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Riyanto Sinaga, S.Si., M.Si. dilahirkan di Kuala Simpang pada tanggal 31 Agustus 1971. Beliau merupakan seorang dosen Biologi di Universitas Sumatera Utara. Beliau menyelesaikan pendidikan terakhirnya pada jenjang Magister (S2) Biologi di Institut Pertanian Bogor pada tahun 2005.

Publications

2026
Jurnal internasional bereputasi

Potential of Sumatran Frankincense (Styrax benzoin) In Vitro Technique for Producing Bioactive Alkaloids as a Strategy to Maintain the Preservation of Forest Plants

ISNAINI NURWAHYUNI , RIYANTO SINAGA , MANIHAR SITUMORANG

2023
Prosiding seminar internasional

Micropropagation of Sumatran Frankincense (Styrax benzoin) Forest Plants Producing Bioactive Raw Materials for Medicine

ISNAINI NURWAHYUNI , RIYANTO SINAGA , MANIHAR SITUMORANG

2022
Prosiding seminar internasional

Selection of Good Quality Mother Plant to Be Used as Sources of Explants for in Vitro Propagation of Sumatera Benzoin (Styrax Benzoin Dryander)

RIYANTO SINAGA

2022
Prosiding seminar internasional

Optimization of micropropagation technique for propagation of Sumatra benzoin (Styrax benzoin) as a step to produce good quality seedlings for conservation ofÂ ...

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2022
Prosiding seminar internasional

Optimization of micropropagation technique for propagation of Sumatra benzoin (Styrax benzoin) as a step to produce good quality seedlings for conservation of forest plants producing medicines raw materials

ISNAINI NURWAHYUNI , RIYANTO SINAGA , MANIHAR SITUMORANG

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Prosiding seminar internasional

Optimization of micropropagation technique for propagation of Sumatra benzoin (Styrax benzoin) as a step to produce good quality seedlings for conservation ofÂ ...

RIYANTO SINAGA

2020
Jurnal nasional

PENERAPAN TEKNOLOGI PENJERNIHAN AIR DENGAN BANTUAN TENAGA SURYA DAN ANTIMIKROBA KEPADA MASYARAKAT DESA TANJUNG SELAMAT KECAMATAN SUNGGAL KABUPATEN DELI SERDANG

RIYANTO SINAGA

2020
Jurnal internasional

Physiological Response of Three Varieties of Cayenne Pepper (Capsicum Frutescens) To Decreased Water Availability

SUCI RAHAYU , RIYANTO SINAGA

2020
Jurnal internasional bereputasi

Plant Regeneration through Callus Cultures from Leaf Explant of Sumatra Benzoin (Styrax benzoin)

RIYANTO SINAGA , MANIHAR SITUMORANG , ISNAINI NURWAHYUNI

2020
Buku referensi

Biologi Dasar

RIYANTO SINAGA

2019
Jurnal nasional

Utilization of plastic waste into fuel (fuel oil) in Namo Bintang Village, Deli Serdang Regency

RIYANTO SINAGA

2018
Jurnal internasional bereputasi

In vitro propagation of threatened Brastagi citrus variety Brastepu (Citrus nobilis Brastepu) CVPD free throughshoot tips subculture

RIYANTO SINAGA

2026
Prosiding seminar internasional

Optimization of micropropagation technique for propagation of Sumatra benzoin (Styrax benzoin) as a step to produce good quality seedlings for conservation ofÂ …

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2026
Buku lainnya

Modul Praktikum Mikroteknik Tumbuhan

RIYANTO SINAGA

2026
Jurnal internasional

Screening of secondary metabolite compounds of medicinal raw materials in Sumatrana Frankincense (Styrax benzoin) cultures

RIYANTO SINAGA

Researches

2025
Penelitian Fundamental

Protokol teknik kultur jaringan kemenyan Sumatra (Styrax benzoin) untuk memproduksi senyawa bioaktif bahan baku oabat

