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Prof. Dr. Ing. Ternala Alexander Barus, M.Sc. dilahirkan di Berastagi, Karo, pada tanggal 16 Oktober 1958. Beliau merupakan seorang dosen Biologi di Universitas Sumatera Utara. Beliau menyelesaikan pendidikan terakhirnya pada jenjang S3, program studi Ekologi, di Univ. Kassel pada tahun 1995.

Publications

2020

Jurnal internasional bereputasi

The impact of marine sand mining on sea water quality in Pantai Labu, Deli Serdang Regency, Indonesia

KERISTA SEBAYANG , TERNALA ALEXANDER BARUS

2022

Jurnal nasional terakreditasi

NATURAL ECOTOURISM DEVELOPMENT IN THE KRUENG GEUNIE LHOK KEUTAPANG AREA, PIDIE REGENCY

TERNALA ALEXANDER BARUS , RAHMAWATY

2013

Jurnal nasional

HUBUNGAN ANTARA KUALITAS AIR DENGAN KEBIASAAN MAKANAN IKAN BATAK (Tor soro) DI PERAIRAN SUNGAI ASAHAN SUMATERA UTARA

TERNALA ALEXANDER BARUS , SYAFRUDDIN ILYAS , Budianto Siregar

2021

Jurnal internasional bereputasi

Analysis of water quality and nutrient content in the Belawan River

TERNALA ALEXANDER BARUS

2023

Jurnal nasional terakreditasi

Analysis of Microplastic Abundance in Lake Siombak, Medan Marelan, Medan

ARIF NURYAWAN , Jaka Ramananda , TERNALA ALEXANDER BARUS

2023

Prosiding seminar internasional

Ecological conditions and coral recovery in Jaboi waters, Weh Island Sabang Indonesia

ARLEN H J , Muhammad Ali Sarong , Afkar , TERNALA ALEXANDER BARUS

2017

Monograf

Keanekaragaman Makrozoobentos dan Hubungannya dengan Penutupan Padang Lamun (Seagrass) di Perairan Mandailing Natal Sumatera Utara

TERNALA ALEXANDER BARUS

2019

Jurnal internasional bereputasi

Distribution of Nitrate, Phosphate, Dissolved Oxygen and Macrozoobenthos Density in Belawan River

TERNALA ALEXANDER BARUS

2004

Jurnal nasional terakreditasi

Faktor-faktor lingkungan abiotik dan keanekaragaman plankton sebagai indikator kualitas perairan danau toba (Environmental abiotic factors and the diversity of plankton asÃ,Â ...

TERNALA ALEXANDER BARUS

2025

Jurnal nasional terakreditasi

Pengaruh Aktivitas Keramba Jaring Apung Terhadap Daya Tampung Beban Pencemar Total Fosfo

TERNALA ALEXANDER BARUS , HAMIDAH HARAHAH , Vega Valentine Bangun

2024

Makalah ilmiah

Biodiversity and Management of Lake Toba

TERNALA ALEXANDER BARUS

2021

Jurnal internasional bereputasi

Cadmium concentration in water and sediment from lake Lau Kawar, North Sumatra

TERNALA ALEXANDER BARUS , SYAFRUDDIN ILYAS

2025

Jurnal internasional bereputasi

Nekton diversity and community structure in Belawan watershed, North Sumatera Province

TERNALA ALEXANDER BARUS , DENI EFIZON , SYAFRUDDIN ILYAS , Desrita

2004

Buku referensi

Pengantar limnologi studi tentang ekosistem air daratan

TERNALA ALEXANDER BARUS

2013

Jurnal nasional

HUBUNGAN ANTARA KUALITAS AIR DENGAN KEBIASAAN MAKANAN IKAN BATAK (Neolissochilus sumatranus) DI SUNGAI ASAHAN, SUMATERA UTARA

TERNALA ALEXANDER BARUS , SYAFRUDDIN ILYAS , Mesrawati Purba

1996

Monograf

Oekophysikalische und-chemische Faktoren des Wilhelmshauer Bachsystems und ihre Veranderung durch Nutzungseingriffe

TERNALA ALEXANDER BARUS

2024

Jurnal internasional bereputasi

Christmas tree worm Spirobranchus spp. (Annelida: Serpulidae) as indicators of coral health at Weh Island, Aceh Province, Indonesia

Afkar , Arlen Hanel John , Muhammad Ali Sarong , TERNALA ALEXANDER BARUS

2019

Jurnal internasional bereputasi

Phytoplankton diversity of Situmurun village, Toba Samosir regency, North Sumatera

TERNALA ALEXANDER BARUS

2020

Buku referensi

Limnologi

2025

Jurnal internasional bereputasi

Nekton diversity and community structure in Belawan watershed, North Sumatera province

