

Lampiran 1. Data 1 LPM

NO.	Waktu	CH1	CH2	CH3	CH4	CH5	CH6	CH7	CH8	CH9	CH10	CH11	CH12	CH13	CH14	CH15	CH16
0	0:00:00	68	68.5	68.1	69	68.7	69.1	68.2	67.8	70	69.5	70	70.2	69.2	69	69.1	69.6
1	0:00:05	68	68.5	68.1	69	68.6	69.1	68.2	67.8	70	69.5	70	70.2	69.2	69.1	69.1	69.6
2	0:00:10	68	68.5	68.1	69	68.6	69.1	68.2	67.8	70	69.5	70	70.2	69.2	69.1	69.1	69.6
3	0:00:15	68.4	69	68.6	69.4	69.1	69.6	68.7	68.3	70	69.5	70	70.2	69.2	69.1	69.1	69.6
4	0:00:20	68.4	68.9	68.6	69.4	69.1	69.6	68.7	68.3	70	69.5	70	70.1	69.2	69.1	69.1	69.6
5	0:00:25	68.4	68.9	68.6	69.4	69.1	69.6	68.7	68.3	70	69.5	70	70.1	69.2	69.1	69	69.5
6	0:00:30	68.4	68.9	68.6	69.4	69.1	69.6	68.7	68.2	70	69.5	70	70.1	69.3	69	69	69.5
7	0:00:35	68.4	68.9	68.5	69.4	69.1	69.6	68.6	68.2	70	69.5	70	70.1	69.3	69	69	69.5
8	0:00:40	68.3	68.9	68.5	69.4	69.1	69.6	68.6	68.2	70	69.5	70	70.1	69.3	69	69	69.5
9	0:00:45	68.3	68.9	68.5	69.4	69.1	69.6	68.6	68.2	70	69.5	70	70.1	69.3	69	69	69.5
10	0:00:50	68.3	68.9	68.5	69.4	69.1	69.6	68.6	68.2	69.9	69.5	70	70.1	69.3	69	69	69.6
11	0:00:55	68.3	68.9	68.5	69.4	69.1	69.6	68.6	68.2	70	69.5	70	70.1	69.3	69	69	69.5
12	0:01:00	68.3	68.9	68.5	69.4	69.1	69.6	68.6	68.2	69.9	69.5	70	70.1	69.3	69	69	69.5
13	0:01:05	68.2	68.8	68.5	69.4	69.1	69.6	68.6	68.2	69.9	69.5	70	70.1	69.3	69	69	69.5
14	0:01:10	68.2	68.8	68.5	69.4	69.1	69.6	68.6	68.2	69.9	69.5	70	70.1	69.3	68.9	68.9	69.4
15	0:01:15	68.2	68.8	68.5	69.3	69.1	69.6	68.6	68.1	69.9	69.5	70	70	69.3	69	68.9	69.4
16	0:01:20	68.2	68.8	68.4	69.3	69	69.6	68.5	68.1	69.9	69.4	70	70	69.3	68.9	68.9	69.4
17	0:01:25	68.2	68.8	68.4	69.3	69	69.6	68.5	68.1	69.9	69.4	70	70	69.3	68.9	68.9	69.4
18	0:01:30	68.1	68.8	68.4	69.3	69	69.6	68.5	68.1	69.9	69.4	70	70	69.4	68.9	68.9	69.4
19	0:01:35	68.1	68.8	68.4	69.3	69	69.6	68.5	68.1	69.9	69.4	70	70	69.4	68.9	68.9	69.4
20	0:01:40	68.1	68.7	68.4	69.3	69	69.6	68.5	68.1	69.9	69.4	70	70	69.4	68.9	68.9	69.4
21	0:01:45	68.1	68.7	68.4	69.3	69	69.6	68.5	68	69.9	69.4	70	70	69.4	68.9	68.9	69.4
22	0:01:50	68.1	68.7	68.4	69.3	69	69.5	68.5	68	69.9	69.4	70	70	69.4	68.9	68.9	69.3
23	0:01:55	68.1	68.7	68.4	69.3	69	69.6	68.4	68	69.8	69.4	70	70	69.4	68.9	68.8	69.3
3225	4:28:45	30.6	30.5	30.4	30.4	30.4	30.5	30.5	30.7	30.5	30.4	30.4	30.4	30.5	30.4	30.4	30.5
3226	4:28:50	30.6	30.5	30.4	30.4	30.5	30.5	30.5	30.7	30.6	30.4	30.4	30.5	30.5	30.5	30.5	30.6
3227	4:28:55	30.6	30.5	30.4	30.4	30.5	30.5	30.5	30.7	30.6	30.5	30.4	30.5	30.5	30.5	30.5	30.6
3228	4:29:00	30.6	30.5	30.4	30.4	30.5	30.5	30.5	30.7	30.6	30.4	30.4	30.5	30.5	30.5	30.5	30.6
3229	4:29:05	30.6	30.5	30.4	30.4	30.5	30.5	30.5	30.7	30.5	30.4	30.4	30.4	30.5	30.4	30.4	30.5
3230	4:29:10	30.6	30.4	30.3	30.4	30.4	30.5	30.4	30.7	30.5	30.4	30.4	30.4	30.5	30.4	30.4	30.5
3231	4:29:15	30.6	30.4	30.3	30.4	30.4	30.5	30.5	30.7	30.5	30.4	30.4	30.4	30.5	30.4	30.4	30.5
3232	4:29:20	30.6	30.4	30.3	30.4	30.4	30.5	30.4	30.7	30.6	30.4	30.4	30.5	30.5	30.5	30.5	30.6
3233	4:29:25	30.6	30.4	30.3	30.4	30.4	30.5	30.5	30.7	30.6	30.4	30.4	30.5	30.5	30.5	30.5	30.6
3234	4:29:30	30.5	30.4	30.3	30.4	30.4	30.5	30.5	30.7	30.6	30.4	30.4	30.5	30.5	30.5	30.5	30.6
3235	4:29:35	30.6	30.4	30.3	30.4	30.4	30.5	30.4	30.7	30.6	30.4	30.5	30.5	30.5	30.5	30.5	30.6
3236	4:29:40	30.5	30.4	30.3	30.4	30.4	30.5	30.5	30.7	30.6	30.5	30.4	30.5	30.5	30.5	30.5	30.6
3237	4:29:45	30.5	30.4	30.3	30.4	30.4	30.5	30.4	30.6	30.6	30.4	30.5	30.5	30.5	30.4	30.4	30.6
3238	4:29:50	30.6	30.4	30.4	30.4	30.5	30.5	30.5	30.7	30.6	30.5	30.5	30.5	30.5	30.5	30.4	30.6
3239	4:29:55	30.6	30.5	30.4	30.4	30.5	30.5	30.5	30.7	30.6	30.4	30.4	30.5	30.5	30.5	30.4	30.6
3240	4:30:00	30.6	30.4	30.3	30.4	30.4	30.5	30.5	30.6	30.6	30.5	30.5	30.5	30.5	30.5	30.4	30.6
3241	4:30:05	30.6	30.4	30.3	30.4	30.4	30.5	30.4	30.6	30.6	30.4	30.4	30.5	30.5	30.4	30.4	30.6
3242	4:30:10	30.6	30.4	30.3	30.4	30.4	30.5	30.5	30.6	30.6	30.5	30.5	30.5	30.5	30.4	30.4	30.6

Lampiran 1. Data 1 LPM

NO.	Waktu	CH17	CH18	CH19	CH20	CH21	CH22	CH23	CH24	CH25	CH26	CH27	CH28	CH31	CH32
0	0:00:00	69.1	69.2	69.6	69.9	69.2	69.2	68.9	69.4	66.7	67.2	64.6	69.2	28.8	26.1
1	0:00:05	69.1	69.2	69.6	69.9	69.2	69.2	68.9	69.4	66.7	67.2	64.6	69.2	28.2	26.3
2	0:00:10	69.6	69.7	70	70.4	69.7	69.7	69.4	69.9	67.2	67.7	65.1	69.7	28.3	26.9
3	0:00:15	69.6	69.7	70	70.4	69.7	69.7	69.4	69.9	67.2	67.7	65.1	69.7	28.2	26.9
4	0:00:20	69.6	69.6	70	70.4	69.7	69.7	69.4	69.9	67.2	67.7	65.1	69.7	28.2	27.2
5	0:00:25	69.6	69.6	70	70.4	69.7	69.7	69.5	69.8	67.2	67.7	65.1	69.7	28.3	33.1
6	0:00:30	69.6	69.6	70	70.4	69.7	69.7	69.5	69.8	67.2	67.6	65.1	69.7	28.2	68.1
7	0:00:35	69.6	69.6	70	70.4	69.7	69.7	69.5	69.8	67.3	67.6	65.1	69.7	28.2	38.4
8	0:00:40	69.6	69.6	70	70.4	69.7	69.7	69.5	69.9	67.3	67.6	65.1	69.7	28.2	36.5
9	0:00:45	69.6	69.7	70	70.4	69.7	69.7	69.5	69.9	67.3	67.6	65.1	69.7	28.2	39.6
10	0:00:50	69.6	69.7	70	70.4	69.7	69.7	69.5	69.9	67.3	67.6	65.1	69.7	28.2	41.5
11	0:00:55	69.5	69.6	69.9	70.3	69.6	69.6	69.4	69.8	67.3	67.6	65.1	69.7	28.2	50.9
12	0:01:00	69.5	69.6	69.9	70.3	69.6	69.6	69.5	69.8	67.3	67.6	65.1	69.7	28.2	51.4
13	0:01:05	69.5	69.6	69.9	70.3	69.6	69.6	69.4	69.8	67.3	67.6	65.1	69.7	28.2	52.6
14	0:01:10	69.5	69.6	69.9	70.2	69.5	69.6	69.5	69.8	67.3	67.6	65.1	69.6	28.1	57
15	0:01:15	69.4	69.6	69.9	70.2	69.5	69.6	69.5	69.7	67.3	67.6	65.1	69.6	28.2	58.2
16	0:01:20	69.4	69.6	69.8	70.1	69.5	69.6	69.5	69.7	67.3	67.6	65.1	69.6	28.1	61
17	0:01:25	69.4	69.6	69.8	70.2	69.5	69.6	69.5	69.8	67.3	67.6	65.1	69.6	28.1	59.7
18	0:01:30	69.4	69.5	69.9	70.2	69.5	69.6	69.5	69.7	67.3	67.6	65.1	69.6	28.1	59.1
19	0:01:35	69.5	69.6	69.9	70.2	69.6	69.6	69.5	69.8	67.3	67.6	65.1	69.6	28.1	59.4
20	0:01:40	69.5	69.6	69.9	70.2	69.5	69.6	69.5	69.8	67.3	67.6	65.1	69.6	28.1	60.6
21	0:01:45	69.5	69.6	69.9	70.3	69.5	69.6	69.5	69.8	67.3	67.5	65.1	69.6	28.2	59.9
22	0:01:50	69.4	69.6	69.9	70.2	69.5	69.6	69.5	69.7	67.3	67.5	65.1	69.6	28.1	60.4
23	0:01:55	69.4	69.6	69.9	70.2	69.5	69.6	69.5	69.7	67.3	67.5	65.1	69.6	28.1	60.4
3225	4:28:45	30.7	30.6	30.6	30.7	30.7	30.7	30.7	30.8	29.6	29.7	29.8	29.9	30.2	35.4
3226	4:28:50	30.7	30.6	30.6	30.7	30.7	30.7	30.7	30.8	29.6	29.7	29.8	29.9	30.2	35.4
3227	4:28:55	30.7	30.6	30.6	30.7	30.7	30.7	30.7	30.8	29.6	29.6	29.8	29.9	30.2	35.4
3228	4:29:00	30.7	30.6	30.6	30.7	30.7	30.7	30.7	30.8	29.6	29.7	29.8	29.9	30.2	35.4
3229	4:29:05	30.7	30.6	30.6	30.7	30.7	30.7	30.7	30.8	29.6	29.7	29.8	29.9	30.2	35.4
3230	4:29:10	30.7	30.6	30.6	30.7	30.7	30.7	30.7	30.8	29.6	29.7	29.8	29.9	30.2	35.4
3231	4:29:15	30.7	30.6	30.6	30.7	30.7	30.7	30.7	30.8	29.6	29.7	29.8	29.9	30.2	35.4
3232	4:29:20	30.7	30.6	30.6	30.7	30.7	30.7	30.7	30.8	29.6	29.7	29.8	29.9	30.2	35.4
3233	4:29:25	30.7	30.6	30.6	30.7	30.7	30.7	30.7	30.8	29.6	29.6	29.8	29.9	30.2	35.4
3234	4:29:30	30.7	30.6	30.6	30.7	30.7	30.7	30.7	30.8	29.6	29.7	29.8	29.9	30.2	35.4
3235	4:29:35	30.7	30.6	30.6	30.7	30.7	30.7	30.7	30.8	29.6	29.7	29.8	30	29.9	35.4
3236	4:29:40	30.7	30.6	30.6	30.7	30.7	30.7	30.7	30.8	29.6	29.7	29.8	30	30.1	35.4
3237	4:29:45	30.7	30.6	30.6	30.7	30.7	30.7	30.7	30.8	29.6	29.7	29.8	30	30.1	35.3
3238	4:29:50	30.6	30.5	30.6	30.6	30.7	30.6	30.6	30.7	29.6	29.7	29.8	30	30.1	35.3
3239	4:29:55	30.6	30.5	30.6	30.6	30.7	30.6	30.6	30.7	29.6	29.6	29.8	30	30	35.3
3240	4:30:00	30.6	30.5	30.6	30.6	30.7	30.6	30.6	30.7	29.6	29.7	29.8	30	30	35.3
3241	4:30:05	30.6	30.5	30.5	30.6	30.7	30.6	30.6	30.7	29.6	29.7	29.8	30	30	35.2
3242	4:30:10	30.6	30.5	30.6	30.6	30.7	30.6	30.6	30.7	29.6	29.7	29.8	30	30	35.2

