

Edison Purba

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Prof. Ir. Edison Purba, Ph.D., born in Simalungun on January 5, 1959, is a lecturer in the Agrotechnology Study Program at the Universitas Sumatera Utara. His area of expertise is focused on Weed Science. Edison Purba completed his higher education at the doctoral level in the Crop Protection study program at Adelaide University in 1994. As an academic and researcher, he is dedicated to developing knowledge and understanding in the field of weed science to support sustainable agricultural development.

Publications

2023

Jurnal internasional bereputasi

Improvement of morphology, biochemical characters, and molecular changes of local upland rice cv. Sidikalang M3 generation through induction of gamma-ray irradiation

DIANA SOFIA HANAFIAH , EDISON PURBA

2026

Prosiding seminar nasional

Keragaman Morfologi Empat Genotipe Indigofera zollingeriana pada Lahan Salin Mendukung Pembentukan Varietas Baru Toleran Salinitas

EDISON PURBA

2024

Jurnal internasional

Production and Quality of M2 Generations of Indigofera Zollingeriana Result from Gamma-Ray Irradiation as Animal Feed and its Effect on Soil Characteristics on Saline Soil

EDISON PURBA , NEVY DIANA HANAFI

2019

Jurnal nasional terakreditasi

Pengaruh Penambahan Sabut Kelapa pada Media Tanam Terhadap Pertumbuhan Tiga Varietas Bibit Unggul Kelapa Sawit (Elaeis guineensis Jacq.) yang Bermesokarp Tebal

CHARLOQ , EDISON PURBA

2024

Jurnal internasional

Production and Quality of M2 Generations of Indigofera Zollingeriana Result from Gamma-Ray Irradiation as Animal Feed and its Effect on Soil Characteristics on Saline Soil

EDISON PURBA , NEVY DIANA HANAFI

2024

Jurnal internasional bereputasi

Bark recovery of rubber clone PB260 through application of NAA+, kinetin and oleo-chemicals

EDISON PURBA

2024
Buku referensi

Peranan Tumbuhan Air Dalam Menyerap Logam Berat Pada Lindi Tempat Pembuangan Akhir

EDISON PURBA

2024
Jurnal internasional

Production and Quality of M2 Generations of Indigofera Zollingeriana Result from Gamma-Ray Irradiation as Animal Feed and its Effect on Soil Characteristics on Saline Soil

EDISON PURBA , NEVY DIANA HANAFI

2024
Jurnal internasional

Production and Quality of M2 Generations of Indigofera Zollingeriana Result from Gamma-Ray Irradiation as Animal Feed and its Effect on Soil Characteristics on Saline Soil

EDISON PURBA

2022
Jurnal internasional bereputasi

Leaf Characterizations of IRR 400 Series, BPM 24, and RRIC 100 Rubber (Hevea brasiliensis Muell. Arg.) Clone Using Leafgram Method

MOHAMMAD BASYUNI , EDISON PURBA , YAYA HASANAH

2020
Jurnal internasional bereputasi

Application of monosodium methyl arsenate with diuron herbicide to control the characteristics of glyphosate-resistant Eleusine indica at oil palm plantations

EDISON PURBA

2023
Jurnal internasional bereputasi

Physiological characteristics of IRR 400 series rubber clones (Hevea brasiliensis Muell. Arg.) under drought stress

MOHAMMAD BASYUNI , YAYA HASANAH , EDISON PURBA

2024
Makalah ilmiah

PERSEPSI PETANI TENTANG LINGKUNGAN INTERNAL DAN EKTERNAL USAHATANI DALAM PEMBERDAYAAN PETANI INTEGRASI KOPI KAMBING DI SUMATERA UTARA

EDISON PURBA

2026
Jurnal internasional bereputasi

Improvement of morphology, biochemical characters, and molecular changes of local upland rice cv. Sidikalang M3 generation through induction of gamma-ray

EDISON PURBA

2026
Prosiding seminar internasional

FACTORS INFLUENCING FARMER EMPOWERMENT INTEGRATION OF COFFEE AND GOATS AT STARBUCK'S FOSTERED IN RONGGURNIHUTA DISTRICT, SAMOSIR REGENCY

EDISON PURBA

2023
Jurnal nasional terakreditasi

Effect of Leachate Concentration on the Eichhornia Crassipes Plants

IRHAMNI , EDISON PURBA

2024

Bark Recovery of Rubber Clone PB 260 Through Application of NAA⁺, Kinetin and Oleo-chemicals

MURNI SARI RAHAYU , Radite Tistama , LUTHFI AZIZ MAHMUD SIREGAR , EDISON PURBA

2019

Jurnal nasional

Weed Control With Saflufenacil Singly and Mixture in Immature Oil Palm on Peat Land

EDISON PURBA , LISA MAWARNI

2022

Prosiding seminar internasional

Growth and leaf anatomy of rubber clones (Hevea brasiliensis Muell. Arg.) IRR 400 series toward drought stress

