

DAFTAR PUSTAKA

- Aisyah, S., & S. Nomosatryo. 2016. Distribusi Spasial dan Temporal Nutrien di Danau Tempe , Sulawesi Selatan Spatial and Temporal Distribution of Nutrient in Lake Tempe , South Sulawesi Abstrak Pendahuluan 1:31–45.
- Alabaster, J. S., & R. Lloyd. 1982. Water Quality Criteria for Freshwater Fish. Second edi. Butterworths, London.
- Allagan, D. K. B., M. Siagian, & A. H. Simarmata. 2019. Kondisi Lomnologis Danau Pekak Berdasarkan Parameter Fisika – Kimia di Desa Buluh Nipis Kabupaten Kampar Provinsi Riau.
- Araoye, P. A. 2009. The seasonal variation of pH and dissolved oxygen (DO₂) concentration in Asa lake Ilorin, Nigeria. *International Journal of Physical Sciences* 4:271–274.
- Asnil, K. Mudikdjo, S. Hardjoamidjojo, & A. Ismail. 2013. Analisis Kebijakan Pemanfaatan Sumberdaya Danau yang Berkelanjutan (Studi Kasus Danau Maninjau Sumatera Barat). *Jurnal Pengelolaan Sumberdaya Alam dan Lingkungan* 3:1–9.
- Asrini, N. K., I. W. S. Adnyana, & I. N. Rai. 2017. Studi Analisis Kualitas Air di Daerah Aliran Sungai Pakerisan Provinsi Bali. *Jurnal Ecotrophic* 11:101–107.
- Boyd, C. E., & F. Lichtkoppler. 1979. Water Quality Management In Pond Fish Culture Research and Development Series. *International Center for Aquaculture* 22:1–30.
- Casalí, J., R. Giménez, J. Díez, J. Álvarez-Mozos, J. Del Valle de Lersundi, M. Goñi, M. A. Campo, Y. Chahor, R. Gastesi, & J. López. 2010. Sediment production and water quality of watersheds with contrasting land use in Navarre (Spain). *Agricultural Water Management* 97:1683–1694.
- Dewi, M., S. Bin, & A. Omar. 2020. Kebiasaan Makanan Ikan Sapu-Sapu (Pterygoplichthys Multiradiatus Hancock, 1828) di Perairan Danau Sidenreng, Kabupaten Sidenreng Rappang, Sulawesi Selatan. *Prosiding Simposium Nasional VII Kelautan dan Perikanan*:255–266.
- Djoharam, V., E. Rianti, & M. Yani. 2018. Analisis Kualitas Air dan Daya Tampung Beban Pencemaran Sungai Pesanggrahan di Wilayah Provinsi DKI Jakarta. *Jurnal Pengelolaan Sumberdaya Alam dan Lingkungan* 8:127–133.
- Effendi, H. 2003. Telaah Kualitas Air. Kanisius, Yogyakarta.
- Elvince, R. 2021. Kajian Kualitas Air Danau Hanjalutung untuk Kegiatan Perikanan di Kelurahan Petuk Katimpun , Kota Palangka Raya , 09:30–41.
- Gp Eragradhini, A. R. 2014. Biologi Reproduksi Ikan Bungo (Glossogobius giuris , Hamilton-Buchanan 1822) di Danau Tempe , Sulawesi Selatan. [Thesis].
- Hamakonda, U. A., B. Suharto, & L. D. Susanawati. 2019. Analisis Kualitas Air Dan Beban Pencemaran Air Pada Sub Das Boentuka Kabupaten Timor Tengah Selatan. *Jurnal Teknologi Pertanian Andalas* 23:56.
- Hamuna, B., R. H. R. Tanjung, Suwito, H. K. Maury, & Alianto. 2018. Kajian Kualitas Air Laut dan Indeks Pencemaran Berdasarkan Parameter Fisika-Kimia Di Perairan Distrik Depapre , Jayapura. *Jurnal Ilmu Lingkungan* 16:35–43.