Lampiran 2. Data 1,5 LPM

NO.	Waktu	CH1	CH2	CH3	CH4	CH5	CH6	CH7	CH8	CH9	CH10	CH11	CH12	CH13	CH14	CH15	CH16
0	0:00:00	69.2	69.2	70.3	69.9	70.2	69.2	68.8	69.6	70	70.6	69.8	70.2	69.2	71.2	71.2	69.7
1	0:00:05	69.2	69.7	69.1	70.1	69.6	69.8	69.2	68.8	70.6	70	70.4	70.6	70	70	69.8	70
2	0:00:10	69.1	69.7	69.1	70	69.6	69.8	69.2	68.7	70.5	70	70.4	70.6	70	70	69.7	70
3	0:00:15	69.1	69.7	69.1	70	69.6	69.8	69.2	68.7	70.5	70	70.4	70.6	70.1	70	69.7	70
4	0:00:20	69.1	69.6	69.1	70	69.6	69.9	69.2	68.7	70.5	70	70.4	70.6	70.1	70	69.8	70
5	0:00:25	69.1	69.6	69.1	70	69.6	69.8	69.2	68.6	70.5	70	70.4	70.6	70.1	70	69.8	70
6	0:00:30	69	69.6	69.1	69.9	69.6	69.9	69.1	68.6	70.5	70	70.4	70.6	70.1	69.9	69.8	70
7	0:00:35	69	69.6	69.1	69.9	69.6	69.9	69.1	68.6	70.5	70	70.4	70.6	70.1	69.9	69.7	70
8	0:00:40	69	69.6	69.1	69.9	69.6	69.9	69.1	68.6	70.5	70	70.4	70.6	70.1	69.9	69.7	70
9	0:00:45	69	69.5	69.1	69.9	69.6	69.9	69.1	68.6	70.4	70	70.5	70.5	70.1	69.9	69.7	70
10	0:00:50	68.9	69.5	69.1	69.9	69.6	69.9	69.1	68.6	70.5	70	70.4	70.5	70.1	69.9	69.7	69.9
11	0:00:55	68.9	69.5	69.1	69.9	69.5	69.9	69.1	68.6	70.5	70	70.4	70.5	70.1	69.9	69.7	69.9
12	0:01:00	68.9	69.5	69.1	69.9	69.5	69.9	69.1	68.6	70.4	70	70.4	70.5	70.1	69.9	69.7	69.9
13	0:01:05	68.9	69.5	69	69.8	69.5	69.9	69	68.5	70.4	69.9	70.4	70.5	70.2	69.8	69.7	69.9
14	0:01:10	68.8	69.5	69	69.8	69.5	69.9	69	68.5	70.4	69.9	70.5	70.5	70.2	69.8	69.7	69.8
15	0:01:15	68.8	69.5	69	69.8	69.5	69.9	69	68.5	70.4	69.9	70.4	70.4	70.2	69.8	69.6	69.8
16	0:01:20	68.8	69.5	69	69.8	69.5	69.9	69	68.5	70.4	69.9	70.4	70.5	70.2	69.8	69.6	69.8
17	0:01:25	68.9	69.5	69	69.8	69.6	69.9	69	68.5	70.4	69.9	70.4	70.4	70.2	69.8	69.6	69.8
18	0:01:30	68.8	69.5	69	69.8	69.6	69.9	69	68.5	70.4	69.9	70.4	70.4	70.2	69.8	69.6	69.8
19	0:01:35	68.8	69.5	69	69.8	69.5	69.9	69	68.5	70.4	69.9	70.4	70.4	70.2	69.8	69.6	69.8
20	0:01:40	68.7	69.4	69	69.8	69.5	69.9	69	68.4	70.3	69.9	70.4	70.4	70.2	69.8	69.6	69.8
21	0:01:45	68.7	69.4	68.9	69.7	69.5	69.9	68.9	68.4	70.3	69.8	70.4	70.4	70.2	69.7	69.5	69.8
22	0:01:50	68.6	69.4	68.9	69.7	69.5	69.9	68.9	68.4	70.3	69.8	70.4	70.4	70.2	69.7	69.5	69.8
23	0:01:55	68.6	69.4	68.9	69.7	69.5	69.9	68.9	68.3	70.3	69.8	70.4	70.4	70.2	69.7	69.5	69.7
2948	4:05:40	30.5	30.4	30.5	30.4	30.4	30.4	30.4	30.5	30.3	30.2	30.2	30.2	30.5	30.7	30.6	30.5
2949	4:05:45	30.5	30.4	30.5	30.4	30.4	30.4	30.4	30.5	30.3	30.2	30.2	30.2	30.5	30.7	30.6	30.5
2950	4:05:50	30.5	30.4	30.4	30.4	30.4	30.4	30.4	30.5	30.4	30.3	30.2	30.3	30.6	30.7	30.7	30.5
2951	4:05:55	30.5	30.4	30.5	30.4	30.4	30.4	30.4	30.5	30.4	30.3	30.2	30.3	30.6	30.7	30.7	30.5
2952	4:06:00	30.5	30.4	30.4	30.4	30.4	30.4	30.4	30.5	30.4	30.2	30.2	30.3	30.6	30.7	30.7	30.5
2953	4:06:05	30.5	30.4	30.5	30.4	30.4	30.4	30.4	30.5	30.4	30.3	30.2	30.3	30.6	30.8	30.7	30.5
2954	4:06:10	30.5	30.4	30.5	30.4	30.4	30.4	30.4	30.5	30.4	30.3	30.2	30.3	30.6	30.7	30.7	30.6
2955	4:06:15	30.6	30.4	30.5	30.4	30.4	30.4	30.4	30.5	30.4	30.3	30.2	30.3	30.6	30.7	30.7	30.5
2956	4:06:20	30.5	30.4	30.5	30.4	30.4	30.4	30.4	30.5	30.4	30.3	30.2	30.3	30.6	30.8	30.7	30.5
2957	4:06:25	30.5	30.4	30.6	30.4	30.4	30.4	30.4	30.5	30.4	30.2	30.2	30.3	30.6	30.7	30.7	30.5
2958	4:06:30	30.5	30.4	30.5	30.4	30.5	30.4	30.4	30.5	30.4	30.3	30.2	30.3	30.6	30.7	30.7	30.5
2959	4:06:35	30.5	30.4	30.4	30.4	30.4	30.4	30.4	30.5	30.4	30.3	30.2	30.3	30.6	30.7	30.6	30.5
2960	4:06:40	30.5	30.4	30.4	30.4	30.4	30.4	30.4	30.5	30.4	30.3	30.2	30.3	30.6	30.7	30.6	30.5
2961	4:06:45	30.5	30.4	30.4	30.5	30.4	30.4	30.4	30.5	30.4	30.3	30.2	30.2	30.6	30.7	30.6	30.4
2962	4:06:50	30.5	30.4	30.4	30.3	30.4	30.4	30.4	30.5	30.4	30.3	30.2	30.3	30.6	30.7	30.6	30.5
2963	4:06:55	30.5	30.4	30.4	30.3	30.4	30.4	30.4	30.6	30.4	30.3	30.2	30.4	30.6	30.7	30.6	30.5
2964	4:07:00	30.5	30.4	30.3	30.5	30.4	30.4	30.3	30.5	30.4	30.4	30.2	30.3	30.6	30.7	30.6	30.5
2965	4:07:05	30.5	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.5	30.2	30.2	30.4	30.6	30.7	30.6	30.5

Lampiran 2. Data 1,5 LPM

NO.	Waktu	CH17	CH18	CH19	CH20	CH21	CH22	CH23	CH24	CH25	CH26	CH27	CH28	CH31	CH32
0	0:00:00	70.8	70.5	70.4	71.6	69.8	69.9	69.2	70	67.6	68.2	65	69.6	35.6	26.5
1	0:00:05	70.1	70.3	70.6	70.9	70.2	70.3	70	70.4	68.4	68.7	65.7	69.6	27.9	27.9
2	0:00:10	70.2	70.3	70.5	70.9	70.2	70.2	70	70.3	68.4	68.7	65.7	69.6	27.8	38.2
3	0:00:15	70.2	70.3	70.5	70.9	70.2	70.2	70	70.3	68.4	68.7	65.7	69.6	27.7	56.7
4	0:00:20	70.2	70.3	70.6	70.9	70.2	70.2	70	70.3	68.4	68.7	65.7	69.6	27.7	58.2
5	0:00:25	70.2	70.3	70.6	70.9	70.3	70.2	70.1	70.3	68.4	68.6	65.7	69.6	27.7	58.4
6	0:00:30	70.1	70.3	70.6	70.9	70.3	70.3	70.1	70.4	68.4	68.6	65.7	69.6	27.7	58.1
7	0:00:35	70.1	70.3	70.6	70.9	70.3	70.3	70.1	70.4	68.4	68.6	65.7	69.6	27.8	57.3
8	0:00:40	70.1	70.3	70.6	70.9	70.3	70.3	70.1	70.4	68.4	68.6	65.7	69.6	27.8	56.4
9	0:00:45	70.1	70.3	70.5	70.9	70.3	70.2	70.1	70.3	68.4	68.6	65.7	69.6	27.8	57.7
10	0:00:50	70.1	70.3	70.5	70.8	70.2	70.2	70.1	70.3	68.4	68.6	65.7	69.6	27.8	58.5
11	0:00:55	70.1	70.3	70.5	70.8	70.2	70.2	70.1	70.3	68.4	68.6	65.7	69.6	27.8	58.7
12	0:01:00	70.1	70.2	70.5	70.8	70.2	70.2	70.1	70.3	68.4	68.6	65.7	69.5	27.8	62.4
13	0:01:05	70.1	70.2	70.5	70.8	70.1	70.2	70.1	70.3	68.4	68.6	65.7	69.5	27.8	61.9
14	0:01:10	70	70.2	70.5	70.8	70.1	70.2	70.1	70.3	68.4	68.6	65.7	69.5	27.8	62.2
15	0:01:15	70	70.2	70.4	70.8	70.1	70.2	70.1	70.3	68.4	68.6	65.7	69.5	27.8	62.3
16	0:01:20	70.1	70.2	70.5	70.8	70.1	70.1	70.1	70.3	68.4	68.5	65.7	69.5	27.8	62.3
17	0:01:25	70.1	70.2	70.5	70.8	70.1	70.1	70.1	70.2	68.4	68.5	65.7	69.5	27.7	62.7
18	0:01:30	70.1	70.2	70.5	70.8	70.1	70.1	70.1	70.2	68.4	68.5	65.7	69.5	27.7	62.9
19	0:01:35	70	70.2	70.5	70.8	70.1	70.1	70.1	70.2	68.4	68.5	65.7	69.5	27.7	62.8
20	0:01:40	70.1	70.3	70.5	70.8	70.1	70.2	70.2	70.3	68.4	68.5	65.7	69.5	27.7	63
21	0:01:45	70.1	70.3	70.5	70.8	70.1	70.2	70.2	70.2	68.4	68.5	65.7	69.4	27.7	63.4
22	0:01:50	70	70.2	70.5	70.8	70.1	70.1	70.2	70.2	68.4	68.5	65.6	69.4	27.8	63
23	0:01:55	70	70.2	70.4	70.7	70	70.1	70.2	70.2	68.4	68.5	65.6	69.4	27.8	62.6
2948	4:05:40	30.6	30.6	30.5	30.6	30.7	30.6	30.6	30.7	29.4	29.5	29.6	29.8	30.2	35.2
2949	4:05:45	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.7	29.4	29.5	29.6	29.7	30.2	35.3
2950	4:05:50	30.6	30.6	30.6	30.6	30.7	30.6	30.6	30.7	29.4	29.5	29.6	29.7	30.2	35.3
2951	4:05:55	30.6	30.6	30.5	30.6	30.7	30.6	30.6	30.6	29.5	29.6	29.7	29.8	30.3	35.3
2952	4:06:00	30.6	30.6	30.5	30.6	30.6	30.6	30.6	30.6	29.5	29.6	29.7	29.8	30.3	35.4
2953	4:06:05	30.6	30.6	30.6	30.6	30.7	30.6	30.6	30.7	29.5	29.6	29.7	29.8	30.3	35.3
2954	4:06:10	30.6	30.6	30.5	30.6	30.7	30.6	30.6	30.7	29.5	29.6	29.7	29.8	30.3	35.3
2955	4:06:15	30.6	30.6	30.6	30.7	30.7	30.6	30.6	30.7	29.5	29.6	29.7	29.8	30.3	35.3
2956	4:06:20	30.6	30.7	30.6	30.6	30.7	30.6	30.6	30.7	29.5	29.6	29.7	29.8	30.3	35.3
2957	4:06:25	30.6	30.6	30.6	30.7	30.7	30.6	30.5	30.7	29.5	29.6	29.6	29.8	30.3	35.3
2958	4:06:30	30.6	30.6	30.6	30.6	30.7	30.6	30.6	30.7	29.5	29.6	29.7	29.9	30.3	35.3
2959	4:06:35	30.6	30.6	30.6	30.6	30.7	30.6	30.6	30.7	29.5	29.6	29.7	29.8	30.3	35.2
2960	4:06:40	30.6	30.6	30.7	30.6	30.7	30.6	30.6	30.7	29.5	29.6	29.7	29.8	30.4	35.2
2961	4:06:45	30.6	30.6	30.6	30.7	30.7	30.7	30.6	30.7	29.5	29.6	29.7	29.8	30.3	35.1
2962	4:06:50	30.6	30.6	30.6	30.6	30.7	30.6	30.6	30.7	29.4	29.6	29.7	29.8	30.3	35.2
2963	4:06:55	30.6	30.5	30.6	30.6	30.7	30.6	30.7	30.6	29.5	29.6	29.7	29.9	30.2	35.2
2964	4:07:00	30.6	30.6	30.6	30.6	30.7	30.6	30.6	30.7	29.4	29.6	29.7	29.9	30.3	35.2
2965	4:07:05	30.5	30.6	30.5	30.5	30.7	30.6	30.6	30.7	29.5	29.6	29.7	29.9	30.3	35.1

