

CURICULLUM VITAE



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Publons :

Research Interest

- Toxicology of the marine environment, Aquaculture

Educations

- [Kyushu University](#), Fukuoka, Japan
2010–2013: Ph.D. at the Marine Environmental Sciences
- [Sam Ratulangi University](#), Manado, Indonesia
1996–2000: M.Si. in Marine Aquatic Science
- [Sam Ratulangi University](#), Manado, Indonesia
1988–1992: Bachelor's in Fisheries Science: Management Resources Aquatic

Teaching Subjects

1. Manajemen Kualitas Air (Bachelor's Program)
2. Kesehatan Ikan (Bachelor's Program)
3. Toxicology of the marine environment (Bachelor's Program)
4. Kesehatan Ikan (Bachelor's Program)
5. Pencemaran Laut dan Kesehatan Ikan (Master's Program)
6. Management of environmental governance aquaculture

Publications (Undap, SL)

1. **2021.** Contamination of heavy metals, polychlorinated dibenzo-p-dioxins/furans and dioxin-like polychlorinated biphenyls in wharf roach *Ligia* spp. In japanese intertidal and supratidal zones. *Applied Sciences* **11** (4): 1–14, 1856. <https://doi.org/10.3390/app11041856>
2. **2020.** Banggai Cardinalfish (*Pterapogon kauderni*) Potential as Bioaccumulator of Tributyltin Contamination in the Water of Bitung. *Jurnal Ilmiah Platax* **8** (2): 17–187. <https://doi.org/10.35800/jip.8.2.2020.29713>
3. **2020.** Development Strategy of Hygienic Fish Marketing in Samudra Fishing Port of Bitung. *Jurnal Ilmiah Platax* **8** (2): 159–166. <https://doi.org/10.35800/jip.8.2.2020.29694>
4. **2020.** Efek Senyawa Timbal Asetat Terhadap Pertumbuhan Dan Kandungan Pigmen Klorofil Mikroalga *Dunaliella* sp. *Jurnal Pesisir dan Laut Tropis*, **8** (2): 1–10.

5. **2020**. Konsentrasi Merkuri (Hg) pada Air Laut di Area Budidaya Teluk Manalu Kabupaten Kepulauan Sangihe. *e-Journal Budidaya Perairan*, **8** (2): x – xx.
6. **2020**. Seleksi probiotik *Lactobacillus* sp. dari usus ikan mas (*Cyprinus carpio*) potensial untuk akuakultur. *e-Journal Budidaya Perairan*, **8** (2): x-xx.
7. **2020**. Bioaktivitas Jamur *Aspergillus flavus* yang Bersimbion dengan *Ascidia Eudistoma* sp. *Jurnal Pesisir dan Laut Tropis*, **8** (2): 21–26. <https://doi.org/10.35800/jplt.8.2.2020.28765>
8. **2019**. Aplikasi probiotik yang diisolasi dari usus ikan lele (*Clarias batrachus*) untuk meningkatkan performa pertumbuhan dan resistensi ikan mas (*Cyprinus carpio*) terhadap infeksi *Aeromonas hydrophila*. *Jurnal Ilmiah Platax* **7** (2): 358–364.
9. **2019**. Pengaruh penambahan karbon aktif terhadap pertumbuhan dan kelangsungan hidup lele (*Clarias gariepinus*) dalam wadah terkontrol. *e-Journal Budidaya Perairan*, **8** (2): x-xx.
10. **2019**. Crude extracts of *Kappaphycus alvarezii* algae cultivated in several seaweed production centers in North Sulawesi, Indonesia as immunostimulant. *AACL Bioflux*, **12** (2): 678–686.
11. **2019**. Isolasi dan amplifikasi gen 16S rRNA isolat mikroba asosiatif pada alga merah *Kappaphycus alvarezii* dari perairan Desa Belang Kab. Mitra Sulut. *Jurnal Ilmiah Platax*,
12. **2018**. Tributyltin (TBT) contamination and impacts on imposex in *Thalessa aculeata* (mollusca: Neogastropoda: Muricidae) in Minahasa Peninsula coastal waters, North Sulawesi, Indonesia. *AACL Bioflux*, **11** (1): 184–193.
13. **2018**. The Wharf Roach, *Ligia* sp., A Novel Indicator of Polycyclic Aromatic Hydrocarbon Contamination in Coastal Areas. *International Journal of Environmental Research*, **12** (1): 1–11. doi: 10.1007/s41742-017-0063-x
14. **2017**. Evaluasi kontaminasi tributyltin pada sedimen di perairan Bitung Sulawesi Utara. *Jurnal Pesisir dan Laut Tropis*, **2** (1): 44–50.
15. Pengaruh kualitas fisika kimia perairan terhadap usaha budidaya ikan di Danau Bulilin Kabupaten Minahasa Tenggara. *e-Journal Budidaya Perairan*, **5** (2): x-xx.
16. **2017**. Kajian kualitas air pada area budidaya kurungan jaring tancap (KJT) di Danau Tutud Desa Tombatu Tiga Kecamatan Tombatu Kabupaten Minahasa Tenggara. *e-Journal Budidaya Perairan*, **5** (1): x-xx.
17. **2016**. Pollution of radiocesium and radiosilver in wharf roach (*Ligia* sp.) by the Fukushima Dai-ichi Nuclear Power Plant accident. *Journal of the Radioanalytical and Nuclear Chemistry*, **311** (1) 121–126. doi: 10.1007/s10967-016-4879-1.
18. **2016**. Water quality management for aquaculture at Lake Tutud, North Sulawesi. *Jurnal Ilmiah Platax* **4** (2): xx-xx.
19. **2016**. Public perception on the application of eco-fishing port in Ocean Fishing Port of Bitung, North Sulawesi. *Aquatic Science & Management*, **4** (1): 21–27.
20. **2015**. Accumulation of perfluorooctane sulfonate in wharf roach, *Ligia* spp. *Scientific Bulletin of the Faculty of Agriculture Kyushu Univ.* **70** (1): xx-xx.
21. **2015**. Dampak Kualitas Air Pada Budi Daya Ikan Dengan Jaring Tancap Di Desa Toulimembet Danau Tondano, *Jurnal Budidaya Perairan*, **3** (1): xx-xx.
22. **2015**. Kelayakan Lokasi untuk Pengembangan Budi Daya Karang Hias di Teluk Talengen Kabupaten Kepulauan Sangihe. *Jurnal Budidaya Perairan*, **3** (1): xx-xx.
23. **2015**. Evaluasi Kondisi Lingkungan Akuakultur Pada DAS Tondano Di Kelurahan Ternate Baru Kota Manado. *Jurnal Budidaya Perairan*, **3** (1): xx-xx.
24. **2014**. Monitoring of tributyltin contamination of demersal fish in coastal water in east china sea. *Journal of the Faculty of Agriculture, Kyushu Univ.* **59** (1): 103–107.
25. **2013**. Accumulation of organotin in wharf roach (*Ligia ecotica* Roux) and its ability to serve as a biomonitoring species for coastal pollution. *Ecotoxicology and Environmental Safety*, **96**: 75–79.
26. **2013**. High tributyltin contamination in sediments from ports in Indonesia and Northern Kyushu, Japan. *Journal of the Faculty of Agriculture, Kyushu Univ.* **58** (1): xx-xx.
27. **2013**. Alterations in social behavior of Japanese medaka (*Oryzias latipes*) in response to sublethal chlorpyrifos exposure. *Chemosphere*, **92**: 125–130.