- Hardiyanti, T. 2015. Analisis Kuantitas dan Kualitas Air Danau Unhas Sebagai Sumber Air Baku Ipa Unhas:1–11.
- Hariato, E., & I. Efendi. 2021. Analisis Fisika Kimia Perairan Untuk Pemilihan Lokasi Budidaya Ikan Kerapu (Serranidae) di Teluk Saleh Kabupaten Sumbawa, Nusa Tenggara Barat dengan Metode Storet dan Analisis Multivariat. *Jurnal Akuakultur Sungai dan Danau* 2:25–42.
- Hariyadi, S., Suryadiputra, & B. Widigdo. 1992a. Prosedur Penentuan Karbondioksida (CO₂).
- Hariyadi, S., Suryadiputra, & B. Widigdo. 1992b. Prosedur Penentuan Chemical Oxygen Demand (COD).
- Harlina. 2021. Limnologi Kajian Menyeluruh Mengenai Perairan Darat. Page (C. Gunawan and A. Hamdillah, Eds.). Gunawana Lestari, Makassar.
- Hasibuan, H., A. H. Simarmata, & C. Sihotang. 2014. The Vertical Profile of Dissolved Oxygen On The Bakuok Lake in Aursati Village Tambang Subdistrict Kampar District Riau Province:1–7.
- Hasrianti, Surianti, R. S. Puti, Damis, M. R. Rahmat, & S. H. Arif. 2020a. Analisis Pengaruh Ledakan Populasi Ikan Sapu-Sapu (Pterygoplichthys Spp) Terhadap Pendapatan Nelayan Jaring Insang di Perairan Danau Sidenreng. *Jurnal EnviroScienteeae* 16:382–388.
- Hasrianti, Surianti¹, & M. R. R. Razak. 2020b. Pengaruh Ledakan Populasi Ikan Sapu-Sapu (Pterygoplichthys Spp) Terhadap Produksi Hasil Tangkapan Jaring Insang di Perairan Danau Sidenreng. *Jurnal Albacore* 4:13–19.
- Idrus, S. W. Al. 2018. Analisis Kadar Karbon Dioksida di Sungai Ampenan Lombok. *Jurnal Pijar MIPA* 13:167–170.
- Indrawati, A., & D. A. Tanti. 2015. Pengukuran pH dan Konduktivitas Air Hujan Untuk Pemantauan Kualitas Udara di Daerah Bandung. *Berita Dirgantara* 18:53–60.
- Isnaini, A. 2011. Penilaian Kualitas Air Dan Kajian Potensi Situ Salam Sebagai Wisata Air Di Universitas Indonesia, Depok. Universitas Indonesia.
- Juma, D., H. Wang, & L. Fengting. 2013. Impacts of population growth and economic development on water quality of a lake : case study of Lake Vltoria Kenya. *Environmental Science*.
- Karim, M. 2021. Analisis kualitas air di perairan tongging danau toba kecamatan merek kabupaten karo provinsi sumatera utara. *[Skripsi]* Universita.
- Lihawa, F., & M. Mahmud. 2017. Evaluasi Karakteristik Kualitas Air Danau Limboto. *Jurnal Pengelolaan Sumberdaya Alam dan Lingkungan* 7:260–266.
- Lumantobing, N. 2019. Konsentrasi N-Nitrogen (amonia, nitrat, nitrit) dan Fosfat pada Kondisi Pasang Surut di Perairan Muara Sungai Banyuasin Sumatera Selatan. *[Skripsi]*.
- Mahsyar, N., & E. R. Wijaya. 2020. Analisis Kualitas Air dan Metode Pengendalian Pencemaran Air Sungai Bangkala Kabupaten Jeneponto. Muhammadiyah Makassar.
- Manune, S. Y., K. M. Nono, & D. E. R. Damanik. 2019. Analisis Kualitas Air pada

- Sumber Mata Air di Desa Tolnaku Kecamatan Fatule'u Kabupaten Kupang Nusa Tenggara Timur. *Biotropikal Sains* 16:40–53.
- Mardhia, D., & V. Abdullah. 2018. Studi Analisis Kualitas Air Sungai Brangbiji Sumbawa Besar. *Jurnal Biologi Tropis* 18:182–189.
- Mende, J. C. C., V. A. Kumurur, & I. L. Moniaga. 2015. Kajian Sistem Pengelolaan Air Limbah pada Permukiman di Kawasan Sekitar Danau Tondano (Studi Kasus : Kecamatan Remboken Kabupaten Minahasa). *Sabua* 7:395–406.
- Muarif, M. 2016. Karakteristik Suhu Perairan Di Kolam Budidaya Perikanan. *Jurnal Mina Sains* 2:96–101.
- Muthifah, L., Nurhayati, & K. P. Utomo. 2018. Analisis Kualitas Air Danau Kandung Suli Kecamatan Jongkong Kabupaten Kapuas Hulu. *Jurnal Teknologi Lingkungan Lahan Basah* 6:1–10.
- Nugraha, M. F. I., A. Julzarika, A. Radjamuddin, Reflinur, R. Yunita, W. Enggarini, & H. Novita. 2019. Studi Tanaman Air dan Ekologi-Fisika Danau Tempe , Sulawesi Selatan Study of aquatic plants and ecological- physics Tempe Lake , Sulawesi Selatan Abstrak Pendahuluan Pulau Sulawesi merupakan salah satu pulau besar di Indonesia yang memiliki kekayaan biota. *Torani* 2:105–115.
- Nurfatimah, F. M., L. Ode, A. Afu, A. G. Pratikino, M. Jurusan, I. Kelautan, K. M. Utara, & T. Alat. 2019. Sebaran Total Suspended Solid (TSS) Permukaan di Perairan Desa Wawatu, Kecamatan Moramo Utara Kabupaten Konawe Selatan. *Jurnal Sapa Laut* 4:123–126.
- Paputungan, I. A., R. C. Sondakh, & J. M. Umboh. 2020. Gambaran Kadar Limbah Cair Berdasarkan Parameter BOD (Biological Oxygen Demand), COD (Chemical Oxygen Demand) dan pH (Power Of Hydrogen) di Rumah Sakit Umum Daerah Kota Kotamobagu. *Jurnal KESMAS* 9:107–115.
- Patricia, C., W. Astono, & D. I. Hendrawan. 2018. Kandungan Nitrat dan Fosfat di Sungai Ciliwung. *Seminar Nasional Cendekiawan ke 4*:179–185.
- Purnama, S. G. 2016. Eurotrofikasi dan Dampak Bagi Lingkungan Sekitar : Kasus di Danau Buyan.
- Purnamasari, D. E. 2017. Penentuan Status Mutu Air Kali Wonokromo dengan Metode Storet dan Indeks Pencemar. *Tugas Akhir*:1–114.
- Qomariya, N. 2017. Produktivitas Primer Perairan di Waduk Lahor Kabupaten Malang, Jawa Timur. Jawa Timur.
- Radella, S. 2020. Produktivitas Primer dengan Metode Oksigen di Danau Betung Desa Betung Kecamatan Pangkalan Kuras Kabupaten Pelalawan Provinsi Riau:0–14.
- Ramadhan, R., & I. A. Yusanti. 2020. Studi Kadar Nitrat Dan Fosfat Perairan Rawa Banjiran Desa Sedang Kecamatan Suak Tapeh Kabupaten Banyuasin. *Jurnal Ilmu-ilmu Perikanan dan Budidaya Perairan* 15:37.
- Razak, A. R., H. Sambu, A. Anwar, & Burhanudddin. 2020. Kajian Pengelolaan Sumerdaya Perairan di Danau Tempe Berbasis Kearifan Lokal. *Ilmiah Ecosystem* 20:248–254.
- Salim, D., Yuliyanto, & Baharuddin. 2017. Karakteristik Parameter Oseanografi Fisika-Kimia Perairan Pulau Kerumpunan Kabupaten Kotabaru Kalimantan Selatan.