Lampiran 2. Data 1,5 LPM

NO.	Waktu	CH1	CH2	CH3	CH4	CH5	CH6	CH7	CH8	CH9	CH10	CH11	CH12	CH13	CH14	CH15	CH16
0	0:00:00	65.2	65.4	66	65.8	66.2	65.6	65.1	65.6	66.2	66.4	66.1	66.3	65.6	67	67	66.3
1	0:00:05	65.5	65.9	65.5	66	65.7	66.1	65.6	65.3	66.3	65.8	66.1	66	65.8	65.8	66	66
2	0:00:10	65.5	65.9	65.6	66	65.8	66.1	65.6	65.4	66.8	66.3	66.6	66.5	66.3	66.4	66.5	66.6
3	0:00:15	65.4	65.9	65.7	66	65.8	66.1	65.6	65.4	66.7	66.3	66.6	66.6	66.3	66.4	66.2	66.6
4	0:00:20	65.4	65.9	65.7	66	65.8	66.1	65.6	65.3	66.7	66.4	66.6	66.6	66.3	66.3	66.1	66.6
5	0:00:25	65.4	65.9	65.7	66	65.8	66.1	65.6	65.2	66.7	66.4	66.6	66.6	66.3	66.3	66.2	66.6
6	0:00:30	65.4	65.9	65.7	66	65.9	66.1	65.5	65.2	66.7	66.4	66.6	66.6	66.3	66.3	66.2	66.6
7	0:00:35	65.3	65.9	65.7	66	65.9	66.1	65.5	65.2	66.7	66.4	66.6	66.6	66.4	66.3	66.2	66.6
8	0:00:40	65.3	65.9	65.7	66	65.9	66.1	65.5	65.2	66.7	66.4	66.6	66.6	66.4	66.2	66.2	66.5
9	0:00:45	65.2	65.8	65.6	65.9	65.8	66	65.5	65.1	66.7	66.5	66.6	66.6	66.4	66.2	66.2	66.4
10	0:00:50	65.2	65.8	65.6	65.9	65.8	66	65.5	65.1	66.7	66.5	66.7	66.6	66.4	66.2	66.2	66.4
11	0:00:55	65.2	65.9	65.6	66	65.9	66.1	65.5	65.2	66.7	66.5	66.6	66.6	66.4	66.2	66.2	66.3
12	0:01:00	65.2	65.9	65.6	66	65.9	66.1	65.5	65.2	66.7	66.5	66.6	66.6	66.4	66.2	66.2	66.3
13	0:01:05	65.1	65.9	65.6	66	65.9	66.1	65.5	65.1	66.7	66.4	66.6	66.6	66.4	66.2	66.1	66.3
14	0:01:10	65.1	65.9	65.5	66	65.9	66.1	65.5	65.1	66.7	66.4	66.6	66.6	66.4	66.2	66.1	66.3
15	0:01:15	65.1	65.8	65.5	66	65.9	66.1	65.5	65.1	66.7	66.4	66.6	66.6	66.4	66.2	66.1	66.3
16	0:01:20	65	65.8	65.5	66	65.9	66.1	65.5	65.1	66.7	66.4	66.6	66.6	66.4	66.2	66.1	66.3
17	0:01:25	65	65.8	65.5	66	65.9	66.1	65.5	65.1	66.7	66.4	66.6	66.6	66.4	66.1	66.1	66.3
18	0:01:30	64.9	65.8	65.5	66	65.8	66	65.5	65.1	66.7	66.3	66.6	66.6	66.5	66.1	66.1	66.3
19	0:01:35	64.9	65.8	65.5	66	65.9	66.1	65.4	65.1	66.7	66.3	66.6	66.6	66.5	66.1	66.1	66.3
20	0:01:40	64.8	65.8	65.5	66	65.9	66.1	65.4	65.1	66.7	66.3	66.6	66.7	66.5	66.1	66.1	66.3
21	0:01:45	64.7	65.8	65.5	66	65.9	66.1	65.4	65.1	66.7	66.3	66.6	66.7	66.5	66.1	66	66.3
22	0:01:50	64.6	65.8	65.5	66	65.9	66.1	65.4	65	66.7	66.4	66.6	66.6	66.5	66.1	66	66.3
23	0:01:55	64.5	65.8	65.5	66	65.8	66.1	65.4	65	66.7	66.3	66.6	66.6	66.5	66	66	66.3
1663	2:18:35	28.6	28.5	28.4	28.5	28.4	28.6	28.4	28.6	28.6	28.4	28.5	28.5	28.7	28.6	28.5	28.5
1664	2:18:40	28.6	28.5	28.4	28.5	28.4	28.6	28.5	28.6	28.6	28.4	28.5	28.5	28.7	28.6	28.5	28.5
1665	2:18:45	28.6	28.5	28.4	28.5	28.4	28.6	28.4	28.6	28.6	28.4	28.5	28.5	28.7	28.6	28.5	28.5
1666	2:18:50	28.6	28.5	28.4	28.5	28.4	28.6	28.4	28.6	28.6	28.4	28.5	28.5	28.7	28.6	28.6	28.5
1667	2:18:55	28.6	28.5	28.4	28.5	28.4	28.6	28.4	28.6	28.6	28.4	28.5	28.5	28.7	28.6	28.6	28.5
1668	2:19:00	28.6	28.5	28.4	28.5	28.4	28.6	28.4	28.6	28.6	28.4	28.5	28.5	28.7	28.6	28.5	28.5
1669	2:19:05	28.6	28.5	28.4	28.5	28.4	28.6	28.4	28.6	28.6	28.4	28.5	28.5	28.7	28.6	28.5	28.5
1670	2:19:10	28.6	28.5	28.4	28.5	28.4	28.6	28.4	28.6	28.6	28.4	28.5	28.5	28.7	28.6	28.5	28.5
1671	2:19:15	28.6	28.5	28.3	28.5	28.4	28.6	28.4	28.6	28.5	28.3	28.4	28.4	28.7	28.6	28.5	28.5
1672	2:19:20	28.6	28.5	28.4	28.5	28.4	28.6	28.4	28.6	28.5	28.3	28.4	28.4	28.7	28.6	28.5	28.5
1673	2:19:25	28.6	28.5	28.4	28.5	28.4	28.6	28.4	28.6	28.5	28.4	28.4	28.4	28.7	28.6	28.5	28.5
1674	2:19:30	28.6	28.5	28.4	28.5	28.4	28.6	28.4	28.6	28.6	28.4	28.5	28.5	28.7	28.6	28.6	28.5
1675	2:19:35	28.6	28.5	28.4	28.5	28.4	28.6	28.4	28.5	28.6	28.4	28.5	28.5	28.7	28.6	28.6	28.5
1676	2:19:40	28.6	28.5	28.4	28.5	28.4	28.6	28.4	28.5	28.6	28.4	28.5	28.5	28.7	28.6	28.6	28.5
1677	2:19:45	28.6	28.5	28.4	28.5	28.4	28.6	28.4	28.6	28.5	28.3	28.4	28.4	28.6	28.6	28.5	28.5
1678	2:19:50	28.6	28.4	28.4	28.5	28.4	28.5	28.4	28.5	28.5	28.3	28.4	28.4	28.6	28.6	28.5	28.5
1679	2:19:55	28.6	28.5	28.4	28.5	28.4	28.6	28.4	28.6	28.5	28.3	28.4	28.4	28.7	28.6	28.5	28.5
1680	2:20:00	28.6	28.5	28.4	28.4	28.4	28.6	28.4	28.6	28.5	28.3	28.4	28.4	28.7	28.6	28.5	28.5
1681	2:20:05	28.6	28.5	28.4	28.4	28.4	28.6	28.4	28.6	28.5	28.3	28.4	28.4	28.7	28.6	28.5	28.5

Lampiran 3. Data 2 LPM

NO.	Waktu	CH17	CH18	CH19	CH20	CH21	CH22	CH23	CH24	CH25	CH26	CH27	CH28	CH31	CH32
0	0:00:00	67.1	66.5	66.4	67.1	66.2	66.1	65.8	66.3	64.2	64.6	61.3	65	34.1	26
1	0:00:05	66.6	67.3	66.7	66.6	66.8	66.7	66.4	66.8	64.3	64.6	61.4	64.7	27.2	38.2
2	0:00:10	66.6	67.2	66.7	66.7	66.7	66.7	66.4	66.7	64.8	65.1	61.9	65.3	27.7	45.1
3	0:00:15	66.6	67.2	66.7	66.8	66.8	66.6	66.4	66.7	64.8	65.1	61.9	65.3	27.8	47.9
4	0:00:20	66.6	67.3	66.8	66.8	66.7	66.7	66.4	66.7	64.8	65	61.9	65.3	27.8	49.5
5	0:00:25	66.7	67.2	66.8	66.8	66.7	66.7	66.4	66.8	64.8	65	61.9	65.3	27.8	50.6
6	0:00:30	66.7	67.2	66.7	66.8	66.7	66.7	66.5	66.8	64.9	65	61.9	65.3	27.8	50.4
7	0:00:35	66.7	67.2	66.8	66.9	66.7	66.7	66.5	66.8	64.9	65	61.9	65.3	27.7	51
8	0:00:40	66.7	67.2	66.8	66.9	66.7	66.7	66.5	66.8	64.9	65	61.9	65.3	27.6	51.3
9	0:00:45	66.7	67.2	66.7	66.9	66.7	66.7	66.5	66.8	64.9	65	61.9	65.3	27.7	52.4
10	0:00:50	66.7	67.2	66.7	66.9	66.7	66.6	66.5	66.8	64.9	65	61.9	65.3	27.9	53.5
11	0:00:55	66.6	67.2	66.8	66.8	66.7	66.6	66.5	66.8	64.9	64.9	61.9	65.4	28	54.3
12	0:01:00	66.6	67.3	66.8	66.8	66.6	66.6	66.5	66.7	64.9	65	61.9	65.4	28	55.5
13	0:01:05	66.5	67.3	66.8	66.8	66.6	66.6	66.5	66.7	64.9	65	61.9	65.4	28.1	55.3
14	0:01:10	66.5	67.2	66.8	66.8	66.5	66.5	66.5	66.7	64.9	65	61.9	65.4	28.1	59
15	0:01:15	66.5	67.4	66.8	66.9	66.5	66.6	66.5	66.7	64.9	65	61.9	65.4	28.1	57.4
16	0:01:20	66.4	67.2	66.8	66.9	66.5	66.5	66.5	66.6	64.8	64.9	61.8	65.3	28	57.8
17	0:01:25	66.5	67.1	66.8	66.9	66.5	66.5	66.5	66.6	64.8	64.9	61.8	65.3	28	57.1
18	0:01:30	66.5	67	66.8	66.9	66.5	66.5	66.6	66.6	64.9	65	61.9	65.4	28.1	57.4
19	0:01:35	66.5	67.1	66.7	66.9	66.5	66.5	66.6	66.6	64.9	65	61.9	65.4	28.2	57.2
20	0:01:40	66.5	67.1	66.7	66.9	66.5	66.5	66.6	66.6	64.9	64.9	61.8	65.4	28.2	57.3
21	0:01:45	66.5	67.1	66.7	66.9	66.5	66.5	66.6	66.7	64.8	64.9	61.8	65.3	28.2	57.4
22	0:01:50	66.5	67.2	66.7	66.9	66.5	66.5	66.6	66.6	64.8	64.8	61.8	65.3	28.2	57.5
23	0:01:55	66.5	67.1	66.7	66.9	66.5	66.5	66.6	66.6	64.8	64.8	61.8	65.3	28.2	58.2
1665	2:18:45	28.6	28.6	28.7	28.6	28.8	28.7	28.7	28.7	27.6	27.7	28	28	27.8	33.6
1666	2:18:50	28.6	28.6	28.6	28.6	28.8	28.7	28.7	28.7	27.6	27.7	27.9	28	27.8	33.5
1667	2:18:55	28.5	28.6	28.6	28.6	28.8	28.7	28.7	28.8	27.6	27.6	27.9	27.9	27.8	33.3
1668	2:19:00	28.6	28.6	28.6	28.6	28.8	28.7	28.7	28.7	27.6	27.6	27.9	27.9	27.8	33.4
1669	2:19:05	28.5	28.5	28.6	28.7	28.8	28.7	28.7	28.7	27.6	27.6	27.9	27.9	27.8	33.5
1670	2:19:10	28.5	28.5	28.6	28.7	28.8	28.7	28.7	28.7	27.6	27.6	27.9	27.9	27.8	33.4
1671	2:19:15	28.5	28.6	28.6	28.7	28.8	28.7	28.7	28.7	27.6	27.6	27.9	27.9	27.8	33.4
1672	2:19:20	28.5	28.5	28.6	28.7	28.8	28.7	28.7	28.7	27.6	27.6	27.9	27.9	27.8	33.3
1673	2:19:25	28.5	28.5	28.6	28.8	28.8	28.7	28.7	28.7	27.6	27.6	27.9	27.9	27.8	33.3
1674	2:19:30	28.6	28.5	28.6	28.8	28.8	28.7	28.7	28.7	27.6	27.6	27.9	27.9	27.8	33.1
1675	2:19:35	28.6	28.6	28.5	28.8	28.8	28.7	28.7	28.7	27.6	27.6	27.9	27.9	27.8	33.4
1676	2:19:40	28.5	28.5	28.5	28.8	28.8	28.7	28.7	28.7	27.6	27.6	27.9	27.9	27.8	33.3
1677	2:19:45	28.5	28.5	28.6	28.8	28.8	28.7	28.7	28.7	27.6	27.6	27.9	27.9	27.8	33.3
1678	2:19:50	28.6	28.6	28.6	28.8	28.8	28.7	28.7	28.7	27.6	27.6	27.9	27.9	27.9	33.2
1679	2:19:55	28.5	28.6	28.6	28.8	28.8	28.7	28.7	28.7	27.6	27.6	27.9	27.9	27.9	33.2
1680	2:20:00	28.6	28.6	28.6	28.8	28.8	28.7	28.7	28.7	27.6	27.6	27.9	27.9	27.9	33.1
1681	2:20:05	28.5	28.6	28.6	28.7	28.8	28.7	28.7	28.7	27.6	27.6	27.9	27.9	27.9	33.1