DESRITA , TERNALA ALEXANDER BARUS , SYAFRUDDIN ILYAS , DENI EFIZON

2022

Jurnal internasional bereputasi

Coral resilience inside and outside of Pesisir Timur Pulau Weh conservation zone, Sabang City, Indonesia

TERNALA ALEXANDER BARUS

2019

Jurnal internasional bereputasi

Gastropods Community in Babura River, Medan city

TERNALA ALEXANDER BARUS

2022

Jurnal nasional terakreditasi

ASSESSMENT OF OBJECTS AND ATTRACTIONS OF KRUENG GEUNIE LHOK KEUTAPANG KABUPATEN PIDIE ACEH FOR NATURAL TOURISM

RAHMAWATY , TERNALA ALEXANDER BARUS

2007

Monograf

Keanekaragaman Hayati Ekosistem Danau Toba dan Upaya Pelestariannya

TERNALA ALEXANDER BARUS

2023

Jurnal internasional bereputasi

Gastropods As Markers In Babura River At North Sumatra

MASDIANA SINAMBELA , TERNALA ALEXANDER BARUS , BINARI MANURUNG

2022

Jurnal internasional bereputasi

Fish diversity and heavy metal accumulation of Pb, Cu and Zn after Mount Sinabung Eruption in Benuken River, North Sumatra, Indonesia

TERNALA ALEXANDER BARUS , SYAFRUDDIN ILYAS

2018

Jurnal internasional bereputasi

Macrozoobenthos diversity as bioindicator of water quality in the Bilah river, Rantauprapat

TERNALA ALEXANDER BARUS

2025

Jurnal internasional bereputasi

DNA Barcoding Shows Taxonomic Uncertainty in North Sumatran Mahseer, Neolissochilus: towards Comprehensive Revision in Indonesia

TERNALA ALEXANDER BARUS , Tri Widiyanto , OCTAVIANTO SAMIR , Ruby Vidia Kusumah , YOLANDA SIMARETHA CHRISTIANY SINUHAJI , Huria Marnis , Dwi Febrianti , MEY RISTANTI WIDORETNO , GEMA WAHYUDEWANTORO , Sekar Larashati

2021

Jurnal internasional bereputasi

Coastal Water Properties and Hydrodynamic Processes in the Malacca Strait: Case Study Northeastern Coast of Sumatra, Indonesia

TERNALA ALEXANDER BARUS

2018

Jurnal internasional bereputasi

Morphometric study of pacific oyster (Crassostrea gigas) in the coastal area of Banda Aceh

TERNALA ALEXANDER BARUS

Researches

2021

Penelitian Fundamental

DINAMIKA POPULASI UDANG PUTIH (*Penaeus merguensis* de Man) DI EKOSISTEM MANGROVE BELAWAN SUMATERA UTARA

TERNALA ALEXANDER BARUS

2021

Penelitian Tim Pasca Sarjana

Produktivitas Primer Fitoplankton di Perairan Belawan

TERNALA ALEXANDER BARUS

2022

Penelitian Dana Lokal Perguruan Tinggi

Nekton diversity and community structure in Belawan watershed, North Sumatera Province

TERNALA ALEXANDER BARUS , SYAFRUDDIN ILYAS , DENI EFIZON

2021

Penelitian Tim Pasca Sarjana

Studi Ekologi Distribusi Bivalvia Perairan Belawan Sumatera Utara

TERNALA ALEXANDER BARUS

2019

Penelitian Fundamental

Fish diversity and heavy metal accumulation of Pb, Cu and Zn after Mount Sinabung Eruption in Benuken River, North Sumatra, Indonesia

TERNALA ALEXANDER BARUS , SYAFRUDDIN ILYAS

Community Services

2022

Pengurus Yayasan Perguruan Tinggi Neumann Indonesia

TERNALA ALEXANDER BARUS

2025

Narasumber pada Focus Group Discussion (FGD) terkait Hasil Kajian Daya Dukung dan Daya Tampung Danau Toba untuk Budidaya Perikanan

NITA MARIKENA , TERNALA ALEXANDER BARUS

2025

Tim Uji Kelayakan Lingkungan Hidup, Dinas Lingkungan Hidup, Kab. Samosir.

TERNALA ALEXANDER BARUS

2025

Pengurus Yayasan Pendidikan Tinggi Neumann Indonesia (YPTNI) Periode 2025 - 2030

TERNALA ALEXANDER BARUS

2024

Tim Pelaksana Pekerjaan Enviromental Management And Monitoring Survey For Asahan No. 3 Hydroelectric Power Plant Constuction Project

TERNALA ALEXANDER BARUS , SRI ALEM BR SEMBIRING
