Suhu Terkalibrasi 900 mLPM

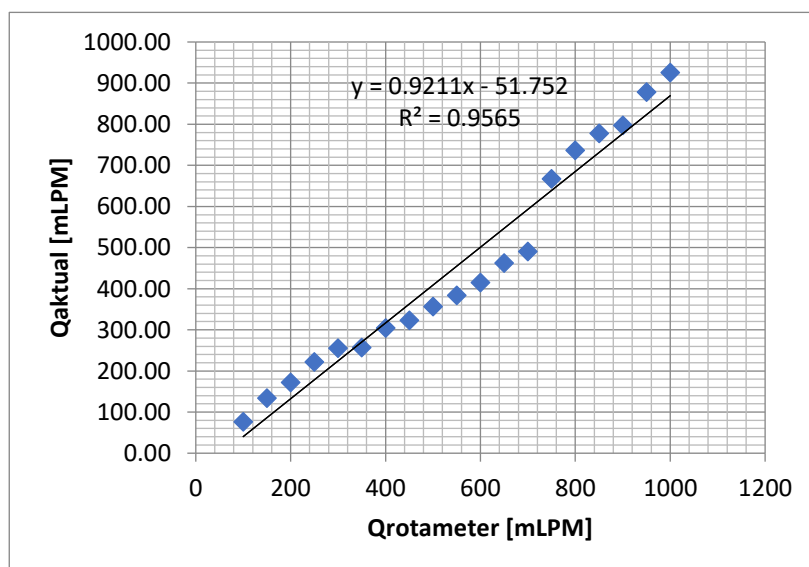
Waktu	CH1	CH2	CH3	CH4	CH5	CH6	CH7	CH8	CH9	CH10
0:00:00	25.69	25.96	26.76	27.28	26.86	26.72	26.26	28.21	26.38	25.54
0:00:05	25.69	25.96	26.86	27.19	27.06	26.72	26.36	28.30	26.86	26.33
0:00:10	25.69	25.96	26.96	27.28	27.06	26.72	26.36	28.21	26.86	26.33
0:00:15	25.79	26.06	27.06	27.28	27.06	26.82	26.36	28.50	26.86	26.23
0:00:20	25.79	26.06	26.86	27.28	27.26	26.72	26.36	28.50	26.96	26.23
0:00:25	25.79	26.06	27.26	27.28	27.26	26.82	26.36	28.40	26.96	26.42
0:00:30	25.89	26.06	27.56	27.28	27.36	26.82	26.46	28.59	26.96	26.62
0:00:35	25.89	26.06	27.36	27.28	27.56	26.82	26.46	28.59	26.96	26.52
0:00:40	25.89	26.16	27.46	27.28	27.66	26.82	26.46	28.50	26.96	26.72
0:00:45	25.99	26.16	27.16	27.28	27.46	26.82	26.46	29.08	26.96	26.62
0:00:50	25.99	26.16	27.26	27.38	27.56	26.92	26.56	28.69	27.05	26.62
0:00:55	25.99	26.26	27.66	27.38	27.56	26.92	26.56	28.79	27.05	26.72
0:01:00	26.09	26.26	27.76	27.38	27.56	26.92	26.56	28.59	27.05	26.62
0:01:05	26.09	26.26	26.76	27.38	27.16	26.92	26.56	28.50	27.05	26.42
0:01:10	26.19	26.36	28.06	27.48	27.36	27.02	26.66	28.98	27.05	26.72
0:01:15	26.19	26.36	27.26	27.58	27.56	27.02	26.66	28.88	27.05	26.62
2:57:10	65.51	65.81	66.54	66.35	67.22	66.51	65.84	66.76	65.61	66.50
2:57:15	65.51	65.81	66.44	66.35	67.32	66.51	65.84	66.28	65.61	66.11
2:57:20	65.51	65.81	66.04	66.35	67.22	66.51	65.84	66.47	65.61	66.50
2:57:25	65.51	65.91	66.64	66.35	67.32	66.51	65.84	66.76	65.61	66.30
2:57:30	65.51	65.91	66.54	66.35	67.02	66.61	65.84	66.28	65.70	66.21
2:57:35	65.51	65.91	66.44	66.35	67.02	66.61	65.94	66.66	65.70	66.21
2:57:40	65.51	65.91	66.74	66.35	67.32	66.61	65.94	66.37	65.70	66.30
2:57:45	65.51	65.91	66.44	66.44	67.32	66.61	65.94	66.66	65.70	66.80
2:57:50	65.61	65.91	66.64	66.44	67.02	66.61	65.94	66.76	65.70	66.60
2:57:55	65.61	65.91	66.74	66.44	67.42	66.61	65.94	66.47	65.70	66.70
2:58:00	65.61	66.01	66.74	66.44	66.92	66.71	65.94	66.57	65.70	66.60
2:58:05	65.61	66.01	66.34	66.44	67.32	66.71	65.94	66.37	65.70	66.60
2:58:10	65.61	65.91	66.94	66.44	67.42	66.61	65.94	66.86	65.80	66.70
2:58:15	65.61	65.91	66.54	66.44	67.32	66.61	65.94	66.57	65.80	66.30
2:58:20	65.71	66.01	66.54	66.44	67.32	66.71	65.94	66.57	65.80	66.80