Lampiran 4. Data 2,5 LPM

NO.	Waktu	CH1	CH2	CH3	CH4	CH5	CH6	CH7	CH8	CH9	CH10	CH11	CH12	CH13	CH14	CH15	CH16
0	0:00:00	67.8	68.3	67.4	68.6	67.4	68.7	67.9	67	69.8	68.5	69.2	69.1	68.4	67.6	67.7	68.7
1	0:00:05	67.8	68.3	67.5	68.6	67.9	68.7	67.9	67.3	69.8	68.5	69.2	68.8	68.4	67.9	68.2	68.7
2	0:00:10	67.7	68.3	67.6	68.5	67.9	68.7	67.9	67.4	69.7	68.6	69.2	68.8	68.4	68.1	68.4	68.8
3	0:00:15	67.6	68.3	67.8	68.5	68	68.7	67.9	67.5	69.7	68.7	69.2	69	68.4	68.3	68.5	68.8
4	0:00:20	67.5	68.2	67.8	68.4	68.1	68.6	67.8	67.6	69.7	68.7	69.2	69	68.4	68.4	68.5	68.9
5	0:00:25	67.4	68.2	67.8	68.4	68.1	68.6	67.8	67.5	69.7	68.8	69.2	69	68.4	68.3	68.5	68.9
6	0:00:30	67.3	68.1	67.8	68.4	68.1	68.6	67.8	67.4	69.6	68.8	69.2	69	68.4	68.3	68.3	68.8
7	0:00:35	67.2	68.1	67.8	68.3	68.1	68.6	67.8	67.4	69.6	68.8	69.2	69.1	68.4	68.3	68.3	68.8
8	0:00:40	67	68.1	67.8	68.3	68.2	68.6	67.8	67.4	69.6	68.8	69.2	69.1	68.5	68.2	68.2	68.9
9	0:00:45	66.9	68.1	67.8	68.3	68.2	68.6	67.8	67.4	69.5	68.8	69.2	69.1	68.5	68.2	67.9	68.8
10	0:00:50	66.7	68.1	67.7	68.3	68.2	68.6	67.8	67.4	69.5	68.9	69.2	69.1	68.5	68.1	68	68.6
11	0:00:55	66.6	68.1	67.6	68.3	68.2	68.6	67.7	67.3	69.5	68.8	69.2	69.1	68.5	68.1	68.1	68.6
12	0:01:00	66.4	68.1	67.6	68.3	68.2	68.6	67.7	67.2	69.5	68.8	69.2	69.1	68.5	67.8	68.1	68.6
13	0:01:05	66.2	68	67.6	68.3	68.1	68.6	67.7	67.1	69.4	68.8	69.2	69.1	68.5	67.7	68.1	68.5
14	0:01:10	66	68	67.6	68.3	68.1	68.6	67.7	67.2	69.4	68.8	69.2	69.1	68.5	67.8	68.1	68.5
15	0:01:15	65.8	68	67.6	68.3	68.1	68.6	67.7	67.2	69.4	68.7	69.2	69.1	68.5	67.9	68.1	68.5
16	0:01:20	65.7	68	67.6	68.3	68.2	68.6	67.7	67.2	69.4	68.7	69.2	69.1	68.5	67.9	68.1	68.5
17	0:01:25	65.4	68	67.6	68.3	68.2	68.6	67.7	67.1	69.4	68.7	69.2	69.1	68.6	67.9	68.1	68.5
18	0:01:30	65.2	68	67.5	68.3	68.1	68.6	67.6	67.1	69.3	68.7	69.1	69	68.5	67.6	68	68.5
19	0:01:35	64.8	68	67.5	68.3	68.1	68.6	67.6	67	69.2	68.6	69.1	69	68.5	67.5	68	68.4
20	0:01:40	64.5	68	67.5	68.3	68.1	68.6	67.6	66.8	69.2	68.6	69.1	69	68.5	67.2	67.9	68.4
21	0:01:45	64.3	67.9	67.6	68.3	68.1	68.6	67.6	66.7	69.2	68.6	69.1	69	68.6	66.9	67.7	68.4
22	0:01:50	64	67.9	67.5	68.3	68.1	68.6	67.5	66.4	69.2	68.6	69.1	69	68.5	65.2	67.6	68.4
23	0:01:55	63.6	67.9	67.5	68.3	66.6	68.6	67.4	65.2	69.2	68.5	69.1	69	68.5	60.3	63.6	68.4
1920	2:40:00	28.4	28.3	28.3	28.4	28.4	28.5	28.4	28.6	28.4	28.3	28.3	28.4	28.4	28.4	28.4	28.4
1921	2:40:05	28.5	28.3	28.3	28.3	28.4	28.5	28.4	28.6	28.4	28.3	28.3	28.4	28.4	28.3	28.3	28.5
1922	2:40:10	28.4	28.3	28.3	28.4	28.4	28.5	28.4	28.6	28.4	28.3	28.4	28.4	28.4	28.4	28.4	28.5
1923	2:40:15	28.5	28.3	28.3	28.3	28.4	28.5	28.4	28.6	28.4	28.3	28.4	28.4	28.4	28.4	28.4	28.5
1924	2:40:20	28.4	28.3	28.3	28.4	28.4	28.5	28.4	28.6	28.4	28.3	28.4	28.4	28.4	28.4	28.4	28.5
1925	2:40:25	28.5	28.3	28.3	28.3	28.4	28.5	28.4	28.6	28.4	28.3	28.4	28.4	28.4	28.4	28.4	28.5
1926	2:40:30	28.4	28.3	28.3	28.3	28.4	28.5	28.4	28.6	28.4	28.3	28.4	28.4	28.4	28.4	28.4	28.5
1927	2:40:35	28.5	28.3	28.3	28.3	28.4	28.5	28.4	28.6	28.4	28.3	28.4	28.4	28.4	28.4	28.4	28.5
1928	2:40:40	28.4	28.3	28.3	28.4	28.4	28.5	28.4	28.6	28.4	28.3	28.4	28.4	28.4	28.4	28.4	28.5
1929	2:40:45	28.5	28.3	28.3	28.3	28.4	28.5	28.4	28.6	28.4	28.3	28.4	28.4	28.4	28.4	28.4	28.5
1930	2:40:50	28.4	28.3	28.3	28.3	28.4	28.4	28.4	28.6	28.4	28.3	28.3	28.4	28.4	28.4	28.4	28.5
1931	2:40:55	28.4	28.3	28.2	28.3	28.4	28.5	28.4	28.5	28.4	28.3	28.4	28.4	28.4	28.3	28.3	28.5
1932	2:41:00	28.4	28.3	28.2	28.3	28.3	28.4	28.4	28.6	28.4	28.3	28.3	28.4	28.4	28.3	28.3	28.4
1933	2:41:05	28.4	28.3	28.2	28.3	28.4	28.5	28.4	28.5	28.4	28.3	28.3	28.4	28.4	28.3	28.3	28.4
1934	2:41:10	28.4	28.3	28.2	28.3	28.3	28.4	28.4	28.6	28.4	28.3	28.3	28.4	28.4	28.3	28.4	28.4
1935	2:41:15	28.4	28.3	28.2	28.3	28.3	28.5	28.4	28.5	28.4	28.3	28.3	28.4	28.4	28.3	28.3	28.4
1936	2:41:20	28.4	28.3	28.2	28.3	28.3	28.4	28.4	28.5	28.4	28.3	28.3	28.4	28.4	28.3	28.3	28.4
1937	2:41:25	28.4	28.3	28.2	28.3	28.3	28.4	28.4	28.5	28.4	28.3	28.3	28.4	28.4	28.3	28.3	28.4
1938	2:41:30	28.4	28.3	28.2	28.3	28.3	28.4	28.4	28.5	28.4	28.3	28.3	28.4	28.4	28.3	28.3	28.4

Lampiran 4. Data 2,5 LPM

NO.	Waktu	CH17	CH18	CH19	CH20	CH21	CH22	CH23	CH24	CH25	CH26	CH27	CH28	CH31	CH32
0	0:00:00	68	68.8	68.3	68.9	68.9	69.1	68.7	69.1	67.6	68.2	65.2	68.4	27.4	58.5
1	0:00:05	68.5	68.5	69.1	69	68.8	69.1	68.7	69	67.6	68.3	65.2	68.9	27.5	58
2	0:00:10	68.8	68.8	69.1	69	68.9	69	68.8	69	67.7	68.1	65.2	69	27.3	47.2
3	0:00:15	68.9	68.8	69.1	69.2	68.9	69.1	68.8	69.1	67.7	68.1	65.2	69.2	27.4	54.5
4	0:00:20	68.6	68.9	69	69.3	69	68.9	68.8	69.1	67.7	68	65.2	69.2	27.3	55.8
5	0:00:25	68.8	68.9	69	69.3	69	69	68.8	69	67.7	67.9	65.2	69.3	27.4	56.4
6	0:00:30	68.8	68.9	69.1	69.3	69	69	68.8	69	67.7	67.9	65.2	69.4	27.3	57.1
7	0:00:35	69	68.9	69.1	69.3	69.1	69	68.8	69	67.7	67.9	65.2	69.3	27.4	52.8
8	0:00:40	68.9	68.9	69.1	69.3	69	69	68.8	69.1	67.7	67.9	65.2	69.3	27.4	52.8
9	0:00:45	68.9	68.9	69.1	69.4	69	69	68.8	69.1	67.7	67.9	65.2	69.3	27.6	55
10	0:00:50	68.9	69	69.1	69.4	69	69	68.8	69.1	67.7	67.9	65.2	69.3	27.6	55.7
11	0:00:55	68.9	69	69.1	69.3	68.9	69	68.8	69	67.7	67.9	65.1	69.2	28.9	58.3
12	0:01:00	68.4	69	69.2	69.3	68.9	68.9	68.8	69	67.7	67.8	65.1	69.2	28.9	59.7
13	0:01:05	68.4	68.9	69.1	69.3	68.8	68.8	68.8	68.9	67.7	67.9	65.1	69.2	28.9	58.8
14	0:01:10	68.8	68.9	69.1	69.3	68.8	68.8	68.8	68.9	67.7	67.8	65.1	69.2	28.9	60.1
15	0:01:15	68.9	68.9	69.1	69.2	68.8	68.8	68.8	68.9	67.8	67.8	65.1	69.2	28.9	59.9
16	0:01:20	68.8	68.8	69	69.2	68.8	68.8	68.9	68.9	67.7	67.8	65.1	69.2	28.9	57.7
17	0:01:25	68.8	68.9	69	69.2	68.8	68.8	68.9	68.9	67.8	67.8	65.1	69.2	29	59.2
18	0:01:30	68.8	68.9	69	69.2	68.8	68.8	68.9	68.9	67.8	67.8	65.1	69.2	29	59.4
19	0:01:35	68.8	68.9	69	69.2	68.8	68.8	68.9	68.9	67.7	67.8	65	69.2	29	60.3
20	0:01:40	68.8	68.8	69	69.2	68.8	68.8	68.9	68.9	67.7	67.8	65	69.1	29	60.3
21	0:01:45	68.7	68.8	69	69.2	68.8	68.8	68.9	68.9	67.7	67.8	65	69.1	29.1	59.3
22	0:01:50	68.6	68.8	69	69.2	68.7	68.8	68.9	68.9	67.8	67.7	65	69.1	29.1	60.6
23	0:01:55	66.4	68.8	69	67.5	68.8	68.8	68.9	68.9	67.7	67.8	65	68.5	29.1	59.3
1920	2:40:00	28.4	28.4	28.4	28.5	28.6	28.5	28.5	28.6	27.5	27.6	28.1	28.5	28.3	35.2
1921	2:40:05	28.4	28.4	28.4	28.5	28.6	28.5	28.5	28.6	27.5	27.6	28.1	28.5	28.3	35.3
1922	2:40:10	28.4	28.4	28.4	28.5	28.5	28.5	28.5	28.6	27.5	27.6	28.1	28.5	28.3	35.3
1923	2:40:15	28.4	28.4	28.4	28.5	28.5	28.5	28.5	28.6	27.5	27.6	28.1	28.5	28.3	35.2
1924	2:40:20	28.4	28.4	28.4	28.5	28.6	28.5	28.5	28.6	27.5	27.6	28.1	28.5	28.3	35.2
1925	2:40:25	28.4	28.4	28.4	28.5	28.6	28.5	28.5	28.6	27.5	27.6	28.1	28.4	28.2	35.2
1926	2:40:30	28.4	28.4	28.4	28.5	28.6	28.5	28.5	28.6	27.5	27.6	28.1	28.4	28.2	35.2
1927	2:40:35	28.4	28.4	28.4	28.5	28.6	28.5	28.5	28.6	27.5	27.6	28.1	28.5	28.2	35.2
1928	2:40:40	28.4	28.4	28.4	28.5	28.5	28.5	28.5	28.6	27.5	27.6	28.1	28.5	28.2	35.2
1929	2:40:45	28.4	28.3	28.4	28.5	28.6	28.5	28.5	28.6	27.5	27.6	28.1	28.5	28.2	35.2
1930	2:40:50	28.4	28.3	28.4	28.5	28.5	28.5	28.5	28.6	27.6	27.7	28.1	28.6	28.2	35.2
1931	2:40:55	28.4	28.3	28.4	28.5	28.5	28.5	28.5	28.6	27.6	27.7	28.1	28.6	28.2	35.2
1932	2:41:00	28.4	28.3	28.4	28.5	28.5	28.5	28.5	28.6	27.5	27.6	28.1	28.5	28.1	35.1
1933	2:41:05	28.4	28.3	28.4	28.4	28.5	28.5	28.5	28.6	27.5	27.6	28.1	28.5	28.1	35.1
1934	2:41:10	28.4	28.3	28.4	28.4	28.5	28.5	28.5	28.6	27.5	27.6	28.1	28.5	28.1	35.1
1935	2:41:15	28.3	28.3	28.4	28.4	28.5	28.5	28.5	28.6	27.5	27.6	28.1	28.5	28.1	35.1
1936	2:41:20	28.3	28.3	28.4	28.4	28.5	28.5	28.5	28.6	27.5	27.6	28.1	28.5	28.1	34.8
1937	2:41:25	28.4	28.3	28.4	28.4	28.5	28.5	28.5	28.6	27.5	27.6	28.1	28.5	28.1	34.9
1938	2:41:30	28.3	28.3	28.4	28.4	28.5	28.5	28.5	28.5	27.5	27.6	28.1	28.5	28.1	34.9