- Salmin. 2005. Oksigen Terlarut (DO) Dan Kebutuhan Oksigen Biologi (BOD) Sebagai Salah Satu Indikator Untuk Menentukan Kualitas Perairan. *Oseana* XXX:21–26.
- Sarif, A. J., D. J. Kusen, N. P. Pangemanan, R. D. Monijung, & O. J. Kalesaran. 2019. Analisis parameter fisika kimia air pada lokasi karamba jaring tancap di Danau Tondano Kabupaten Minahasa Provinsi Sulawesi Utara. *Jurnal Budidaya Perairan* 7:1–12.
- Sentosa, A. A., D. A. Hediarto, & H. Satria. 2017. Dugaan Eutrofikasi di Danau Matano Ditinjau dari Komunitas Fitoplankton dan Kualitas Perairan. *LIMNOTEK Perairan Darat Tropis di Indonesia* 24:61–73.
- Setyorini, H. B., & E. Maria. 2019. Kandungan Nitrat Dan Fosfat Di Pantai Jungwok , Kabupaten Gunungkidul , Yogyakarta Nitrat and Phosphate Contents in Water Surface of Jungwok Beach , Gunungkidul District , Yogyakarta. *Sumberdaya Perairan* 13:87–93.
- Siahaan, F. T. 2017. Analisis Parameter Fisika Kimia Air di Danau Buatan Perumnas Griya Martubung Kecamatan Medan Labuhan Kota Madya Medan. Sumatera Utara.
- Sidrap, P. 2016. Rencana Kerja Pembangunan Daerah Kabupaten Sidenreng Rappang.
- Sinaga, E. L. R., A. Muhtadi, & D. Bakti. 2016. Profil Suhu, Oksigen Terlarut, dan pH Secara Vertikal Selama 24 Jam di Danau Kelapa Gading Kabupaten Asahan Sumatera Utara. *Jurnal Omni-Akuatika* 12:114–124.
- SNI, 06.2480.1991. 1991. Analisa Kadar Nitrat (dengan metode brusin sulfat).
- SNI, 06.6989.31.2005. 2005. Air dan air limbah – Bagian 31 : Cara uji kadar fosfat dengan spektrofotometer secara asam askorbat.
- SNI, 6989.11.2019. 2019a. Air dan air limbah – Bagian 11: Cara uji derajat keasaman (pH) dengan menggunakan alat pH meter.
- SNI, 6989.3:2019. 2019b. Air dan air limbah – Bagian 3: Cara uji padatan tersuspensi total (total suspended solids/TSS) secara gravimetri.
- Soliha, E., S. S. Rahayu, & Triastinurmiatiningsih. 2016. Kualitas Air dan Keanekaragaman Plankton di Danau Cikaret, Cibinong, Bogor. *Jurnal Ekologia* 16:1–10.
- Suhry, H. C., T. R. Soeprbowati, T. R. Saraswati, & Jumari. 2020. Kualitas Air dan Indeks Pencemaran Danau Galela. *Jurnal Ilmu Lingkungan* 18:236–241.
- Sukmawati, N. M. H., A. Pratiwi, & N. W. Rusni. 2019. Kualitas Air Danau Batur Berdasarkan Parameter Fisikokimia dan Nsfwqi. *Jurnal Wicaksana* 3:53–60.
- Tampubolon, Y. C. 2020. Analisis kualitas air dan tingkat pencemaran di danau toba desa sipinggah kabupaten samosir sumatera utara skripsi. *[Skripsi]*:6.
- Urbasa, P. A., S. L. Undap, & R. J. Rompas. 2015. Dampak Kualitas Air Pada Budi Daya Ikan Dengan Jaring Tancap Di Desa Toulimbet Danau Tondano. *Jurnal Budidaya Perairan* 3:59–67.

- Wijaya, D., Samuel, & P. R. P. Masak. 2009. Kajian Kualitas Air dan Potensi Produksi Sumber daya Ikan di Danau Towuti , Sulawesi Selatan. *Bawal* 2:291–297.
- Winnarsih, Emiyarti, & A. L. O. Alirman. 2016. Distribusi Total Suspended Solid Permukaan di Perairan Teluk Kendari. *Sapa Laut* 1:54–59.
- Yahra, S. 2020. Analisis Kandungan Nitrat dan Fosfat serta Keterkaitannya dengan Kerapatan Mangrove di Pantai Labu Kabupaten Deli Serdang. *[Skripsi]*.
- Yulis, P. A. R., Desti, & A. Febliza. 2018. Analisis Kadar DO , BOD , dan COD Air Sungai Kuantan Terdampak Penambangan Emas Tanpa Izin.
- Zaharuddin, N. 2016. Penentuan Kualitas Air di Perairan Danau Kelapa Gading Kota Kisaran Kabupaten Asahan Provinsi Sumatera Utara. *[Skripsi]*.
- Zulfia, N., & Aisyah. 2013. Status Trofik Perairan Rawa Pening Ditinjau Dari Kandungan unsur hara (No3 dan PO4) serta klorofil-a. *Bawal* 5:189–199.
- Zulti, F., & Sugiarti. 2015. Fluktuasi pH, Oksigen Terlrut dan Nutrien di Danau Towuti. *Jurnal Limnotek* 22:170–177.