Waktu	CH11	CH12	CH13	CH14	CH15	CH16	CH17	CH18	CH19	CH20
0:00:00	25.76	25.83	25.91	27.22	26.47	25.66	27.63	27.12	27.74	27.78
0:00:05	26.25	26.32	26.40	27.99	26.76	26.35	27.44	27.02	27.93	28.06
0:00:10	26.35	26.42	26.40	27.90	27.26	26.45	27.83	26.83	28.02	28.44
0:00:15	26.35	26.42	26.40	28.09	27.45	26.65	27.73	27.12	28.02	28.06
0:00:20	26.35	26.42	26.40	28.09	27.26	26.45	28.02	26.63	28.21	28.35
0:00:25	26.35	26.52	26.40	28.09	27.26	26.65	27.92	26.73	27.83	28.25
0:00:30	26.35	26.52	26.40	28.09	28.24	26.55	27.92	27.22	27.83	28.54
0:00:35	26.35	26.52	26.40	28.18	27.65	26.65	27.92	26.93	28.12	28.73
0:00:40	26.35	26.62	26.40	28.38	27.16	26.85	27.92	26.73	27.93	28.83
0:00:45	26.35	26.62	26.40	28.18	27.45	26.55	27.54	27.02	27.83	28.16
0:00:50	26.35	26.62	26.30	28.57	27.75	26.65	27.83	26.83	28.12	28.63
0:00:55	26.35	26.62	26.40	28.38	27.55	26.55	27.83	27.22	28.21	28.63
0:01:00	26.35	26.62	26.40	27.99	27.06	26.65	27.83	26.93	28.12	28.44
0:01:05	26.35	26.62	26.30	28.18	28.44	26.35	27.92	27.22	28.02	28.16
0:01:10	26.35	26.62	26.30	28.57	27.26	27.34	27.92	26.73	27.93	28.16
0:01:15	26.35	26.62	26.30	28.38	29.13	26.65	28.02	26.63	28.12	28.83
2:57:10	65.83	66.37	65.01	66.89	66.41	65.94	66.48	65.99	65.94	66.98
2:57:15	65.83	66.37	65.01	67.47	68.08	66.43	66.96	65.99	65.94	67.17
2:57:20	65.93	66.37	65.01	67.85	66.60	65.94	66.19	65.99	66.03	67.36
2:57:25	65.93	66.28	65.01	66.99	66.70	66.04	66.19	66.18	65.94	67.08
2:57:30	65.93	66.37	65.11	67.66	67.49	66.53	66.48	66.08	66.13	67.17
2:57:35	65.93	66.47	65.11	66.89	67.00	66.63	66.86	65.99	66.03	66.98
2:57:40	65.93	66.37	65.11	67.56	68.47	66.04	66.48	66.47	65.84	67.46
2:57:45	65.93	66.37	65.11	66.99	67.79	66.33	66.57	66.38	66.03	67.17
2:57:50	66.03	66.47	65.11	67.28	66.60	66.63	66.38	66.28	66.03	66.89
2:57:55	66.03	66.47	65.11	67.76	67.19	66.23	66.77	66.47	66.22	67.74
2:58:00	66.03	66.57	65.21	67.28	67.19	66.23	66.38	65.99	66.03	67.17
2:58:05	66.03	66.57	65.21	67.56	67.10	66.53	66.48	66.57	66.03	67.46
2:58:10	66.03	66.57	65.21	67.18	66.90	66.33	66.19	65.89	66.13	67.27
2:58:15	66.13	66.57	65.21	67.56	66.70	66.82	67.06	66.47	66.03	67.17
2:58:20	66.13	66.57	65.21	67.18	67.10	66.23	66.86	66.77	66.32	67.94