Lampiran 5. Hasil Kalibrasi 1 LPM

NO.	Waktu	CH1	CH2	CH3	CH4	CH5	CH6	CH7	CH8	CH9	CH10	CH11	CH12	CH13	CH14	CH15	CH16
0	0:00:00	68.2	66.3	67.3	66.4	66.8	66.7	65.7	65.9	65.8	66.4	66.3	67.2	65.2	65.0	65.4	66.3
1	0:00:05	65.8	66.4	66.0	66.6	66.6	67.2	66.1	65.9	66.2	66.2	66.7	66.6	66.3	65.2	65.7	66.2
2	0:00:10	65.8	66.4	66.0	66.6	66.6	67.2	66.1	65.9	66.3	66.2	66.7	66.7	66.3	65.2	65.7	66.3
3	0:00:15	65.8	66.4	66.0	66.6	66.6	67.2	66.1	65.9	66.3	66.2	66.7	66.7	66.3	65.2	65.7	66.3
4	0:00:20	65.8	66.4	66.0	66.6	66.6	67.2	66.1	65.9	66.3	66.2	66.7	66.6	66.3	65.2	65.6	66.3
5	0:00:25	65.8	66.4	66.0	66.6	66.6	67.2	66.1	65.9	66.3	66.2	66.7	66.7	66.3	65.2	65.6	66.3
6	0:00:30	65.7	66.4	66.0	66.6	66.6	67.2	66.1	65.9	66.2	66.2	66.7	66.7	66.3	65.2	65.6	66.3
7	0:00:35	65.7	66.4	66.0	66.6	66.6	67.2	66.1	65.9	66.2	66.2	66.7	66.7	66.3	65.2	65.7	66.3
8	0:00:40	65.7	66.4	66.0	66.6	66.6	67.2	66.1	65.9	66.2	66.2	66.7	66.7	66.3	65.1	65.6	66.2
9	0:00:45	65.7	66.4	66.0	66.6	66.6	67.2	66.1	65.9	66.2	66.2	66.7	66.6	66.3	65.1	65.6	66.2
10	0:00:50	65.7	66.4	66.0	66.6	66.6	67.2	66.1	65.8	66.2	66.2	66.7	66.6	66.3	65.1	65.5	66.2
11	0:00:55	65.6	66.4	66.0	66.5	66.6	67.2	66.1	65.8	66.2	66.2	66.7	66.6	66.3	65.1	65.5	66.2
12	0:01:00	65.6	66.4	66.0	66.5	66.5	67.2	66.1	65.8	66.2	66.2	66.7	66.6	66.3	65.0	65.5	66.2
13	0:01:05	65.6	66.4	66.0	66.5	66.5	67.1	66.1	65.8	66.2	66.1	66.7	66.6	66.3	65.0	65.5	66.2
14	0:01:10	65.6	66.4	66.0	66.5	66.5	67.1	66.1	65.8	66.2	66.2	66.7	66.6	66.3	65.0	65.5	66.2
15	0:01:15	65.6	66.3	66.0	66.5	66.5	67.1	66.1	65.8	66.2	66.2	66.7	66.6	66.3	65.0	65.5	66.2
16	0:01:20	65.5	66.3	66.0	66.5	66.6	67.1	66.1	65.8	66.2	66.2	66.7	66.6	66.3	64.9	65.5	66.2
17	0:01:25	65.5	66.3	66.0	66.5	66.5	67.1	66.1	65.8	66.2	66.2	66.7	66.6	66.3	64.9	65.5	66.2
18	0:01:30	65.5	66.3	66.0	66.5	66.5	67.1	66.1	65.8	66.2	66.2	66.7	66.6	66.3	64.8	65.4	66.1
19	0:01:35	65.4	66.3	66.0	66.5	66.5	67.1	66.1	65.7	66.2	66.2	66.6	66.6	66.3	64.8	65.4	66.1
20	0:01:40	65.4	66.3	66.0	66.5	66.5	67.1	66.1	65.7	66.2	66.1	66.7	66.6	66.3	64.7	65.4	66.1
21	0:01:45	65.4	66.3	66.0	66.5	66.5	67.1	66.0	65.7	66.2	66.2	66.6	66.6	66.3	64.6	65.4	66.1
22	0:01:50	65.4	66.3	65.9	66.5	66.5	67.1	66.0	65.7	66.2	66.1	66.7	66.6	66.3	64.6	65.4	66.1
23	0:01:55	65.3	66.3	65.9	66.5	66.5	67.1	66.0	65.7	66.2	66.1	66.6	66.6	66.3	64.6	65.4	66.1
3300	4:35:00	24.4	24.5	24.5	25.4	24.7	25.1	25.1	26.4	25.5	24.4	24.6	24.5	24.7	25.4	24.6	24.9
3301	4:35:05	24.4	24.5	24.5	25.4	24.7	25.1	25.1	26.4	25.5	24.4	24.6	24.5	24.7	25.4	24.6	24.8
3302	4:35:10	24.4	24.5	24.4	25.4	24.7	25.1	25.1	26.4	25.5	24.4	24.6	24.5	24.7	25.4	24.7	24.8
3303	4:35:15	24.4	24.5	24.5	25.4	24.7	25.1	25.1	26.4	25.5	24.4	24.6	24.5	24.7	25.4	24.6	24.8
3304	4:35:20	24.4	24.5	24.5	25.4	24.7	25.1	25.1	26.4	25.4	24.4	24.6	24.5	24.7	25.4	24.6	24.8
3305	4:35:25	24.4	24.5	24.5	25.4	24.7	25.1	25.1	26.4	25.4	24.4	24.6	24.5	24.7	25.4	24.6	24.8
3306	4:35:30	24.4	24.5	24.5	25.4	24.7	25.1	25.1	26.4	25.5	24.4	24.6	24.5	24.7	25.4	24.6	24.8
3307	4:35:35	24.4	24.5	24.5	25.4	24.7	25.1	25.1	26.4	25.5	24.4	24.6	24.5	24.7	25.4	24.6	24.9
3308	4:35:40	24.4	24.5	24.5	25.4	24.8	25.1	25.1	26.4	25.4	24.4	24.6	24.5	24.7	25.4	24.6	24.9
3309	4:35:45	24.4	24.5	24.5	25.4	24.8	25.1	25.1	26.4	25.4	24.4	24.6	24.5	24.7	25.4	24.6	24.9
3310	4:35:50	24.4	24.5	24.5	25.4	24.8	25.1	25.1	26.4	25.4	24.4	24.6	24.5	24.7	25.4	24.6	24.8
3311	4:35:55	24.4	24.5	24.5	25.4	24.8	25.1	25.1	26.4	25.4	24.4	24.6	24.5	24.7	25.4	24.6	24.8
3312	4:36:00	24.4	24.5	24.5	25.4	24.7	25.1	25.1	26.4	25.5	24.4	24.6	24.5	24.7	25.4	24.6	24.9
3313	4:36:05	24.4	24.5	24.5	25.4	24.7	25.1	25.1	26.4	25.4	24.4	24.6	24.5	24.7	25.4	24.6	24.9
3314	4:36:10	24.4	24.5	24.5	25.4	24.7	25.1	25.1	26.4	25.4	24.4	24.6	24.5	24.7	25.4	24.6	24.9
3315	4:36:15	24.4	24.5	24.5	25.4	24.7	25.1	25.1	26.4	25.4	24.4	24.6	24.5	24.7	25.4	24.7	24.9
3316	4:36:20	24.4	24.5	24.5	25.4	24.7	25.1	25.1	26.4	25.4	24.4	24.6	24.5	24.7	25.4	24.6	24.9
3317	4:36:25	24.4	24.5	24.5	25.4	24.8	25.1	25.1	26.4	25.4	24.4	24.6	24.5	24.7	25.4	24.6	24.8

Lampiran 5. Hasil Kalibrasi 1 LPM

NO.	Waktu	CH17	CH18	CH19	CH20	CH21	CH22	CH23	CH24	CH25	CH26	CH27	CH28	CH31	CH32
0	0:00:00	66.7	66.8	67.0	66.5	66.0	66.1	65.5	66.1	65.2	66.0	63.9	67.7	34.1	30.6
1	0:00:05	65.7	66.1	66.0	66.2	65.8	65.9	65.8	66.0	66.1	66.3	64.3	67.6	26.9	54.9
2	0:00:10	66.2	66.6	66.5	66.7	66.3	66.4	66.3	66.5	66.1	66.2	64.3	67.6	26.8	56.7
3	0:00:15	66.2	66.6	66.5	66.7	66.4	66.4	66.3	66.5	66.1	66.2	64.3	67.6	26.8	58.1
4	0:00:20	66.2	66.6	66.5	66.7	66.4	66.4	66.3	66.5	66.1	66.2	64.3	67.6	26.8	59.2
5	0:00:25	66.2	66.6	66.5	66.7	66.4	66.4	66.3	66.5	66.1	66.2	64.3	67.6	26.8	59.6
6	0:00:30	66.1	66.6	66.5	66.7	66.4	66.4	66.3	66.5	66.1	66.2	64.3	67.6	26.8	60.4
7	0:00:35	66.2	66.6	66.5	66.7	66.4	66.4	66.3	66.5	66.1	66.2	64.3	67.6	26.8	60.5
8	0:00:40	66.2	66.5	66.4	66.7	66.3	66.4	66.3	66.5	66.1	66.2	64.3	67.6	26.8	60.1
9	0:00:45	66.2	66.5	66.4	66.7	66.3	66.4	66.3	66.5	66.1	66.2	64.3	67.5	26.8	60.4
10	0:00:50	66.1	66.5	66.4	66.7	66.3	66.4	66.3	66.4	66.2	66.2	64.3	67.6	26.8	60.6
11	0:00:55	66.1	66.5	66.4	66.7	66.3	66.4	66.3	66.4	66.2	66.2	64.3	67.5	26.8	61.3
12	0:01:00	66.1	66.5	66.4	66.7	66.3	66.4	66.3	66.4	66.2	66.2	64.3	67.5	26.8	61.2
13	0:01:05	66.1	66.5	66.4	66.7	66.3	66.3	66.3	66.4	66.2	66.2	64.3	67.5	26.8	61.4
14	0:01:10	66.1	66.5	66.4	66.7	66.3	66.4	66.3	66.4	66.1	66.2	64.3	67.5	26.8	60.9
15	0:01:15	66.1	66.5	66.4	66.7	66.3	66.3	66.3	66.4	66.1	66.2	64.3	67.5	26.8	60.2
16	0:01:20	66.1	66.5	66.4	66.7	66.3	66.4	66.3	66.4	66.1	66.1	64.3	67.5	26.8	60.0
17	0:01:25	66.1	66.5	66.4	66.7	66.3	66.3	66.3	66.4	66.1	66.1	64.3	67.5	26.8	59.7
18	0:01:30	66.1	66.5	66.4	66.7	66.3	66.3	66.3	66.4	66.1	66.1	64.3	67.5	26.8	59.3
19	0:01:35	66.1	66.5	66.4	66.7	66.3	66.3	66.3	66.4	66.1	66.1	64.2	67.5	26.8	60.2
20	0:01:40	66.1	66.5	66.4	66.7	66.3	66.3	66.3	66.4	66.1	66.1	64.2	67.5	26.8	60.5
21	0:01:45	66.1	66.5	66.4	66.6	66.3	66.3	66.3	66.4	66.1	66.1	64.3	67.5	26.8	60.2
22	0:01:50	66.1	66.5	66.3	66.6	66.3	66.3	66.3	66.4	66.1	66.1	64.3	67.5	26.8	60.2
23	0:01:55	66.1	66.5	66.3	66.6	66.2	66.3	66.3	66.3	66.1	66.1	64.3	67.5	26.8	60.1
3300	4:35:00	25.1	25.1	26.0	26.0	25.2	24.9	26.6	25.6	24.6	24.7	24.7	25.7	25.4	34.4
3301	4:35:05	25.1	25.0	26.0	25.9	25.2	24.8	26.6	25.6	24.7	24.7	24.7	25.7	25.4	34.4
3302	4:35:10	25.1	25.0	26.0	25.9	25.2	24.8	26.6	25.6	24.7	24.7	24.7	25.7	25.4	34.4
3303	4:35:15	25.1	25.0	26.0	25.9	25.2	24.8	26.6	25.6	24.7	24.7	24.7	25.8	25.4	34.4
3304	4:35:20	25.1	25.0	26.0	25.9	25.2	24.8	26.6	25.6	24.7	24.8	24.8	25.8	25.5	34.4
3305	4:35:25	25.1	25.0	26.0	25.9	25.2	24.8	26.6	25.6	24.7	24.8	24.8	25.8	25.5	34.4
3306	4:35:30	25.1	25.0	26.0	25.9	25.2	24.8	26.6	25.6	24.7	24.7	24.7	25.7	25.4	34.3
3307	4:35:35	25.1	25.0	25.9	25.9	25.2	24.8	26.6	25.6	24.7	24.7	24.7	25.7	25.4	34.4
3308	4:35:40	25.1	25.0	25.9	25.9	25.2	24.8	26.6	25.6	24.6	24.7	24.7	25.7	25.4	34.3
3309	4:35:45	25.1	25.0	25.9	25.9	25.2	24.8	26.6	25.6	24.7	24.7	24.7	25.7	25.4	34.3
3310	4:35:50	25.1	25.0	25.9	25.9	25.2	24.8	26.6	25.6	24.7	24.7	24.7	25.7	25.4	34.4
3311	4:35:55	25.2	25.1	25.9	26.0	25.3	24.9	26.6	25.6	24.7	24.7	24.7	25.7	25.4	34.4
3312	4:36:00	25.2	25.1	25.9	26.0	25.3	24.9	26.6	25.6	24.7	24.7	24.7	25.7	25.4	34.3
3313	4:36:05	25.2	25.1	25.9	26.0	25.3	24.9	26.6	25.6	24.7	24.7	24.7	25.7	25.4	34.4
3314	4:36:10	25.2	25.1	25.9	26.0	25.3	24.9	26.6	25.7	24.7	24.7	24.7	25.7	25.4	34.3
3315	4:36:15	25.2	25.1	25.9	26.0	25.2	24.9	26.6	25.7	24.7	24.7	24.7	25.7	25.5	34.4
3316	4:36:20	25.2	25.1	25.9	26.0	25.2	24.9	26.6	25.7	24.6	24.7	24.7	25.7	25.5	34.2
3317	4:36:25	25.2	25.1	25.9	26.0	25.2	24.9	26.6	25.7	24.7	24.8	24.8	25.8	25.5	34.4

