

Table 1. The chemical components of the samples R = river; S = spring ; W = well; σ = error (charge-balance error) (Hartanto et al., 2019)

ID	T (°C)	pH	EC (μS/cm)	R (Ω-m)	Sal (%)	TDS	Na	K	Ca	Mg	HCO3	CO3	Cl	SO4	SiO ₂	σ
						(mg/L)										
1R	27.7	7.65	222	45	0.01	144.30	18.02	4.57	18.40	5.84	97.50	0	27.55	3.36	54.59	-3.08
2R	26.2	7.11	64	156.4	0	41.60	8.12	2.72	8.00	2.95	52.70	0	8.26	2.16	37.58	-3.51
3W	26.8	6.16	262	38.2	0.01	170.30	9.79	0.56	28.40	9.00	139.66	0	17.91	3.147	39.91	-4.80
4W	29.7	6.00	269	37.2	0.01	174.85	11.61	1.24	26.80	5.59	92.23	0	28.92	11.666	34.24	-4.81
5W	27.7	6.69	473	21.2	0.02	307.45	16.13	6.94	57.20	8.27	208.18	0	34.44	14.895	46.59	-3.08
6S	30.4	6.49	210	47.6	0.01	136.50	7.49	4.36	30.20	10.30	115.95	0	37.19	2.275	94.32	-3.54
7S	42.6	6.75	1240	8	0.06	806.00	32.18	15.42	30.00	20.67	191.06	0	80.00	2.525	119.36	-4.30
8S	23.6	6.50	187	53.5	0.01	121.55	5.87	3.55	18.80	8.32	110.68	0	11.02	2.356	91.65	-4.94
10S	29.5	6.43	221	45.1	0.01	143.65	6.95	4.57	22.20	8.27	123.85	0	12.40	2.587	97.33	-4.87
11S	44.0	6.78	1298	7.7	0.06	843.70	54.18	32.24	70.20	36.97	405.82	0	123.00	2.169	126.70	-2.21
12S	41.4	6.88	1760	5.7	0.09	1144.00	60.69	56.61	74.80	69.18	585.01	0	179.00	2.284	128.37	-4.16
13S	41.3	6.62	2410	4.1	0.12	1566.50	86.70	42.99	102.80	86.67	624.68	0	298.00	2.649	124.03	-4.37
14W	27.2	6.76	505	19.8	0.02	328.25	12.62	6.74	49.00	21.38	213.35	0	63.36	3.538	65.61	-4.21
15R	29.2	6.93	239	41.9	0.01	155.35	6.95	4.50	24.20	7.84	100.14	0	27.55	2.809	64.61	-4.36
16W	30.5	6.69	612	16.6	0.03	397.80	38.65	18.12	62.20	46.83	542.99	0	38.57	3.111	85.64	-4.96
17W	31.2	6.63	1576	6.3	0.08	1024.40	60.07	16.57	70.60	64.10	373.32	41.46	192.00	2.854	99.66	-4.60
19R	23.5	7.56	97	103.8	0.00	63.05	1.14	1.51	16.20	4.40	65.88	0	8.26	2.064	53.59	-3.69
20S	25.1	5.95	116	86.2	0.01	75.40	2.10	2.94	16.40	4.65	68.51	0	11.02	2.516	52.60	-4.17
21R	25.0	7.10	73	136.6	0.00	47.45	1.69	1.65	11.40	3.68	47.43	0	8.26	2.275	52.93	-3.46
22S	25.3	6.11	46	216	0.00	29.90	1.25	1.11	9.40	2.46	34.26	0	6.89	2.364	40.25	-3.27
23S	27.6	6.55	140	71.8	0.01	91.00	2.77	2.80	10.80	5.35	45.26	0	9.64	2.96	75.96	4.28
24R	27.7	7.21	141	70.7	0.01	91.65	2.50	2.60	15.80	6.11	79.06	5.18	8.26	3.209	66.28	-9.34
25S	27.7	5.70	169	59.2	0.01	109.79	5.07	6.94	15.20	4.16	60.61	0	16.53	8.412	70.96	-4.34
26S	27.9	5.84	170	58.7	0.01	110.50	4.13	3.89	17.20	5.86	73.66	7.78	8.26	3.583	92.65	-4.55
27S	25.8	6.22	151	66.2	0.01	98.15	3.31	3.35	15.60	5.86	61.15	6.78	11.02	5.006	78.63	-4.87
28R	29.7	7.61	159	63.1	0.01	103.35	3.72	2.53	13.60	5.86	57.88	4.18	11.02	5.957	54.27	-4.65
29S	49.1	7.27	1155	8.7	0.06	750.75	36.62	25.94	55.80	28.46	288.39	31.21	68.87	14.21	145.07	-4.05
31S	49.7	6.32	2790	2.6	0.20	1813.50	212.25	102.43	116.80	78.64	214.60	32.58	771.00	9.683	152.73	-4.74
33S	51.8	6.48	2850	3.5	0.14	1852.50	147.83	67.32	70.60	40.24	232.58	58.86	376.00	6.251	157.07	-4.84