LAMPIRAN

- Hasil uji di laboratorium

1. Bulan Juli

NO	Parameter	Satuan	Kode Sampel								
			Wette'e			Teteaji			Mojong		
			W1	W2	W3	T1	T2	T3	M1	M2	M3
	I. PHYSICS										
1	Suhu	°C	28.7	29.0	29.2	28.9	29.2	29.5	28.3	28.9	29.3
2	Zat Padat Tersuspensi (TSS)	mg/l	56.2	56.0	62.3	98.2	100.0	97.2	62.2	68.0	68.5
	II. CHEMICALS										
3	pH	.	7.79	7.87	7.89	7.68	7.81	7.85	7.72	7.74	7.82
4	Dissolved Oxygen (DO)	mg/l	5.42	5.44	5.52	6.38	6.02	6.05	6.40	6.32	6.27
5	Chemical Oxygen Demand (COD)	mg/l	5.52	7.36	3.68	11.04	5.52	7.36	5.52	7.36	5.52
6	Carbon Dioxide (CO ₂)	mg/l	6.3	6.0	5.7	5.9	5.5	6.2	6.3	5.2	6.3
7	Nitrat (NO ₃)	mg/l	0.2560	0.2581	0.2589	0.3912	0.3920	0.382	0.2041	0.2065	0.208
8	Total Phosphorus (T-P)	mg/l	0.0612	0.0618	0.0628	0.1102	0.1109	0.1124	0.1235	0.1200	0.1262

2. Bulan Agustus

NO	Parameter	Satuan	Kode Sampel								
			Wette'e			Teteaji			Mojong		
			W1	W2	W3	T1	T2	T3	M1	M2	M3
	I. PHYSICS										
1	Suhu	°C	29.5	29.2	29.4	29.02	29.73	29.36	29.36	29.55	29.72
2	Zat Padat Tersuspensi (TSS)	mg/l	88.1	90.6	91.3	91.9	88.9	90.1	91.6	88.9	86.6
	II. CHEMICALS										
3	pH	.	7.17	7.15	7.16	7.27	7.24	7.25	7.26	7.28	7.22
4	Dissolved Oxygen (DO)	mg/l	4.89	5.01	5.09	5.02	4.81	4.92	5.98	6.07	6.21
5	Chemical Oxygen Demand (COD)	mg/l	5.52	9.20	9.20	5.52	12.88	7.36	9.20	12.88	7.36
6	Carbon Dioxide (CO ₂)	mg/l	6.8	6.0	5.9	6.3	6.3	6.2	7.1	6.8	5.9
7	Nitrat (NO ₃)	mg/l	0.0580	0.1449	0.2942	0.3720	0.3243	0.4166	0.4266	0.4505	0.4320
8	Total Phosphorus (T-P)	mg/l	0.0907	0.0972	0.0963	0.1021	0.0940	0.1048	0.0998	0.0998	0.0975

3. Bulan September

NO	Parameter	Satuan	Kode Sampel								
			Wette'e			Teteaji			Mojong		
			W1	W2	W3	T1	T2	T3	M1	M2	M3
	I. PHYSICS										
1	Suhu	°C	29.1	29.1	28.9	28.58	28.64	29.05	29.33	29.56	29.63
2	Zat Padat Tersuspensi (TSS)	mg/l	83.2	83.0	85.4	92.3	86.9	89.2	98.5	100.0	98.0
	II. CHEMICALS										
3	pH	.	6.62	6.56	6.45	6.23	6.13	6.06	6.3	6.34	6.36
4	Dissolved Oxygen (DO)	mg/l	4.89	4.91	4.92	4.91	5.01	4.93	5.38	5.14	5.09
5	Chemical Oxygen Demand (COD)	mg/l	7.36	7.36	12.88	11.04	9.20	13.20	20.24	18.40	14.72
6	Carbon Dioxide (CO ₂)	mg/l	6.8	7.0	6.3	7.4	6.3	5.9	6.8	6.3	6.3
7	Nitrat (NO ₃)	mg/l	0.4225	0.4243	0.3281	0.4982	0.5051	0.4953	0.4389	0.3935	0.3420
8	Total Phosphorus (T-P)	mg/l	0.1025	0.1235	0.1232	0.1278	0.1284	0.1281	0.0986	0.1027	0.1053

- Hasil uji menggunakan Indeks Pencemaran
1. Bulan Juli
 - a) Stasiun 1

WETTE'E	Satuan	Cij	Lij	Cij/Lij	Ci/Lij baru
I. PHYSICS					
Suhu	°C	28.97	25-32	0.13	0.13
Zat Padat Tersuspensi (TSS)	mg/L	58.17	100	0.58	0.58
PH	-	7.85	6 - 9	0.23	0.23
Dissolved Oxygen (DO)	mg/L	5.46	3	0.13	0.13
Chemical Oxygen Demand (COD)	mg/L	5.52	40	0.14	0.14
Carbon Dioxide (CO2)	mg/L	6.00	12	0.50	0.50
Nitrat (NO3)	mg/L	0.26	1.90	0.14	0.14
Total Phosphorus (T-P)	mg/L	0.06	0.1	0.62	0.62
Ci/Lij M	0.62				
Ci/Lij R	0.31				
Pij	0.490				