Lampiran 6. Hasil Kalibrasi 1,5 LPM

NO.	Waktu	CH1	CH2	CH3	CH4	CH5	CH6	CH7	CH8	CH9	CH10	CH11	CH12	CH13	CH14	CH15	CH16
0	0:00:00	66.1	66.3	67.4	67.0	67.4	66.5	66.1	66.9	66.0	66.9	66.1	66.6	65.6	67.5	67.7	66.2
1	0:00:05	66.1	66.8	66.2	67.2	66.8	67.1	66.5	66.1	66.6	66.3	66.7	67.0	66.4	66.3	66.3	66.5
2	0:00:10	66.0	66.8	66.2	67.1	66.8	67.1	66.5	66.0	66.5	66.3	66.7	67.0	66.4	66.3	66.2	66.5
3	0:00:15	66.0	66.8	66.2	67.1	66.8	67.1	66.5	66.0	66.5	66.3	66.7	67.0	66.5	66.3	66.2	66.5
4	0:00:20	66.0	66.7	66.2	67.1	66.8	67.2	66.5	66.0	66.5	66.3	66.7	67.0	66.5	66.3	66.3	66.5
5	0:00:25	66.0	66.7	66.2	67.1	66.8	67.1	66.5	65.9	66.5	66.3	66.7	67.0	66.5	66.3	66.3	66.5
6	0:00:30	65.9	66.7	66.2	67.0	66.8	67.2	66.4	65.9	66.5	66.3	66.7	67.0	66.5	66.2	66.3	66.5
7	0:00:35	65.9	66.7	66.2	67.0	66.8	67.2	66.4	65.9	66.5	66.3	66.7	67.0	66.5	66.2	66.2	66.5
8	0:00:40	65.9	66.7	66.2	67.0	66.8	67.2	66.4	65.9	66.5	66.3	66.7	67.0	66.5	66.2	66.2	66.5
9	0:00:45	65.9	66.6	66.2	67.0	66.8	67.2	66.4	65.9	66.4	66.3	66.8	66.9	66.5	66.2	66.2	66.5
10	0:00:50	65.8	66.6	66.2	67.0	66.8	67.2	66.4	65.9	66.5	66.3	66.7	66.9	66.5	66.2	66.2	66.4
11	0:00:55	65.8	66.6	66.2	67.0	66.7	67.2	66.4	65.9	66.5	66.3	66.7	66.9	66.5	66.2	66.2	66.4
12	0:01:00	65.8	66.6	66.2	67.0	66.7	67.2	66.4	65.9	66.4	66.3	66.7	66.9	66.5	66.2	66.2	66.4
13	0:01:05	65.8	66.6	66.1	66.9	66.7	67.2	66.3	65.8	66.4	66.2	66.7	66.9	66.6	66.1	66.2	66.4
14	0:01:10	65.7	66.6	66.1	66.9	66.7	67.2	66.3	65.8	66.4	66.2	66.8	66.9	66.6	66.1	66.2	66.3
15	0:01:15	65.7	66.6	66.1	66.9	66.7	67.2	66.3	65.8	66.4	66.2	66.7	66.8	66.6	66.1	66.1	66.3
16	0:01:20	65.7	66.6	66.1	66.9	66.7	67.2	66.3	65.8	66.4	66.2	66.7	66.9	66.6	66.1	66.1	66.3
17	0:01:25	65.8	66.6	66.1	66.9	66.8	67.2	66.3	65.8	66.4	66.2	66.7	66.8	66.6	66.1	66.1	66.3
18	0:01:30	65.7	66.6	66.1	66.9	66.8	67.2	66.3	65.8	66.4	66.2	66.7	66.8	66.6	66.1	66.1	66.3
19	0:01:35	65.7	66.6	66.1	66.9	66.7	67.2	66.3	65.8	66.4	66.2	66.7	66.8	66.6	66.1	66.1	66.3
20	0:01:40	65.6	66.5	66.1	66.9	66.7	67.2	66.3	65.7	66.3	66.2	66.7	66.8	66.6	66.1	66.1	66.3
21	0:01:45	65.6	66.5	66.0	66.8	66.7	67.2	66.2	65.7	66.3	66.1	66.7	66.8	66.6	66.0	66.0	66.3
22	0:01:50	65.5	66.5	66.0	66.8	66.7	67.2	66.2	65.7	66.3	66.1	66.7	66.8	66.6	66.0	66.0	66.3
23	0:01:55	65.5	66.5	66.0	66.8	66.7	67.2	66.2	65.6	66.3	66.1	66.7	66.8	66.6	66.0	66.0	66.2
2949	4:05:45	27.4	27.5	27.6	28.4	27.7	27.8	27.9	29.1	28.1	27.1	27.2	27.2	27.7	28.6	27.7	27.6
2950	4:05:50	27.4	27.5	27.5	28.4	27.7	27.8	27.9	29.1	28.2	27.2	27.2	27.3	27.8	28.6	27.8	27.6
2951	4:05:55	27.4	27.5	27.6	28.4	27.7	27.8	27.9	29.1	28.2	27.2	27.2	27.3	27.8	28.6	27.8	27.6
2952	4:06:00	27.4	27.5	27.5	28.4	27.7	27.8	27.9	29.1	28.2	27.1	27.2	27.3	27.8	28.6	27.8	27.6
2953	4:06:05	27.4	27.5	27.6	28.4	27.7	27.8	27.9	29.1	28.2	27.2	27.2	27.3	27.8	28.7	27.8	27.6
2954	4:06:10	27.4	27.5	27.6	28.4	27.7	27.8	27.9	29.1	28.2	27.2	27.2	27.3	27.8	28.6	27.8	27.7
2955	4:06:15	27.5	27.5	27.6	28.4	27.7	27.8	27.9	29.1	28.2	27.2	27.2	27.3	27.8	28.6	27.8	27.6
2956	4:06:20	27.4	27.5	27.6	28.4	27.7	27.8	27.9	29.1	28.2	27.2	27.2	27.3	27.8	28.7	27.8	27.6
2957	4:06:25	27.4	27.5	27.7	28.4	27.7	27.8	27.9	29.1	28.2	27.1	27.2	27.3	27.8	28.6	27.8	27.6
2958	4:06:30	27.4	27.5	27.6	28.4	27.8	27.8	27.9	29.1	28.2	27.2	27.2	27.3	27.8	28.6	27.8	27.6
2959	4:06:35	27.4	27.5	27.5	28.4	27.7	27.8	27.9	29.1	28.2	27.2	27.2	27.3	27.8	28.6	27.7	27.6
2960	4:06:40	27.4	27.5	27.5	28.4	27.7	27.8	27.9	29.1	28.2	27.2	27.2	27.3	27.8	28.6	27.7	27.6
2961	4:06:45	27.4	27.5	27.5	28.5	27.7	27.8	27.9	29.1	28.2	27.2	27.2	27.2	27.8	28.6	27.7	27.5
2962	4:06:50	27.4	27.5	27.5	28.3	27.7	27.8	27.9	29.1	28.2	27.2	27.2	27.3	27.8	28.6	27.7	27.6
2963	4:06:55	27.4	27.5	27.5	28.3	27.7	27.8	27.9	29.2	28.2	27.2	27.2	27.4	27.8	28.6	27.7	27.6
2964	4:07:00	27.4	27.5	27.4	28.5	27.7	27.8	27.8	29.1	28.2	27.3	27.2	27.3	27.8	28.6	27.7	27.6
2965	4:07:05	27.4	27.5	27.5	28.4	27.7	27.8	27.9	29.0	28.3	27.1	27.2	27.4	27.8	28.6	27.7	27.6

Lampiran 6. Hasil Kalibrasi 1,5 LPM

NO.	Waktu	CH17	CH18	CH19	CH20	CH21	CH22	CH23	CH24	CH25	CH26	CH27	CH28	CH31	CH32
0	0:00:00	67.1	66.9	66.5	67.7	66.2	66.4	65.6	66.6	66.1	66.6	63.2	67.7	33.5	26.2
1	0:00:05	66.4	66.7	66.7	67.1	66.6	66.8	66.3	66.9	66.9	67.1	63.9	67.7	25.8	27.5
2	0:00:10	66.5	66.7	66.6	67.1	66.6	66.7	66.3	66.8	66.9	67.1	63.9	67.7	25.7	37.4
3	0:00:15	66.5	66.7	66.6	67.1	66.6	66.7	66.3	66.8	66.9	67.1	63.9	67.7	25.6	55.0
4	0:00:20	66.5	66.7	66.7	67.1	66.6	66.7	66.3	66.8	66.9	67.1	63.9	67.7	25.6	56.5
5	0:00:25	66.5	66.7	66.7	67.1	66.7	66.7	66.4	66.8	66.9	67.0	63.9	67.7	25.6	56.7
6	0:00:30	66.4	66.7	66.7	67.1	66.7	66.8	66.4	66.9	66.9	67.0	63.9	67.7	25.6	56.4
7	0:00:35	66.4	66.7	66.7	67.1	66.7	66.8	66.4	66.9	66.9	67.0	63.9	67.7	25.7	55.6
8	0:00:40	66.4	66.7	66.7	67.1	66.7	66.8	66.4	66.9	66.9	67.0	63.9	67.7	25.7	54.8
9	0:00:45	66.4	66.7	66.6	67.1	66.7	66.7	66.4	66.8	66.9	67.0	63.9	67.7	25.7	56.0
10	0:00:50	66.4	66.7	66.6	67.0	66.6	66.7	66.4	66.8	66.9	67.0	63.9	67.7	25.7	56.8
11	0:00:55	66.4	66.7	66.6	67.0	66.6	66.7	66.4	66.8	66.9	67.0	63.9	67.7	25.7	57.0
12	0:01:00	66.4	66.6	66.6	67.0	66.6	66.7	66.4	66.8	66.9	67.0	63.9	67.6	25.7	60.5
13	0:01:05	66.4	66.6	66.6	67.0	66.5	66.7	66.4	66.8	66.9	67.0	63.9	67.6	25.7	60.0
14	0:01:10	66.3	66.6	66.6	67.0	66.5	66.7	66.4	66.8	66.9	67.0	63.9	67.6	25.7	60.3
15	0:01:15	66.3	66.6	66.5	67.0	66.5	66.7	66.4	66.8	66.9	67.0	63.9	67.6	25.7	60.4
16	0:01:20	66.4	66.6	66.6	67.0	66.5	66.6	66.4	66.8	66.9	66.9	63.9	67.6	25.7	60.4
17	0:01:25	66.4	66.6	66.6	67.0	66.5	66.6	66.4	66.7	66.9	66.9	63.9	67.6	25.6	60.8
18	0:01:30	66.4	66.6	66.6	67.0	66.5	66.6	66.4	66.7	66.9	66.9	63.9	67.6	25.6	61.0
19	0:01:35	66.3	66.6	66.6	67.0	66.5	66.6	66.4	66.7	66.9	66.9	63.9	67.6	25.6	60.9
20	0:01:40	66.4	66.7	66.6	67.0	66.5	66.7	66.5	66.8	66.9	66.9	63.9	67.6	25.6	61.1
21	0:01:45	66.4	66.7	66.6	67.0	66.5	66.7	66.5	66.7	66.9	66.9	63.9	67.5	25.6	61.4
22	0:01:50	66.3	66.6	66.6	67.0	66.5	66.6	66.5	66.7	66.9	66.9	63.8	67.5	25.7	61.1
23	0:01:55	66.3	66.6	66.5	66.9	66.4	66.6	66.5	66.7	66.9	66.9	63.8	67.5	25.7	60.7
2947	4:05:35	28.1	27.9	28.7	28.6	28.2	27.8	29.3	28.5	27.9	28.0	27.8	28.7	28.1	34.5
2948	4:05:40	28.1	27.9	28.7	28.6	28.3	27.8	29.3	28.5	27.8	27.9	27.7	28.7	28.1	34.5
2949	4:05:45	28.1	27.9	28.8	28.6	28.2	27.8	29.3	28.5	27.8	27.9	27.7	28.6	28.1	34.6
2950	4:05:50	28.1	27.9	28.8	28.6	28.3	27.8	29.3	28.5	27.8	27.9	27.7	28.6	28.1	34.6
2951	4:05:55	28.1	27.9	28.7	28.6	28.3	27.8	29.3	28.4	27.9	28.0	27.8	28.7	28.2	34.6
2952	4:06:00	28.1	27.9	28.7	28.6	28.2	27.8	29.3	28.4	27.9	28.0	27.8	28.7	28.2	34.7
2953	4:06:05	28.1	27.9	28.8	28.6	28.3	27.8	29.3	28.5	27.9	28.0	27.8	28.7	28.2	34.6
2954	4:06:10	28.1	27.9	28.7	28.6	28.3	27.8	29.3	28.5	27.9	28.0	27.8	28.7	28.2	34.6
2955	4:06:15	28.1	27.9	28.8	28.7	28.3	27.8	29.3	28.5	27.9	28.0	27.8	28.7	28.2	34.6
2956	4:06:20	28.1	28.0	28.8	28.6	28.3	27.8	29.3	28.5	27.9	28.0	27.8	28.7	28.2	34.6
2957	4:06:25	28.1	27.9	28.8	28.7	28.3	27.8	29.2	28.5	27.9	28.0	27.7	28.7	28.2	34.6
2958	4:06:30	28.1	27.9	28.8	28.6	28.3	27.8	29.3	28.5	27.9	28.0	27.8	28.8	28.2	34.6
2959	4:06:35	28.1	27.9	28.8	28.6	28.3	27.8	29.3	28.5	27.9	28.0	27.8	28.7	28.2	34.5
2960	4:06:40	28.1	27.9	28.9	28.6	28.3	27.8	29.3	28.5	27.9	28.0	27.8	28.7	28.3	34.5
2961	4:06:45	28.1	27.9	28.8	28.7	28.3	27.9	29.3	28.5	27.9	28.0	27.8	28.7	28.2	34.4
2962	4:06:50	28.1	27.9	28.8	28.6	28.3	27.8	29.3	28.5	27.8	28.0	27.8	28.7	28.2	34.5
2963	4:06:55	28.1	27.8	28.8	28.6	28.3	27.8	29.4	28.4	27.9	28.0	27.8	28.8	28.1	34.5
2964	4:07:00	28.1	27.9	28.8	28.6	28.3	27.8	29.3	28.5	27.8	28.0	27.8	28.8	28.2	34.5
2965	4:07:05	28.0	27.9	28.7	28.5	28.3	27.8	29.3	28.5	27.9	28.0	27.8	28.8	28.2	34.4