Waktu	CH21	CH22	CH23	CH24	CH25	CH26	CH27	CH28	CH29	CH30
0:00:00	26.99	26.52	28.08	27.28	26.29	26.41	26.43	27.97	30.48	35.50
0:00:05	26.99	26.52	28.08	27.28	26.29	26.51	26.53	28.07	30.58	36.08
0:00:10	26.99	26.52	28.08	27.28	26.29	26.51	26.53	28.17	30.58	36.37
0:00:15	26.99	26.52	28.08	27.28	26.29	26.51	26.53	28.27	30.58	36.57
0:00:20	26.90	26.52	28.08	27.28	26.29	26.51	26.43	28.27	30.48	36.66
0:00:25	26.90	26.52	28.08	27.28	26.29	26.51	26.43	28.37	30.48	37.05
0:00:30	26.90	26.52	28.08	27.28	26.29	26.51	26.43	28.46	30.48	37.44
0:00:35	26.90	26.52	28.08	27.19	26.29	26.51	26.53	28.56	30.58	37.73
0:00:40	26.90	26.52	28.08	27.28	26.29	26.51	26.53	28.66	30.58	38.03
0:00:45	26.90	26.52	27.99	27.28	26.29	26.61	26.53	28.76	30.68	38.12
0:00:50	26.99	26.52	28.08	27.28	26.29	26.61	26.53	28.86	30.68	38.42
0:00:55	26.90	26.52	28.08	27.28	26.29	26.61	26.53	28.86	30.78	38.61
0:01:00	26.99	26.52	28.08	27.28	26.29	26.51	26.53	28.95	30.88	38.80
0:01:05	26.99	26.52	28.08	27.28	26.29	26.61	26.53	28.86	30.98	39.00
0:01:10	26.99	26.52	28.08	27.28	26.29	26.61	26.53	28.66	30.98	39.29
0:01:15	26.99	26.52	28.08	27.28	26.29	26.61	26.53	28.56	31.08	39.39
2:57:10	65.80	66.03	65.19	66.26	65.06	65.78	62.83	67.78	69.20	86.26
2:57:15	65.80	66.03	65.28	66.26	65.16	65.78	62.83	67.78	69.20	86.26
2:57:20	65.90	66.03	65.28	66.26	65.16	65.78	62.83	67.88	69.20	86.16
2:57:25	65.90	66.03	65.28	66.36	65.16	65.78	62.83	67.88	69.30	86.26
2:57:30	65.90	66.13	65.28	66.26	65.16	65.78	62.83	67.88	69.30	86.26
2:57:35	65.90	66.13	65.28	66.36	65.16	65.88	62.83	67.97	69.30	86.36
2:57:40	65.80	66.13	65.28	66.26	65.16	65.78	62.83	67.78	69.20	86.26
2:57:45	66.48	66.13	65.28	66.26	65.16	65.78	62.83	67.97	69.20	86.26
2:57:50	65.80	66.13	65.28	66.26	65.16	65.88	62.83	68.07	69.20	86.26
2:57:55	65.90	66.23	65.37	66.45	65.26	65.88	62.93	67.97	69.40	86.26
2:58:00	65.90	66.23	65.37	66.36	65.26	65.88	62.93	68.07	69.30	86.26
2:58:05	66.00	66.23	65.37	66.45	65.26	65.98	63.03	67.88	69.40	86.26
2:58:10	65.90	66.13	65.37	66.36	65.36	65.98	63.03	67.97	69.30	86.36
2:58:15	66.00	66.23	65.37	66.36	65.36	65.98	63.03	67.97	69.40	86.36
2:58:20	66.00	66.23	65.47	66.45	65.36	65.98	63.03	68.07	69.50	86.46

Lampiran 9 Kalibrasi Debit

No.	Rotameter	DC Power Supply		Debit Aktual		Suhu Air		mLPM Q aktual
		Voltase	Arus	Volume	Waktu	Awal	Akhir	
	[mLPM]	[Volt]	[Ampere]	[mL]	[detik]	[°C]	[°C]	
1	100	8.5	1.28	100	78.16	27	27	76.77
2	150	8.5	1.26	100	44.6	27	27	134.53
3	200	8.5	1.23	100	34.83	27	27	172.27
4	250	8.5	1.2	100	27	27	27	222.22
5	300	8.5	1.23	100	23.45	27	27	255.86
6	350	8.5	1.2	100	23.29	27	27	257.62
7	400	8.5	1.19	100	19.7	27	27	304.57
8	450	8.5	1.18	100	18.55	27	27	323.45
9	500	8.5	1.17	100	16.82	27	27	356.72
10	550	8.5	1.16	100	15.62	27	27	384.12
11	600	8.5	1.15	100	14.45	27	27	415.22
12	650	8.5	1.14	100	12.97	27	27	462.61
13	700	8.5	1.12	100	12.22	27	27	491.00
14	750	8.5	1.06	100	8.99	27	27	667.41
15	800	8.5	1.05	100	8.14	27	27	737.10
16	850	8.5	1.03	100	7.71	27	27	778.21
17	900	8.5	1.02	100	7.52	27	27	797.87
18	950	8.5	1.01	100	6.83	27	27	878.48
19	1000	8.5	0.99	100	6.48	27	27	925.93



Q rotameter mLPM	Q aktual mLPM
600	500.908
700	593.018
800	685.128
900	777.238