Books

1. Ekotoksikologi Akuakultur
2. Manajemen Kualitas Air Akuakulture

HKI

- Perikanan Marikultur Berbasis Kualitas Air dan Pakan Alami.
Paten Sederhana Terdaftar No. S00202101592.

Community Services

- IbM Kelompok Pembudidayaan Ikan Di Desa Tombatu 3 Kecamatan Tombatu Minahasa Tenggara
- IbM Di Desa Tombatu 3 Tentang Pengelolaan Kualitas Air Danau Tutud Untuk Budi Daya Ikan

Research Activities

- 2021.
- 2021.
- 2020. Pengembangan Media Kultur Jamur Endofitik Organisme Laut dan Identifikasi Molekular DNA
- 2019. Performa Pertumbuhan Ikan Nila Laut *Oreochromis niloticus* Dengan Pemberian Pakan Komersil Berbeda Pada *system Land-based* Akuakultur
- 2018 – 2019. Skema PKLN Monitoring of tributyltin contamination on tropical marine fish in coastal water in north sulawesi
- 2019. Analisis Kandungan Merkuri Pada Ikan Capungan Banggai (*Pterapogon kauderni*), Sedimen dan Air di Perairan Bitung
- 2018 – 2019. Skema PDUPT: Analisis toksisitas merkuri terhadap kondisi lethal ikan nila laut (marine tilapia) *Oreochromis niloticus*
- 2018. Skema PDUPT: Uji efektifitas ekstrak kasar sebagai sumber imunostimulan dari alga *Kappaphycus alvarezii* yang dikultivasi pada tiga sentra produksi rumput laut di Sulawesi Utara
- 2018. Skema RDUU: Analisis kualitas air dan hubungannya dengan keanekaragaman plankton di Perairan Bahoi Kecamatan Likupang Barat
- 2018. Skema RTUU: Aplikasi Akuakultur Multi Trofik Terintegrasi Pada Perikanan Air Payau Dengan Pengembangan Budi Daya Rumput Laut Pada Pertambakan Marine Field Station FPIK UNSRAT Di Likupang Timur
- 2015. Skema RUU: Evaluasi kontaminasi tributyltin di Perairan Bitung Sulawesi Utara
- 2009-2013. biomonitoring species for coastal pollution tributyltin contamination in sediments from ports in Indonesia and Northern Kyushu, Japan