Lampiran 7. Hasil Kalibrasi 2 LPM

NO.	Waktu	CH1	CH2	CH3	CH4	CH5	CH6	CH7	CH8	CH9	CH10	CH11	CH12	CH13	CH14	CH15	CH16
0	0:00:00	62.1	62.5	63.1	63.0	63.4	62.9	62.5	63.0	62.4	62.8	62.5	62.7	62.1	63.4	63.6	62.9
1	0:00:05	62.4	63.0	62.6	63.2	62.9	63.4	63.0	62.7	62.5	62.2	62.5	62.4	62.3	62.3	62.6	62.6
2	0:00:10	62.4	63.0	62.7	63.2	63.0	63.4	63.0	62.8	62.9	62.7	63.0	62.9	62.8	62.9	63.1	63.2
3	0:00:15	62.3	63.0	62.8	63.2	63.0	63.4	63.0	62.8	62.8	62.7	63.0	63.0	62.8	62.9	62.8	63.2
4	0:00:20	62.3	63.0	62.8	63.2	63.0	63.4	63.0	62.7	62.8	62.8	63.0	63.0	62.8	62.8	62.7	63.2
5	0:00:25	62.3	63.0	62.8	63.2	63.0	63.4	63.0	62.6	62.8	62.8	63.0	63.0	62.8	62.8	62.8	63.2
6	0:00:30	62.3	63.0	62.8	63.2	63.1	63.4	62.9	62.6	62.8	62.8	63.0	63.0	62.8	62.8	62.8	63.2
7	0:00:35	62.2	63.0	62.8	63.2	63.1	63.4	62.9	62.6	62.8	62.8	63.0	63.0	62.9	62.8	62.8	63.2
8	0:00:40	62.2	63.0	62.8	63.2	63.1	63.4	62.9	62.6	62.8	62.8	63.0	63.0	62.9	62.7	62.8	63.1
9	0:00:45	62.1	62.9	62.7	63.1	63.0	63.3	62.9	62.5	62.8	62.9	63.0	63.0	62.9	62.7	62.8	63.0
10	0:00:50	62.1	62.9	62.7	63.1	63.0	63.3	62.9	62.5	62.8	62.9	63.1	63.0	62.9	62.7	62.8	63.0
11	0:00:55	62.1	63.0	62.7	63.2	63.1	63.4	62.9	62.6	62.8	62.9	63.0	63.0	62.9	62.7	62.8	62.9
12	0:01:00	62.1	63.0	62.7	63.2	63.1	63.4	62.9	62.6	62.8	62.9	63.0	63.0	62.9	62.7	62.8	62.9
13	0:01:05	62.0	63.0	62.7	63.2	63.1	63.4	62.9	62.5	62.8	62.8	63.0	63.0	62.9	62.7	62.7	62.9
14	0:01:10	62.0	63.0	62.6	63.2	63.1	63.4	62.9	62.5	62.8	62.8	63.0	63.0	62.9	62.7	62.7	62.9
15	0:01:15	62.0	62.9	62.6	63.2	63.1	63.4	62.9	62.5	62.8	62.8	63.0	63.0	62.9	62.7	62.7	62.9
16	0:01:20	61.9	62.9	62.6	63.2	63.1	63.4	62.9	62.5	62.8	62.8	63.0	63.0	62.9	62.7	62.7	62.9
17	0:01:25	61.9	62.9	62.6	63.2	63.1	63.4	62.9	62.5	62.8	62.8	63.0	63.0	62.9	62.6	62.7	62.9
18	0:01:30	61.8	62.9	62.6	63.2	63.0	63.3	62.9	62.5	62.8	62.7	63.0	63.0	63.0	62.6	62.7	62.9
19	0:01:35	61.8	62.9	62.6	63.2	63.1	63.4	62.8	62.5	62.8	62.7	63.0	63.0	63.0	62.6	62.7	62.9
20	0:01:40	61.7	62.9	62.6	63.2	63.1	63.4	62.8	62.5	62.8	62.7	63.0	63.1	63.0	62.6	62.7	62.9
21	0:01:45	61.6	62.9	62.6	63.2	63.1	63.4	62.8	62.5	62.8	62.7	63.0	63.1	63.0	62.6	62.6	62.9
22	0:01:50	61.5	62.9	62.6	63.2	63.1	63.4	62.8	62.4	62.8	62.8	63.0	63.0	63.0	62.6	62.6	62.9
23	0:01:55	61.4	62.9	62.6	63.2	63.0	63.4	62.8	62.4	62.8	62.7	63.0	63.0	63.0	62.5	62.6	62.9
1664	2:18:40	25.5	25.6	25.5	26.5	25.7	26.0	26.1	27.2	26.5	25.3	25.6	25.5	25.9	26.6	25.7	25.7
1665	2:18:45	25.5	25.6	25.5	26.5	25.7	26.0	26.0	27.2	26.5	25.3	25.6	25.5	25.9	26.6	25.7	25.7
1666	2:18:50	25.5	25.6	25.5	26.5	25.7	26.0	26.0	27.2	26.5	25.3	25.6	25.5	25.9	26.6	25.8	25.7
1667	2:18:55	25.5	25.6	25.5	26.5	25.7	26.0	26.0	27.2	26.5	25.3	25.6	25.5	25.9	26.6	25.8	25.7
1668	2:19:00	25.5	25.6	25.5	26.5	25.7	26.0	26.0	27.2	26.5	25.3	25.6	25.5	25.9	26.6	25.7	25.7
1669	2:19:05	25.5	25.6	25.5	26.5	25.7	26.0	26.0	27.2	26.5	25.3	25.6	25.5	25.9	26.6	25.7	25.7
1670	2:19:10	25.5	25.6	25.5	26.5	25.7	26.0	26.0	27.2	26.5	25.3	25.6	25.5	25.9	26.6	25.7	25.7
1671	2:19:15	25.5	25.6	25.4	26.5	25.7	26.0	26.0	27.2	26.4	25.2	25.5	25.4	25.9	26.6	25.7	25.7
1672	2:19:20	25.5	25.6	25.5	26.5	25.7	26.0	26.0	27.2	26.4	25.2	25.5	25.4	25.9	26.6	25.7	25.7
1673	2:19:25	25.5	25.6	25.5	26.5	25.7	26.0	26.0	27.2	26.4	25.3	25.5	25.4	25.9	26.6	25.7	25.7
1674	2:19:30	25.5	25.6	25.5	26.5	25.7	26.0	26.0	27.2	26.5	25.3	25.6	25.5	25.9	26.6	25.8	25.7
1675	2:19:35	25.5	25.6	25.5	26.5	25.7	26.0	26.0	27.1	26.5	25.3	25.6	25.5	25.9	26.6	25.8	25.7
1676	2:19:40	25.5	25.6	25.5	26.5	25.7	26.0	26.0	27.1	26.5	25.3	25.6	25.5	25.9	26.6	25.8	25.7
1677	2:19:45	25.5	25.6	25.5	26.5	25.7	26.0	26.0	27.2	26.4	25.2	25.5	25.4	25.8	26.6	25.7	25.7
1678	2:19:50	25.5	25.5	25.5	26.5	25.7	25.9	26.0	27.1	26.4	25.2	25.5	25.4	25.8	26.6	25.7	25.7
1679	2:19:55	25.5	25.6	25.5	26.5	25.7	26.0	26.0	27.2	26.4	25.2	25.5	25.4	25.9	26.6	25.7	25.7
1680	2:20:00	25.5	25.6	25.5	26.4	25.7	26.0	26.0	27.2	26.4	25.2	25.5	25.4	25.9	26.6	25.7	25.7
1681	2:20:05	25.5	25.6	25.5	26.4	25.7	26.0	26.0	27.2	26.4	25.2	25.5	25.4	25.9	26.6	25.7	25.7

Lampiran 7. Hasil Kalibrasi 2 LPM

NO.	Waktu	CH17	CH18	CH19	CH20	CH21	CH22	CH23	CH24	CH25	CH26	CH27	CH28	CH31	CH32
0	0:00:00	63.5	63.0	62.7	63.5	62.7	62.7	62.4	63.0	62.7	63.0	59.5	63.2	32.0	25.7
1	0:00:05	63.0	63.7	63.0	63.0	63.3	63.3	62.9	63.5	62.8	63.0	59.6	62.9	25.1	37.4
2	0:00:10	63.0	63.6	63.0	63.1	63.2	63.3	62.9	63.4	63.3	63.5	60.1	63.5	25.6	44.0
3	0:00:15	63.0	63.6	63.0	63.2	63.3	63.2	62.9	63.4	63.3	63.5	60.1	63.5	25.7	46.6
4	0:00:20	63.0	63.7	63.1	63.2	63.2	63.3	62.9	63.4	63.3	63.4	60.1	63.5	25.7	48.2
5	0:00:25	63.1	63.6	63.1	63.2	63.2	63.3	62.9	63.5	63.3	63.4	60.1	63.5	25.7	49.2
6	0:00:30	63.1	63.6	63.0	63.2	63.2	63.3	63.0	63.5	63.4	63.4	60.1	63.5	25.7	49.0
7	0:00:35	63.1	63.6	63.1	63.3	63.2	63.3	63.0	63.5	63.4	63.4	60.1	63.5	25.6	49.6
8	0:00:40	63.1	63.6	63.1	63.3	63.2	63.3	63.0	63.5	63.4	63.4	60.1	63.5	25.5	49.9
9	0:00:45	63.1	63.6	63.0	63.3	63.2	63.3	63.0	63.5	63.4	63.4	60.1	63.5	25.6	50.9
10	0:00:50	63.1	63.6	63.0	63.3	63.2	63.2	63.0	63.5	63.4	63.4	60.1	63.5	25.8	52.0
11	0:00:55	63.0	63.6	63.1	63.2	63.2	63.2	63.0	63.5	63.4	63.3	60.1	63.6	25.9	52.7
12	0:01:00	63.0	63.7	63.1	63.2	63.1	63.2	63.0	63.4	63.4	63.4	60.1	63.6	25.9	53.9
13	0:01:05	62.9	63.7	63.1	63.2	63.1	63.2	63.0	63.4	63.4	63.4	60.1	63.6	26.0	53.7
14	0:01:10	62.9	63.6	63.1	63.2	63.0	63.1	63.0	63.4	63.4	63.4	60.1	63.6	26.0	57.2
15	0:01:15	62.9	63.8	63.1	63.3	63.0	63.2	63.0	63.4	63.4	63.4	60.1	63.6	26.0	55.7
16	0:01:20	62.8	63.6	63.1	63.3	63.0	63.1	63.0	63.3	63.3	63.3	60.0	63.5	25.9	56.1
17	0:01:25	62.9	63.5	63.1	63.3	63.0	63.1	63.0	63.3	63.3	63.3	60.0	63.5	25.9	55.4
18	0:01:30	62.9	63.4	63.1	63.3	63.0	63.1	63.1	63.3	63.4	63.4	60.1	63.6	26.0	55.7
19	0:01:35	62.9	63.5	63.0	63.3	63.0	63.1	63.1	63.3	63.4	63.4	60.1	63.6	26.1	55.5
20	0:01:40	62.9	63.5	63.0	63.3	63.0	63.1	63.1	63.3	63.4	63.3	60.0	63.6	26.1	55.6
21	0:01:45	62.9	63.5	63.0	63.3	63.0	63.1	63.1	63.4	63.3	63.3	60.0	63.5	26.1	55.7
22	0:01:50	62.9	63.6	63.0	63.3	63.0	63.1	63.1	63.3	63.3	63.2	60.0	63.5	26.1	55.8
23	0:01:55	62.9	63.5	63.0	63.3	63.0	63.1	63.1	63.3	63.3	63.2	60.0	63.5	26.1	56.5
1664	2:18:40	26.2	25.9	27.0	26.8	26.4	25.9	27.5	26.6	26.0	26.1	26.1	26.9	25.7	33.1
1665	2:18:45	26.2	25.9	27.0	26.7	26.4	25.9	27.5	26.6	26.0	26.1	26.1	26.9	25.7	33.0
1666	2:18:50	26.2	25.9	26.9	26.7	26.4	25.9	27.5	26.6	26.0	26.1	26.0	26.9	25.7	32.9
1667	2:18:55	26.1	25.9	26.9	26.7	26.4	25.9	27.5	26.7	26.0	26.0	26.0	26.8	25.7	32.7
1668	2:19:00	26.2	25.9	26.9	26.7	26.4	25.9	27.5	26.6	26.0	26.0	26.0	26.8	25.7	32.8
1669	2:19:05	26.1	25.9	26.9	26.8	26.4	25.9	27.5	26.6	26.0	26.0	26.0	26.8	25.7	32.9
1670	2:19:10	26.1	25.9	26.9	26.8	26.4	25.9	27.5	26.6	26.0	26.0	26.0	26.8	25.7	32.8
1671	2:19:15	26.1	25.9	26.9	26.8	26.4	25.9	27.5	26.6	26.0	26.0	26.0	26.8	25.7	32.8
1672	2:19:20	26.1	25.9	26.9	26.8	26.4	25.9	27.5	26.6	26.0	26.0	26.0	26.8	25.7	32.7
1673	2:19:25	26.1	25.9	26.9	26.9	26.4	25.9	27.5	26.6	26.0	26.0	26.0	26.8	25.7	32.7
1674	2:19:30	26.2	25.9	26.9	26.9	26.4	25.9	27.5	26.6	26.0	26.0	26.0	26.8	25.7	32.5
1675	2:19:35	26.2	25.9	26.8	26.9	26.4	25.9	27.5	26.6	26.0	26.0	26.0	26.8	25.7	32.8
1676	2:19:40	26.1	25.9	26.8	26.9	26.4	25.9	27.5	26.6	26.0	26.0	26.0	26.8	25.7	32.7
1677	2:19:45	26.1	25.9	26.9	26.9	26.4	25.9	27.5	26.6	26.0	26.0	26.0	26.8	25.7	32.7
1678	2:19:50	26.2	25.9	26.9	26.9	26.4	25.9	27.5	26.6	26.0	26.0	26.0	26.8	25.8	32.6
1679	2:19:55	26.1	25.9	26.9	26.9	26.4	25.9	27.5	26.6	26.0	26.0	26.0	26.8	25.8	32.6
1680	2:20:00	26.2	25.9	26.9	26.9	26.4	25.9	27.5	26.6	26.0	26.0	26.0	26.8	25.8	32.5
1681	2:20:05	26.1	25.9	26.9	26.8	26.4	25.9	27.5	26.6	26.0	26.0	26.0	26.8	25.8	32.5