RIYANTO SINAGA , MANIHAR SITUMORANG , ISNAINI NURWAHYUNI

2021
Penelitian Unggulan Perguruan Tinggi

Mikropropagasi Kemenyan Sumatrana (Styrax benzoin) Untuk Menghasilkan Bibit Berkualitas Baik Sebagai Strategi Meningkatkan Produksi Getah Kemenyan Bahan Baku Obat

RIYANTO SINAGA , MANIHAR SITUMORANG , ISNAINI NURWAHYUNI , HASIANNA SIMORANGKIR , KRISTINA NATALIA NAINGGOLAN

2021
Penelitian Dana Lokal Perguruan Tinggi

RESPON VETIVER (Vetiveria zizanoides Linn.) AKIBAT SALINITAS TANAH BERDASARKAN KARAKTERISTIK MORFOFISIOLOGI

RIYANTO SINAGA , SUCI RAHAYU , DESI KASNAWATI POHAN , OPA RAHMADANI MANURUNG

2020

Perbanyakan In Vitro Kemenyan Sumatera (Styrax benzoin Dryander) Untuk Menyediakan Bibit Unggul Penghasil Bioaktif Bahan Obat

RIYANTO SINAGA , MANIHAR SITUMORANG , ISNAINI NURWAHYUNI , SITI NAFIK RAHMAWATI , SILVIA , ELYA MANIK

2019
Penelitian Dana Lokal Perguruan Tinggi

Morfofisiologi Rumput Vetiver (Vetiveria zizanoides L. Nash) pada beberapa Cekaman Kadar Air Tanah

RIYANTO SINAGA , SUCI RAHAYU , ICHA ALFINA , ADE YULIA SIREGAR

2015
Penelitian Unggulan Perguruan Tinggi

Strategi Biokonservasi Jeruk Keprok Brastagi (Citrus nobilis Brastepu) Menggunak

RIYANTO SINAGA , ISNAINI NURWAHYUNI

2014
Penelitian Fundamental

Strategi Biokonservasi Jeruk Keprok Brastagi (Citrus nobilis Brastepu) Menggunak

RIYANTO SINAGA , ISNAINI NURWAHYUNI

2013
Penelitian Fundamental

Keanekaragaman dan aspek taksonomi marga Pandanus Sumatera

RIYANTO SINAGA , NURSAHARA PASARIBU

Community Services

2024
Ipteks Bagi Wilayah

Pengurus Ikatan Alumni (IKA) USU Wilayah Sumatera Utara

TENGKU ERRY NURADI , RIYANTO SINAGA

2023
Ipteks Bagi Masyarakat

Pelatihan Pembuatan Herbarium Tanaman Sebagai Salah Satu Pengembangan Media Pembelajaran Biologi Berbasis Lingkungan Di SMA Swasta HKBP Sidorame Medan

ELIMASNI , RIYANTO SINAGA , ISNAINI NURWAHYUNI

2022

Ikatan Alumni Universitas Sumatera Utara

RIYANTO SINAGA , SURYATI SITEPU

2019
Ipteks Bagi Masyarakat

Pemanfaatan Sampah Plastik menjadi BBM (Bahan Bakar Minyak) di Desa Namo Bintang Kabupaten Deli Serdang

MAYANG SARI YEANNY , RIYANTO SINAGA

2018
Ipteks Bagi Masyarakat

Pemanfaatan Sampah Plastik di Desa Namo Bintang Kabupaten Deli Serdang

MAYANG SARI YEANNY , RIYANTO SINAGA

2016

Peningkatan Kesadaran Dini Siswa Tentang Kelestarian Fungsi Lingkungan Hidup

ELIMASNI , SALOMO HUTAHAEAN , ERNI JUMILAWATY , RIYANTO SINAGA , HESTI WAHYUNINGSIH

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2026
Paten nasional

PROSES ISOLASI TERPENOID BERKHASIAT OBAT DARI KULTUR KALUS KEMENYAN SUMATRA (Styrax benzoin)

ISNAINI NURWAHYUNI , RIYANTO SINAGA , MANIHAR SITUMORANG