- b) Stasiun 2

TETEAJI	Satuan	Cij	Lij	Cij/Lij	Ci/Lij baru
I. PHYSICS					
Suhu	°C	29.20	25 - 32	0.20	0.20
Zat Padat Tersuspensi (TSS)	mg/L	98.47	100	0.98	0.98
Ph	-	7.78	6 - 9	0.19	0.19
Dissolved Oxygen (DO)	mg/L	6.15	3	0.07	0.07
Chemical Oxygen Demand (COD)	mg/L	7.97	40	0.20	0.20
Carbon Dioxide (CO2)	mg/L	5.87	12	0.49	0.49
Nitrat (NO3)	mg/L	0.39	1.90	0.20	0.20
Total Phosphorus (T-P)	mg/L	0.11	0.1	1.11	0.23
Ci/Lij M	0.98				
Ci/Lij R	0.32				
Pij	0.729				

c) Stasiun 3

MOJONG	Satuan	Cij	Lij	Cij/Lij	Ci/Lij baru
I. PHYSICS					
Suhu	°C	28.83	25 -32	0.10	0.10
Zat Padat Tersuspensi (TSS)	mg/L	66.23	100	0.66	0.66
Ph	-	7.76	6 - 9	0.17	0.17
Dissolved Oxygen (DO)	mg/L	6.33	3	0.06	0.06
Chemical Oxygen Demand (COD)	mg/L	6.13	40	0.15	0.15
Carbon Dioxide (CO ₂)	mg/L	5.93	12	0.49	0.49
Nitrat (NO ₃)	mg/L	0.21	1.90	0.11	0.11
Total Phosphorus (T-P)	mg/L	0.12	0.1	1.23	0.45
Ci/Lij M	0.66				
Ci/Lij R	0.27				
Pij	0.505				

- Bulan Agustus

a) Stasiun 1

WETTE'E	Satuan	Cij	Lij	Cij/Lij	Ci/Lij baru
I. PHYSICS					
Suhu	°C	29.37	25 - 32	0.25	0.25
Zat Padat Tersuspensi (TSS)	mg/l	90	100	0.90	0.90
Ph		7.16	6 - 9	-0.23	-0.23
Dissolved Oxygen (DO)	mg/l	5.00	3	0.17	0.17
Chemical Oxygen Demand (COD)	mg/l	7.97	40	0.20	0.20
Carbon Dioxide (CO ₂)	mg/l	6.23	12	0.52	0.52
Nitrat (NO ₃)	mg/l	0.17	1.9	0.09	0.09
Total Phosphorus (T-P)	mg/l	0.09	0.1	0.95	0.95
Ci/Lij M	0.950				
Ci/Lij R	0.356				
Pij	0.717				

b) Stasiun 2

TETEAJI	Satuan	Cij	Lij	Cij/Lij	Ci/Lij baru
I. PHYSICS					
Suhu	°C	29.37	25 - 32	0.25	0.25
Zat Padat Tersuspensi (TSS)	mg/l	90.3	100	0.90	0.90
Ph		7.25	6 - 9	-0.16	-0.16
Dissolved Oxygen (DO)	mg/l	4.92	3	0.17	0.17
Chemical Oxygen Demand (COD)	mg/l	8.59	40	0.21	0.21
Carbon Dioxide (CO ₂)	mg/l	6.27	12	0.52	0.52
Nitrat (NO ₃)	mg/l	0.37	1.9	0.20	0.20
Total Phosphorus (T-P)	mg/l	0.10	0.1	1.00	1.00
Ci/Lij M	1.00				
Ci/Lij R	0.39				
Pij	0.758				

c) Stasiun 3

MOJONG	Satuan	Cij	Lij	Cij/Lij	Ci/Lij baru
I. PHYSICS					
Suhu	°C	29.54	25 - 32	0.30	0.30
Zat Padat Tersuspensi (TSS)	mg/l	89.03	100	0.89	0.89
Ph	-	7.25	6 - 9	-0.16	-0.16
Dissolved Oxygen (DO) (WQC)	mg/l	6.09	3	0.08	0.08
Chemical Oxygen Demand (COD)	mg/l	9.81	40	0.25	0.25
Carbon Dioxide (CO ₂)	mg/l	6.60	12	0.55	0.55
Nitrat (NO ₃)	mg/l	0.44	1.9	0.23	0.23
Total Phosphorus (T-P)	mg/l	0.10	0.1	0.99	0.99
Ci/Lij M	0.99				
Ci/Lij R	0.39				
Pij	0.752				

- Bulan September

a) Stasiun 1

WETTE'E	Satuan	Cij	Lij	Cij/Lij	Ci/Lij baru
I. PHYSICS					
Suhu	°C	29.03	25 - 32	0.15	0.15
Zat Padat Tersuspensi (TSS)	mg/l	83.9	100	0.84	0.84
Ph		6.54	6 - 9	-0.64	-0.64
Dissolved Oxygen (DO) (WQC)	mg/l	4.91	3	0.17	0.17
Chemical Oxygen Demand (COD)	mg/l	9.20	40	0.23	0.23
Carbon Dioxide (CO ₂)	mg/l	6.70	12	0.56	0.56
Nitrat (NO ₃)	mg/l	0.39	1.9	0.21	0.21
Total Phosphorus (T-P)	mg/l	0.12	0.1	1.16	0.33
Ci/Lij M	0.84				
Ci/Lij R	0.231				
Pij	0.615				

b) Stasiun 2

TETEAJI	Satuan	Cij	Lij	Cij/Lij	Ci/Lij baru
I. PHYSICS					
Suhu	°C	28.76	25-32	0.07	0.07
Zat Padat Tersuspensi (TSS)	mg/l	89.5	100	0.89	0.89
Ph		6.14	6 - 9	-0.91	-0.91
Dissolved Oxygen (DO) (WQC)	mg/l	4.95	3	0.17	0.17
Chemical Oxygen Demand (COD)	mg/l	11.15	40	0.28	0.28
Carbon Dioxide (CO ₂)	mg/l	6.53	12	0.54	0.54
Nitrat (NO ₃)	mg/l	0.50	1.9	0.26	0.26
Total Phosphorus (T-P)	mg/l	0.13	0.1	1.28	0.54
Ci/Lij M	0.89				
Ci/Lij R	0.232				
Pij	0.654				

c) Stasiun 3

MOJONG	Satuan	Cij	Lij	Cij/Lij	Ci/Lij baru
I. PHYSICS					
Suhu	°C	29.51	25 - 32	0.29	0.29
Zat Padat Tersuspensi (TSS)	mg/l	98.8	100	0.99	0.99
Ph		6.33	6 - 9	-0.78	-0.78
Dissolved Oxygen (DO) (WQC)	mg/l	5.20	3	0.15	0.15
Chemical Oxygen Demand (COD)	mg/l	17.79	40	0.44	0.44
Carbon Dioxide (CO ₂)	mg/l	6.47	12	0.54	0.54
Nitrat (NO ₃)	mg/l	0.39	1.9	0.21	0.21
Total Phosphorus (T-P)	mg/l	0.10	0.1	1.02	0.05
Ci/Lij M	0.99				
Ci/Lij R	0.24				
Pij	0.718				