Lampiran 8. Hasil Kalibrasi 2,5 LPM

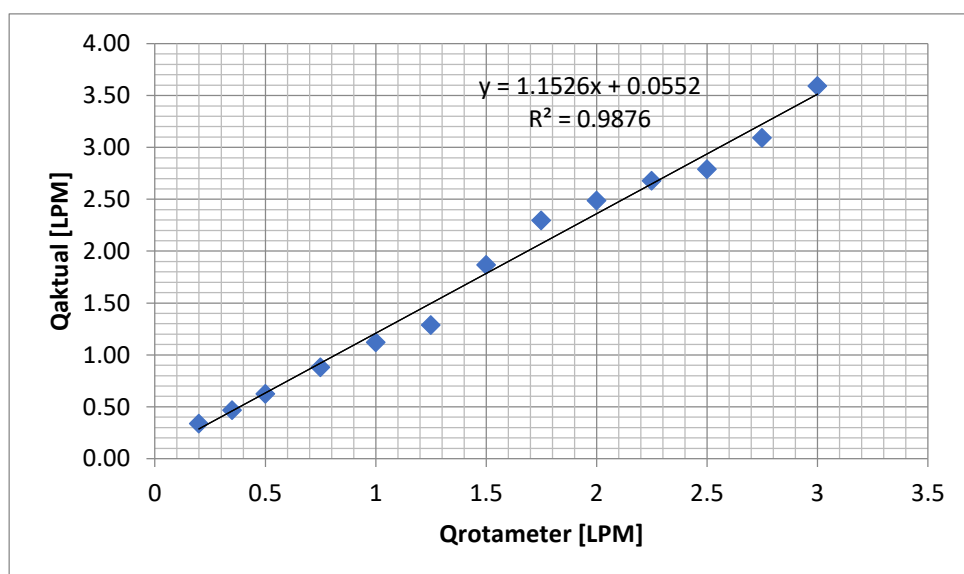
NO.	Waktu	CH1	CH2	CH3	CH4	CH5	CH6	CH7	CH8	CH9	CH10	CH11	CH12	CH13	CH14	CH15	CH16
0	0:00:00	64.7	65.4	64.5	65.8	64.6	66.0	65.2	64.3	65.8	64.8	65.5	65.5	64.8	64.0	64.2	65.2
1	0:00:05	64.7	65.4	64.6	65.8	65.1	66.0	65.2	64.6	65.8	64.8	65.5	65.2	64.8	64.3	64.7	65.2
2	0:00:10	64.6	65.4	64.7	65.7	65.1	66.0	65.2	64.7	65.7	64.9	65.5	65.2	64.8	64.5	64.9	65.3
3	0:00:15	64.5	65.4	64.9	65.7	65.2	66.0	65.2	64.8	65.7	65.0	65.5	65.4	64.8	64.7	65.0	65.3
4	0:00:20	64.4	65.3	64.9	65.6	65.3	65.9	65.1	64.9	65.7	65.0	65.5	65.4	64.8	64.8	65.0	65.4
5	0:00:25	64.3	65.3	64.9	65.6	65.3	65.9	65.1	64.8	65.7	65.1	65.5	65.4	64.8	64.7	65.0	65.4
6	0:00:30	64.2	65.2	64.9	65.6	65.3	65.9	65.1	64.7	65.6	65.1	65.5	65.4	64.8	64.7	64.8	65.3
7	0:00:35	64.1	65.2	64.9	65.5	65.3	65.9	65.1	64.7	65.6	65.1	65.5	65.5	64.8	64.7	64.8	65.3
8	0:00:40	63.9	65.2	64.9	65.5	65.4	65.9	65.1	64.7	65.6	65.1	65.5	65.5	64.9	64.6	64.7	65.4
9	0:00:45	63.8	65.2	64.9	65.5	65.4	65.9	65.1	64.7	65.5	65.1	65.5	65.5	64.9	64.6	64.4	65.3
10	0:00:50	63.6	65.2	64.8	65.5	65.4	65.9	65.1	64.7	65.5	65.2	65.5	65.5	64.9	64.5	64.5	65.2
11	0:00:55	63.5	65.2	64.7	65.5	65.4	65.9	65.0	64.6	65.5	65.1	65.5	65.5	64.9	64.5	64.6	65.2
12	0:01:00	63.3	65.2	64.7	65.5	65.4	65.9	65.0	64.5	65.5	65.1	65.5	65.5	64.9	64.2	64.6	65.2
13	0:01:05	63.1	65.1	64.7	65.5	65.3	65.9	65.0	64.4	65.4	65.1	65.5	65.5	64.9	64.1	64.6	65.1
14	0:01:10	62.9	65.1	64.7	65.5	65.3	65.9	65.0	64.5	65.4	65.1	65.5	65.5	64.9	64.2	64.6	65.1
15	0:01:15	62.7	65.1	64.7	65.5	65.3	65.9	65.0	64.5	65.4	65.0	65.5	65.5	64.9	64.3	64.6	65.1
16	0:01:20	62.6	65.1	64.7	65.5	65.4	65.9	65.0	64.5	65.4	65.0	65.5	65.5	64.9	64.3	64.6	65.1
17	0:01:25	62.3	65.1	64.7	65.5	65.4	65.9	65.0	64.4	65.4	65.0	65.5	65.5	65.0	64.3	64.6	65.1
18	0:01:30	62.1	65.1	64.6	65.5	65.3	65.9	64.9	64.4	65.3	65.0	65.4	65.4	64.9	64.0	64.5	65.1
19	0:01:35	61.7	65.1	64.6	65.5	65.3	65.9	64.9	64.3	65.2	64.9	65.4	65.4	64.9	63.9	64.5	65.0
20	0:01:40	61.4	65.1	64.6	65.5	65.3	65.9	64.9	64.2	65.2	64.9	65.4	65.4	64.9	63.6	64.4	65.0
21	0:01:45	61.2	65.0	64.7	65.5	65.3	65.9	64.9	64.1	65.2	64.9	65.4	65.4	65.0	63.3	64.2	65.0
22	0:01:50	60.9	65.0	64.6	65.5	65.3	65.9	64.8	63.8	65.2	64.9	65.4	65.4	64.9	61.7	64.1	65.0
23	0:01:55	60.5	65.0	64.6	65.5	63.8	65.9	64.7	62.6	65.2	64.8	65.4	65.4	64.9	57.0	60.2	65.0
1921	2:40:05	25.4	25.4	25.4	26.3	25.7	25.9	26.0	27.2	26.3	25.2	25.4	25.4	25.6	26.3	25.5	25.7
1922	2:40:10	25.3	25.4	25.4	26.4	25.7	25.9	26.0	27.2	26.3	25.2	25.5	25.4	25.6	26.4	25.6	25.7
1923	2:40:15	25.4	25.4	25.4	26.3	25.7	25.9	26.0	27.2	26.3	25.2	25.5	25.4	25.6	26.4	25.6	25.7
1924	2:40:20	25.3	25.4	25.4	26.4	25.7	25.9	26.0	27.2	26.3	25.2	25.5	25.4	25.6	26.4	25.6	25.7
1925	2:40:25	25.4	25.4	25.4	26.3	25.7	25.9	26.0	27.2	26.3	25.2	25.5	25.4	25.6	26.4	25.6	25.7
1926	2:40:30	25.3	25.4	25.4	26.3	25.7	25.9	26.0	27.2	26.3	25.2	25.5	25.4	25.6	26.4	25.6	25.7
1927	2:40:35	25.4	25.4	25.4	26.3	25.7	25.9	26.0	27.2	26.3	25.2	25.5	25.4	25.6	26.4	25.6	25.7
1928	2:40:40	25.3	25.4	25.4	26.4	25.7	25.9	26.0	27.2	26.3	25.2	25.5	25.4	25.6	26.4	25.6	25.7
1929	2:40:45	25.4	25.4	25.4	26.3	25.7	25.9	26.0	27.2	26.3	25.2	25.5	25.4	25.6	26.4	25.6	25.7
1930	2:40:50	25.3	25.4	25.4	26.3	25.7	25.8	26.0	27.2	26.3	25.2	25.4	25.4	25.6	26.4	25.6	25.7
1931	2:40:55	25.3	25.4	25.3	26.3	25.7	25.9	26.0	27.1	26.3	25.2	25.5	25.4	25.6	26.3	25.5	25.7
1932	2:41:00	25.3	25.4	25.3	26.3	25.6	25.8	26.0	27.2	26.3	25.2	25.4	25.4	25.6	26.3	25.5	25.6
1933	2:41:05	25.3	25.4	25.3	26.3	25.7	25.9	26.0	27.1	26.3	25.2	25.4	25.4	25.6	26.3	25.5	25.6
1934	2:41:10	25.3	25.4	25.3	26.3	25.6	25.8	26.0	27.2	26.3	25.2	25.4	25.4	25.6	26.3	25.6	25.6
1935	2:41:15	25.3	25.4	25.3	26.3	25.6	25.9	26.0	27.1	26.3	25.2	25.4	25.4	25.6	26.3	25.5	25.6
1936	2:41:20	25.3	25.4	25.3	26.3	25.6	25.8	26.0	27.1	26.3	25.2	25.4	25.4	25.6	26.3	25.5	25.6
1937	2:41:25	25.3	25.4	25.3	26.3	25.6	25.8	26.0	27.1	26.3	25.2	25.4	25.4	25.6	26.3	25.5	25.6
1938	2:41:30	25.3	25.4	25.3	26.3	25.6	25.8	26.0	27.1	26.3	25.2	25.4	25.4	25.6	26.3	25.5	25.6

Lampiran 8. Hasil Kalibrasi 2,5 LPM

NO.	Waktu	CH17	CH18	CH19	CH20	CH21	CH22	CH23	CH24	CH25	CH26	CH27	CH28	CH31	CH32
0	0:00:00	64.3	65.2	64.5	65.2	65.3	65.6	65.1	65.7	66.1	66.6	63.4	66.5	25.3	56.8
1	0:00:05	64.8	64.9	65.3	65.3	65.2	65.6	65.1	65.6	66.1	66.7	63.4	67.0	25.4	56.3
2	0:00:10	65.1	65.2	65.3	65.3	65.3	65.5	65.2	65.6	66.2	66.5	63.4	67.1	25.2	46.0
3	0:00:15	65.2	65.2	65.3	65.5	65.3	65.6	65.2	65.7	66.2	66.5	63.4	67.3	25.3	52.9
4	0:00:20	64.9	65.3	65.2	65.6	65.4	65.4	65.2	65.7	66.2	66.4	63.4	67.3	25.2	54.2
5	0:00:25	65.1	65.3	65.2	65.6	65.4	65.5	65.2	65.6	66.2	66.3	63.4	67.4	25.3	54.8
6	0:00:30	65.1	65.3	65.3	65.6	65.4	65.5	65.2	65.6	66.2	66.3	63.4	67.5	25.2	55.4
7	0:00:35	65.3	65.3	65.3	65.6	65.5	65.5	65.2	65.6	66.2	66.3	63.4	67.4	25.3	51.3
8	0:00:40	65.2	65.3	65.3	65.6	65.4	65.5	65.2	65.7	66.2	66.3	63.4	67.4	25.3	51.3
9	0:00:45	65.2	65.3	65.3	65.6	65.4	65.5	65.2	65.7	66.2	66.3	63.4	67.4	25.5	53.4
10	0:00:50	65.2	65.4	65.3	65.6	65.4	65.5	65.2	65.7	66.2	66.3	63.4	67.4	25.5	54.1
11	0:00:55	65.2	65.4	65.3	65.6	65.3	65.5	65.2	65.6	66.2	66.3	63.3	67.3	26.8	56.6
12	0:01:00	64.7	65.4	65.4	65.6	65.3	65.4	65.2	65.6	66.2	66.2	63.3	67.3	26.8	57.9
13	0:01:05	64.7	65.3	65.3	65.6	65.2	65.3	65.2	65.5	66.2	66.3	63.3	67.3	26.8	57.0
14	0:01:10	65.1	65.3	65.3	65.6	65.2	65.3	65.2	65.5	66.2	66.2	63.3	67.3	26.8	58.3
15	0:01:15	65.2	65.3	65.3	65.5	65.2	65.3	65.2	65.5	66.3	66.2	63.3	67.3	26.8	58.1
16	0:01:20	65.1	65.2	65.2	65.5	65.2	65.3	65.3	65.5	66.2	66.2	63.3	67.3	26.8	56.0
17	0:01:25	65.1	65.3	65.2	65.5	65.2	65.3	65.3	65.5	66.3	66.2	63.3	67.3	26.9	57.4
18	0:01:30	65.1	65.3	65.2	65.5	65.2	65.3	65.3	65.5	66.3	66.2	63.3	67.3	26.9	57.6
19	0:01:35	65.1	65.3	65.2	65.5	65.2	65.3	65.3	65.5	66.2	66.2	63.2	67.3	26.9	58.5
20	0:01:40	65.1	65.2	65.2	65.5	65.2	65.3	65.3	65.5	66.2	66.2	63.2	67.2	26.9	58.5
21	0:01:45	65.0	65.2	65.2	65.5	65.2	65.3	65.3	65.5	66.2	66.2	63.2	67.2	27.0	57.5
22	0:01:50	64.9	65.2	65.2	65.5	65.1	65.3	65.3	65.5	66.3	66.1	63.2	67.2	27.0	58.8
23	0:01:55	62.8	65.2	65.2	63.8	65.2	65.3	65.3	65.5	66.2	66.2	63.2	66.6	27.0	57.5
1922	2:40:10	26.0	25.8	26.7	26.6	26.1	25.7	27.3	26.5	25.9	26.0	26.2	27.4	26.2	34.6
1923	2:40:15	26.0	25.8	26.7	26.6	26.1	25.7	27.3	26.5	25.9	26.0	26.2	27.4	26.2	34.5
1924	2:40:20	26.0	25.8	26.7	26.6	26.2	25.7	27.3	26.5	25.9	26.0	26.2	27.4	26.2	34.5
1925	2:40:25	26.0	25.8	26.7	26.6	26.2	25.7	27.3	26.5	25.9	26.0	26.2	27.3	26.1	34.5
1926	2:40:30	26.0	25.8	26.7	26.6	26.2	25.7	27.3	26.5	25.9	26.0	26.2	27.3	26.1	34.5
1927	2:40:35	26.0	25.8	26.7	26.6	26.2	25.7	27.3	26.5	25.9	26.0	26.2	27.4	26.1	34.5
1928	2:40:40	26.0	25.8	26.7	26.6	26.1	25.7	27.3	26.5	25.9	26.0	26.2	27.4	26.1	34.5
1929	2:40:45	26.0	25.7	26.7	26.6	26.2	25.7	27.3	26.5	25.9	26.0	26.2	27.4	26.1	34.5
1930	2:40:50	26.0	25.7	26.7	26.6	26.1	25.7	27.3	26.5	26.0	26.1	26.2	27.5	26.1	34.5
1931	2:40:55	26.0	25.7	26.7	26.6	26.1	25.7	27.3	26.5	26.0	26.1	26.2	27.5	26.1	34.5
1932	2:41:00	26.0	25.7	26.7	26.6	26.1	25.7	27.3	26.5	25.9	26.0	26.2	27.4	26.0	34.4
1933	2:41:05	26.0	25.7	26.7	26.5	26.1	25.7	27.3	26.5	25.9	26.0	26.2	27.4	26.0	34.4
1934	2:41:10	26.0	25.7	26.7	26.5	26.1	25.7	27.3	26.5	25.9	26.0	26.2	27.4	26.0	34.4
1935	2:41:15	25.9	25.7	26.7	26.5	26.1	25.7	27.3	26.5	25.9	26.0	26.2	27.4	26.0	34.4
1936	2:41:20	25.9	25.7	26.7	26.5	26.1	25.7	27.3	26.5	25.9	26.0	26.2	27.4	26.0	34.1
1937	2:41:25	26.0	25.7	26.7	26.5	26.1	25.7	27.3	26.5	25.9	26.0	26.2	27.4	26.0	34.2
1938	2:41:30	25.9	25.7	26.7	26.5	26.1	25.7	27.3	26.4	25.9	26.0	26.2	27.4	26.0	34.2

Lampiran 9. Kalibrasi Rotameter

No.	Rotameter	DC Power Supply		Debit Aktual		Suhu Air		Q aktual
		Voltase	Arus	Volume	Waktu	Awal	Akhir	
	[LPM]	[Volt]	[Ampere]	[mL]	[detik]	[°C]	[°C]	LPM
1	0.2	1.8	0.4	100	17.66	28	28	0.34
2	0.35	2.1	0.42	100	12.79	28	28	0.47
3	0.5	2.6	0.44	100	9.6	28	28	0.63
4	0.75	3.9	0.51	100	6.81	28	28	0.88
5	1	4.6	0.56	100	5.34	28	28	1.12
6	1.25	5.5	0.62	100	4.66	28	28	1.29
7	1.5	6.1	0.67	100	3.21	28	28	1.87
8	1.75	7	0.74	100	2.61	28	28	2.30
9	2	8	0.81	100	2.41	28	28	2.49
10	2.25	8.9	0.89	100	2.24	28	28	2.68
11	2.5	10.1	0.95	100	2.15	28	28	2.79
12	2.75	10.8	1	100	1.94	28	28	3.09
13	3	11.8	1.06	100	1.67	28	28	3.59



Debit	Hasil Kalibrasi
LPM	LPM
1	1.21
1.5	1.78
2	2.36
2.5	2.94