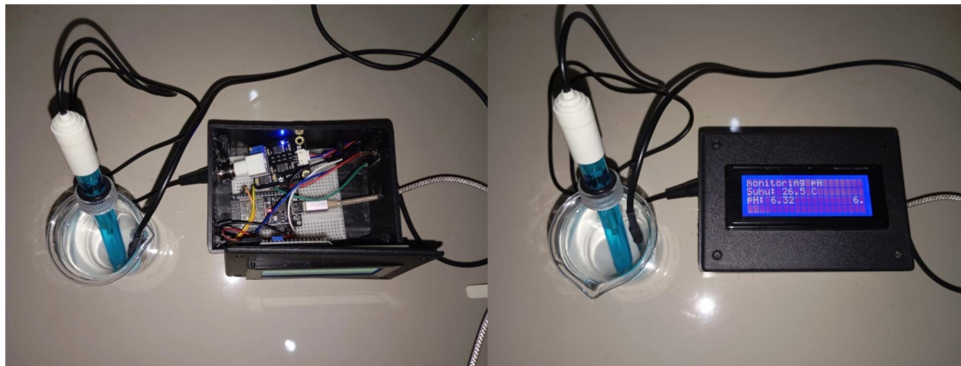


LAMPIRAN

Lampiran 1 Merancang alat



Lampiran 2 Hasil rancangan alat



Lampiran 3 Larutan *buffer* standar untuk kalibrasi sensor pH SEN0161



Lampiran 4 Sampel limbah buatan dan lingkungan



Lampiran 5 Pengambilan data sampel air sungai Desa Bakung



Lampiran 6 Validasi *output* media antarmuka pengguna



Lampiran 7 Data monitoring pH limbah

Tanggal	Jam	Suhu (°C)	pH	EC (us/cm)	Konsentrasi Logam berat (ppm)	Perulangan ke-
14/05/25	07.19	27,1°	5.72	177	112	1
14/05/25	07.20	27,1°	5.70	186	119	2
14/05/25	07.20	27°	5.71	180	115	3
14/05/25	07.21	27°	5.73	170	109	4
14/05/25	07.22	27°	5.69	172	110	5
14/05/25	07.23	27°	5.71	174	111	6
14/05/25	07.23	27,1°	5.70	174	111	7
14/05/25	07.25	27°	5.72	176	113	8
14/05/25	07.26	27°	5.71	180	115	9
14/05/25	07.28	27°	5.70	173	109	10
14/05/25	11.34	25,4°	5.43	178	112	1
14/05/25	11.34	25,4°	5.41	177	113	2
14/05/25	11.35	25,4°	5.42	175	112	3
14/05/25	11.36	25,4°	5.44	175	112	4
14/05/25	11.38	25,4°	5.40	169	108	5
14/05/25	11.38	25,4°	5.42	170	108	6
14/05/25	11.41	26°	5.41	170	108	7
14/05/25	11.42	25,2°	5.43	169	107	8
14/05/25	11.42	25°	5.42	171	108	9
14/05/25	11.43	25°	5.41	171	108	10
14/05/25	16.07	25°	5.16	160	103	1
14/05/25	16.08	25°	5.14	160	103	2
14/05/25	16.09	25,1°	5.15	159	102	3
14/05/25	16.09	25,1°	5.17	161	103	4
14/05/25	16.10	25°	5.13	165	105	5
14/05/25	16.11	25°	5.15	161	103	6
14/05/25	16.12	25°	5.14	158	101	7
14/05/25	16.12	25°	5.16	158	101	8
14/05/25	16.13	25°	5.15	156	100	9
14/05/25	16.15	25°	5.14	153	101	10
14/05/25	22.30	27,3°	4.90	151	97	1
14/05/25	22.30	27,3°	4.88	154	98	2
14/05/25	22.31	27,3°	4.89	154	98	3

Tanggal	Jam	Suhu (°C)	pH	EC (us/cm)	Konsentrasi Logam berat (ppm)	Perulangan ke-
14/05/25	22.32	27,3°	4.91	154	98	4
14/05/25	22.33	27,3°	4.87	155	98	5
14/05/25	22.33	27,3°	4.89	155	99	6
14/05/25	22.34	27,3°	4.88	154	98	7
14/05/25	22.34	27,3°	4.90	154	98	8
14/05/25	22.35	27,3°	4.89	157	101	9
14/05/25	22.35	27,3°	4.88	159	102	10
15/05/25	08.52	24,9°	4.66	148	95	1
15/05/25	08.53	24,9°	4.64	151	97	2
15/05/25	08.58	24,9°	4.65	148	95	3
15/05/25	08.59	24,9°	4.67	148	95	4
15/05/25	09.01	24,9°	4.63	150	96	5
15/05/25	09.01	24,9°	4.65	145	92	6
15/05/25	09.02	25,2°	4.64	145	92	7
15/05/25	09.02	25,2°	4.66	145	92	8
15/05/25	09.03	25,2°	4.65	144	92	9
15/05/25	09.04	25,2°	4.64	148	94	10
15/05/25	13.01	26,5°	4.43	148	95	1
15/05/25	13.02	26,5°	4.41	148	95	2
15/05/25	13.05	26,5°	4.42	150	96	3
15/05/25	13.05	26,5°	4.44	148	95	4
15/05/25	13.06	26,5°	4.40	146	93	5
15/05/25	13.06	26,5°	4.42	146	93	6
15/05/25	13.07	26,5°	4.41	146	93	7
15/05/25	13.07	26,5°	4.43	145	93	8
15/05/25	13.08	26,5°	4.42	145	93	9
15/05/25	13.08	26,5°	4.41	146	94	10
15/05/25	17.21	27,8°	4.21	142	91	1
15/05/25	17.22	27,8°	4.19	145	93	2
15/05/25	17.23	27,8°	4.20	145	93	3
15/05/25	17.23	27,8°	4.22	148	95	4
15/05/25	17.24	27,8°	4.18	148	95	5
15/05/25	17.24	27,8°	4.20	145	93	6
15/05/25	17.25	28°	4.19	143	92	7

Tanggal	Jam	Suhu (°C)	pH	EC (us/cm)	Konsentrasi Logam berat (ppm)	Perulangan ke-
15/05/25	17.25	28,1°	4.21	143	92	8
15/05/25	17.26	28,1°	4.20	143	92	9
15/05/25	17.28	28,1°	4.19	140	90	10
15/05/25	19.05	28,3°	4.00	142	90	1
15/05/25	19.06	28°	3.98	142	90	2
15/05/25	19.06	28,3°	3.99	135	87	3
15/05/25	19.07	28,2°	4.01	135	87	4
15/05/25	19.08	28,2°	3.97	142	89	5
15/05/25	19.09	28,2°	3.99	140	90	6
15/05/25	19.11	28,2°	3.98	135	87	7
15/05/25	19.13	28,3°	4.00	137	88	8
15/05/25	19.13	28,3°	3.99	135	87	9
15/05/25	19.16	28,3°	3.98	135	87	10