- Hasil uji Kruskal Wallis
- Hasil Uji Kruskal-Wallis bulan Juli

Table Analyzed	SUHU 1
Kruskal-Wallis test	
P value	0.6643
Exact or approximate P value?	Exact
P value summary	ns
Do the medians vary signif. (P < 0.05)?	No
Number of groups	3
Kruskal-Wallis statistic	1.107
Data summary	
Number of treatments (columns)	3
Number of values (total)	9

Dunn's multiple comparisons test	Mean rank diff.	Significant?	Summary	Adjusted P Value	
Wette'E vs. Teteaji	-1.833	No	ns	>0.9999	A-B
Wette'E vs. Mojong	0.3333	No	ns	>0.9999	A-C
Teteaji vs. Mojong	2.167	No	ns	0.9855	B-C

Table Analyzed	TSS 1
Kruskal-Wallis test	
P value	0.0107
Exact or approximate P value?	Exact
P value summary	*
Do the medians vary signif. (P < 0.05)?	Yes
Number of groups	3
Kruskal-Wallis statistic	6.489
Data summary	
Number of treatments (columns)	3
Number of values (total)	9

Dunn's multiple comparisons test	Mean rank diff.	Significant?	Summary	Adjusted P Value	
Wette'E vs. Teteaji	-5.667	Yes	*	0.0338	A-B
Wette'E vs. Mojong	-2.333	No	ns	0.8902	A-C
Teteaji vs. Mojong	3.333	No	ns	0.4081	B-C

Table Analyzed	PH 1
Kruskal-Wallis test	
P value	0.3393
Exact or approximate P value?	Exact
P value summary	ns
Do the medians vary signif. (P < 0.05)?	No
Number of groups	3
Kruskal-Wallis statistic	2.489
Data summary	
Number of treatments (columns)	3
Number of values (total)	9

Dunn's multiple comparisons test	Mean rank diff.	Significant?	Summary	Adjusted P Value	
Wette'E vs. Teteaji	2.667	No	ns	0.6991	A-B
Wette'E vs. Mojong	3.333	No	ns	0.4081	A-C
Teteaji vs. Mojong	0.6667	No	ns	>0.9999	B-C

Table Analyzed	DO 1
Kruskal-Wallis test	
P value	0.025
Exact or approximate P value?	Exact
P value summary	*
Do the medians vary signif. (P < 0.05)?	Yes
Number of groups	3
Kruskal-Wallis statistic	5.956
Data summary	
Number of treatments (columns)	3
Number of values (total)	9

Dunn's multiple comparisons test	Mean rank diff.	Significant?	Summary	Adjusted P Value	
Wette'E vs. Teteaji	-3.667	No	ns	0.3032	A-B
Wette'E vs. Mojong	-5.333	No	ns	0.0512	A-C
Teteaji vs. Mojong	-1.667	No	ns	>0.9999	B-C

Table Analyzed	COD 1
Kruskal-Wallis test	
P value	0.5714
Exact or approximate P value?	Exact
P value summary	ns
Do the medians vary signif. (P < 0.05)?	No
Number of groups	3
Kruskal-Wallis statistic	1.686
Data summary	
Number of treatments (columns)	3
Number of values (total)	9

Dunn's multiple comparisons test	Mean rank diff.	Significant?	Summary	Adjusted P Value	
Wette'E vs. Teteaji	-2.667	No	ns	0.6134	A-B
Wette'E vs. Mojong	-0.8333	No	ns	>0.9999	A-C
Teteaji vs. Mojong	1.833	No	ns	>0.9999	B-C

Table Analyzed	CO2 (1)
Kruskal-Wallis test	
P value	0.8071
Exact or approximate P value?	Exact
P value summary	ns
Do the medians vary signif. (P < 0.05)?	No
Number of groups	3
Kruskal-Wallis statistic	0.6437
Data summary	
Number of treatments (columns)	3
Number of values (total)	9

Dunn's multiple comparisons test	Mean rank diff.	Significant?	Summary	Adjusted P Value	
Wette'E vs. Teteaji	1.333	No	ns	>0.9999	A-B
Wette'E vs. Mojong	-0.3333	No	ns	>0.9999	A-C
Teteaji vs. Mojong	-1.667	No	ns	>0.9999	B-C

Table Analyzed	Nitrat 1
Kruskal-Wallis test	
P value	0.0036
Exact or approximate P value?	Exact
P value summary	**
Do the medians vary signif. (P < 0.05)?	Yes
Number of groups	3
Kruskal-Wallis statistic	7.2
Data summary	
Number of treatments (columns)	3
Number of values (total)	9

Dunn's multiple comparisons test	Mean rank diff.	Significant?	Summary	Adjusted P Value	
Wette'E vs. Teteaji	-3	No	ns	0.5391	A-B
Wette'E vs. Mojong	3	No	ns	0.5391	A-C
Teteaji vs. Mojong	6	Yes	*	0.0219	B-C

Table Analyzed	Phospat 1
Kruskal-Wallis test	
P value	0.0036
Exact or approximate P value?	Exact
P value summary	**
Do the medians vary signif. (P < 0.05)?	Yes
Number of groups	3
Kruskal-Wallis statistic	7.2
Data summary	
Number of treatments (columns)	3
Number of values (total)	9

Dunn's multiple comparisons test	Mean rank diff.	Significant?	Summary	Adjusted P Value	
Wette'E vs. Teteaji	-3	No	ns	0.5391	A-B
Wette'E vs. Mojong	-6	Yes	*	0.0219	A-C
Teteaji vs. Mojong	-3	No	ns	0.5391	B-C

- Hasil Uji Kruskal-Wallis bulan Agustus

Table Analyzed	Suhu 2
Kruskal-Wallis test	
P value	0.7143
Exact or approximate P value?	Exact
P value summary	ns
Do the medians vary signif. (P < 0.05)?	No
Number of groups	3
Kruskal-Wallis statistic	0.8291
Data summary	
Number of treatments (columns)	3
Number of values (total)	9

Dunn's multiple comparisons test	Mean rank diff.	Significant?	Summary	Adjusted P Value	
Wette'E vs. Teteaji	-0.1667	No	ns	>0.9999	A-B
Wette'E vs. Mojong	-1.833	No	ns	>0.9999	A-C
Teteaji vs. Mojong	-1.667	No	ns	>0.9999	B-C

Table Analyzed	TSS 2
Kruskal-Wallis test	
P value	0.8179
Exact or approximate P value?	Exact
P value summary	ns
Do the medians vary signif. (P < 0.05)?	No
Number of groups	3
Kruskal-Wallis statistic	0.5602
Data summary	
Number of treatments (columns)	3
Number of values (total)	9

Dunn's multiple comparisons test	Mean rank diff.	Significant?	Summary	Adjusted P Value	
Wette'E vs. Teteaji	-0.8333	No	ns	>0.9999	A-B
Wette'E vs. Mojong	0.8333	No	ns	>0.9999	A-C
Teteaji vs. Mojong	1.667	No	ns	>0.9999	B-C

Table Analyzed	pH 2
Kruskal-Wallis test	
P value	0.0714
Exact or approximate P value?	Exact
P value summary	ns
Do the medians vary signif. (P < 0.05)?	No
Number of groups	3
Kruskal-Wallis statistic	5.422
Data summary	
Number of treatments (columns)	3
Number of values (total)	9

Dunn's multiple comparisons test	Mean rank diff.	Significant?	Summary	Adjusted P Value	
Wette'E vs. Teteaji	-4.333	No	ns	0.1579	A-B
Wette'E vs. Mojong	-4.667	No	ns	0.1107	A-C
Teteaji vs. Mojong	-0.3333	No	ns	>0.9999	B-C

Table Analyzed	DO 2
Kruskal-Wallis test	
P value	0.05
Exact or approximate P value?	Exact
P value summary	*
Do the medians vary signif. (P < 0.05)?	No
Number of groups	3
Kruskal-Wallis statistic	5.6
Data summary	
Number of treatments (columns)	3
Number of values (total)	9

Dunn's multiple comparisons test	Mean rank diff.	Significant?	Summary	Adjusted P Value	
Wette'E vs. Teteaji	1	No	ns	>0.9999	A-B
Wette'E vs. Mojong	-4	No	ns	0.2209	A-C
Teteaji vs. Mojong	-5	No	ns	0.076	B-C

Table Analyzed	COD 2
Kruskal-Wallis test	
P value	0.8286
Exact or approximate P value?	Exact
P value summary	ns
Do the medians vary signif. (P < 0.05)?	No
Number of groups	3
Kruskal-Wallis statistic	0.6372
Data summary	
Number of treatments (columns)	3
Number of values (total)	9

Dunn's multiple comparisons test	Mean rank diff.	Significant?	Summary	Adjusted P Value	
Wette'E vs. Teteaji	0	No	ns	>0.9999	A-B
Wette'E vs. Mojong	-1.5	No	ns	>0.9999	A-C
Teteaji vs. Mojong	-1.5	No	ns	>0.9999	B-C

Table Analyzed	CO2 (2)
Kruskal-Wallis test	
P value	0.7
Exact or approximate P value?	Exact
P value summary	ns
Do the medians vary signif. (P < 0.05)?	No
Number of groups	3
Kruskal-Wallis statistic	0.8205
Data summary	
Number of treatments (columns)	3
Number of values (total)	9

Dunn's multiple comparisons test	Mean rank diff.	Significant?	Summary	Adjusted P Value	
Wette'E vs. Teteaji	-1	No	ns	>0.9999	A-B
Wette'E vs. Mojong	-2	No	ns	>0.9999	A-C
Teteaji vs. Mojong	-1	No	ns	>0.9999	B-C

Table Analyzed	Nitrat 2
Kruskal-Wallis test	
P value	0.0036
Exact or approximate P value?	Exact
P value summary	**
Do the medians vary signif. (P < 0.05)?	Yes
Number of groups	3
Kruskal-Wallis statistic	7.2
Data summary	
Number of treatments (columns)	3
Number of values (total)	9

Dunn's multiple comparisons test	Mean rank diff.	Significant?	Summary	Adjusted P Value	
Wette'E vs. Teteaji	-3	No	ns	0.5391	A-B
Wette'E vs. Mojong	-6	Yes	*	0.0219	A-C
Teteaji vs. Mojong	-3	No	ns	0.5391	B-C

Table Analyzed	Phospat 2
Kruskal-Wallis test	
P value	0.2179
Exact or approximate P value?	Exact
P value summary	ns
Do the medians vary signif. (P < 0.05)?	No
Number of groups	3
Kruskal-Wallis statistic	3.317
Data summary	
Number of treatments (columns)	3
Number of values (total)	9

Dunn's multiple comparisons test	Mean rank diff.	Significant?	Summary	Adjusted P Value	
Wette'E vs. Teteaji	-3.667	No	ns	0.2989	A-B
Wette'E vs. Mojong	-3.333	No	ns	0.4032	A-C
Teteaji vs. Mojong	0.3333	No	ns	>0.9999	B-C

- Hasil Uji Kruskal-Wallis bulan September

Table Analyzed	Suhu 3
Kruskal-Wallis test	
P value	0.0071
Exact or approximate P value?	Exact
P value summary	**
Do the medians vary signif. (P < 0.05)?	Yes
Number of groups	3
Kruskal-Wallis statistic	6.543
Data summary	
Number of treatments (columns)	3
Number of values (total)	9

Dunn's multiple comparisons test	Mean rank diff.	Significant?	Summary	Adjusted P Value	
Wette'E vs. Teteaji	2.333	No	ns	0.8841	A-B
Wette'E vs. Mojong	-3.333	No	ns	0.4032	A-C
Teteaji vs. Mojong	-5.667	Yes	*	0.0328	B-C

Table Analyzed	TSS 3
Kruskal-Wallis test	
P value	0.0036
Exact or approximate P value?	Exact
P value summary	**
Do the medians vary signif. (P < 0.05)?	Yes
Number of groups	3
Kruskal-Wallis statistic	7.2
Data summary	
Number of treatments (columns)	3
Number of values (total)	9

Dunn's multiple comparisons test	Mean rank diff.	Significant?	Summary	Adjusted P Value	
Wette'E vs. Teteaji	-3	No	ns	0.5391	A-B
Wette'E vs. Mojong	-6	Yes	*	0.0219	A-C
Teteaji vs. Mojong	-3	No	ns	0.5391	B-C

Table Analyzed	pH 3
Kruskal-Wallis test	
P value	0.0036
Exact or approximate P value?	Exact
P value summary	**
Do the medians vary signif. (P < 0.05)?	Yes
Number of groups	3
Kruskal-Wallis statistic	7.2
Data summary	
Number of treatments (columns)	3
Number of values (total)	9

Dunn's multiple comparisons test	Mean rank diff.	Significant?	Summary	Adjusted P Value	
Wette'E vs. Teteaji	6	Yes	*	0.0219	A-B
Wette'E vs. Mojong	3	No	ns	0.5391	A-C
Teteaji vs. Mojong	-3	No	ns	0.5391	B-C

Table Analyzed	DO 3
Kruskal-Wallis test	
P value	0.0143
Exact or approximate P value?	Exact
P value summary	*
Do the medians vary signif. (P < 0.05)?	Yes
Number of groups	3
Kruskal-Wallis statistic	6.252
Data summary	
Number of treatments (columns)	3
Number of values (total)	9

Dunn's multiple comparisons test	Mean rank diff.	Significant?	Summary	Adjusted P Value	
Wette'E vs. Teteaji	-2	No	ns	>0.9999	A-B
Wette'E vs. Mojong	-5.5	Yes	*	0.0405	A-C
Teteaji vs. Mojong	-3.5	No	ns	0.348	B-C

Table Analyzed	COD 3
Kruskal-Wallis test	
P value	0.0214
Exact or approximate P value?	Exact
P value summary	*
Do the medians vary signif. (P < 0.05)?	Yes
Number of groups	3
Kruskal-Wallis statistic	6.006
Data summary	
Number of treatments (columns)	3
Number of values (total)	9

Dunn's multiple comparisons test	Mean rank diff.	Significant?	Summary	Adjusted P Value	
Wette'E vs. Teteaji	-1.667	No	ns	>0.9999	A-B
Wette'E vs. Mojong	-5.333	Yes	*	0.0498	A-C
Teteaji vs. Mojong	-3.667	No	ns	0.2989	B-C

Table Analyzed	CO2 (3)
Kruskal-Wallis test	
P value	0.8071
Exact or approximate P value?	Exact
P value summary	ns
Do the medians vary signif. (P < 0.05)?	No
Number of groups	3
Kruskal-Wallis statistic	0.6606
Data summary	
Number of treatments (columns)	3
Number of values (total)	9

Dunn's multiple comparisons test	Mean rank diff.	Significant?	Summary	Adjusted P Value	
Wette'E vs. Teteaji	1.5	No	ns	>0.9999	A-B
Wette'E vs. Mojong	1.5	No	ns	>0.9999	A-C
Teteaji vs. Mojong	0	No	ns	>0.9999	B-C

Table Analyzed	Nitrat 3
Kruskal-Wallis test	
P value	0.0714
Exact or approximate P value?	Exact
P value summary	ns
Do the medians vary signif. (P < 0.05)?	No
Number of groups	3
Kruskal-Wallis statistic	5.422
Data summary	
Number of treatments (columns)	3
Number of values (total)	9

Dunn's multiple comparisons test	Mean rank diff.	Significant?	Summary	Adjusted P Value	
Wette'E vs. Teteaji	-4.667	No	ns	0.1107	A-B
Wette'E vs. Mojong	-0.3333	No	ns	>0.9999	A-C
Teteaji vs. Mojong	4.333	No	ns	0.1579	B-C

Table Analyzed	Phospat 3
Kruskal-Wallis test	
P value	0.025
Exact or approximate P value?	Exact
P value summary	ns
Do the medians vary signif. (P < 0.05)?	Yes
Number of groups	3
Kruskal-Wallis statistic	5.956
Data summary	
Number of treatments (columns)	3
Number of values (total)	9

Dunn's multiple comparisons test	Mean rank diff.	Significant?	Summary	Adjusted P Value	
Wette'E vs. Teteaji	-3.667	No	ns	0.3032	A-B
Wette'E vs. Mojong	1.667	No	ns	>0.9999	A-C
Teteaji vs. Mojong	5.333	No	ns	0.0512	B-C

- Foto kegiatan selama penelitian



- (KONDISI DI SEKITAR STASIUN 1)



- (KONDISI STASIUN 2)



- (KONDISI DI STASIUN 3)