MOHAMMAD BASYUNI , EDISON PURBA

2020

Jurnal nasional terakreditasi

Identification and inventory of cassava (manihot esculenta crantz) in north sumatera

EMMY HARSO KARDHINATA , EDISON PURBA , HERLA RUSMARILIN , DWI SURYANTO

2019

Prosiding seminar internasional

Information of Cyperus rotundus Weed from The National Center for Information on Biotechnology (NCBI)

WISMAROH SANNIWATI BR SARAGIH , EDISON PURBA , MOHAMMAD BASYUNI , DR LISNAWITA SP, MSI

2019

Prosiding seminar internasional

Information of Cyperus rotundus weed from the national center for information on biotechnology (NCBI)

DR LISNAWITA SP, MSI , EDISON PURBA , MOHAMMAD BASYUNI , WISMAROH SANNIWATI SARAGIH

2023

Jurnal nasional terakreditasi

Effect of Leachate Concentration on the Eichhornia Crassipes Plants

IRHAMNI , EDISON PURBA

2026

Poster seminar nasional

PERSEPSI PETANI TENTANG LINGKUNGAN INTERNAL DAN EKTERNAL USAHATANI DALAM PEMBERDAYAAN PETANI INTEGRASI KOPI KAMBING DI SUMATERA UTARA

EDISON PURBA

2026

Jurnal internasional bereputasi

Physiological characteristics of IRR 400 series rubber clones (Hevea brasiliensis Muell. Arg.) under drought stress

EDISON PURBA

2024

Artikel ilmiah

PERSEPSI PETANI TENTANG LINGKUNGAN INTERNAL DAN EKTERNAL USAHATANI DALAM PEMBERDAYAAN PETANI INTEGRASI KOPI KAMBING DI SUMATERA UTARA

EDISON PURBA , NEVY DIANA HANAFI

2023

Artikel ilmiah

CLODESIS HAND SOAP GEL EKSTRAK OXALIS DEHRADUNENSIS R. SEBAGAI PRODUK INOVASI KESEHATAN DALAM MENURUNKAN RISIKO PAPARAN KIMIA

2021

Jurnal internasional bereputasi

The Fourier Transform Infrared Spectroscopy from *Diplazium esculentum* and *Rivina humilis* Analysis to Reveals the Existence of Necessary Components in Oil Palm Plantations of *Ganoderma boninense* Control

WISMAROH SANNIWATI BR SARAGIH , EDISON PURBA , DR LISNAWITA SP, MSI , MOHAMMAD BASYUNI

2017

Jurnal nasional terakreditasi

DISTRIBUSI DAN IDENTIFIKASI POPULASI SINTRONG (*Crossocephalum crepidiodes*.Benth) RESISTEN PARAKUAT PADA LAHAN JAGUNG (*Zea mays*) DI KABUPATEN DAIRI

DR LISNAWITA SP, MSI , EDISON PURBA

2019

Jurnal nasional terakreditasi

Analisis Hara Cu dan Zn pada Vegetasi Gulma sebagai Penanda Keberadaan Jamur *Ganoderma* dari Kebun Kelapa Sawit

EDISON PURBA , WISMAROH SANNIWATI BR SARAGIH

2021

Prosiding seminar nasional

Survey Vegetasi dan Penapisan Fitokimia Gulma di Perkebunan Kelapa Sawit

WISMAROH SANNIWATI BR SARAGIH , MOHAMMAD BASYUNI , DR LISNAWITA SP, MSI , EDISON PURBA

2025

Jurnal internasional bereputasi

Vertical distribution of weed seed bank in three-year-old oil palm plantations

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2021

Jurnal internasional bereputasi

Drought tolerance selection of GT1 rubber seedlings with the addition of polyethylene glycol (PEG) 6000

YAYA HASANAH , MOHAMMAD BASYUNI , EDISON PURBA

2018

Jurnal nasional terakreditasi

Identification and Analysis of Weed Vegetation as *Ganoderma* Presence Marker on Oil Palm Plantation

EDISON PURBA , WISMAROH SANNIWATI BR SARAGIH

2024

Jurnal internasional

Production and Quality of M2 Generations of *Indigofera Zollingeriana* Result from Gamma-Ray Irradiation as Animal Feed and its Effect on Soil Characteristics on Saline Soil

EDISON PURBA

2023

Jurnal internasional bereputasi

Physiological characteristics of IRR 400 series rubber clones (*Hevea brasiliensis* Muell. Arg.) under drought stress [version 4; peer review: 1 approved, 1 approved with reservations

YAYA HASANAH , SYARIFAH AINI PASARIBU , EDISON PURBA , MOHAMMAD BASYUNI

2024

Buku lainnya

Peranan Tumbuhan Air Dalam Menyerap Logam Berat pada Lindi Tempat Pembuangan Akhir

EDISON PURBA , IRHAMNI

1996

Jurnal internasional bereputasi

Growth and competitiveness of paraquat-resistant and -susceptible biotypes of *Hordeum leporinum*

EDISON PURBA

2021

Jurnal internasional bereputasi

The Fourier transform infrared spectroscopy from *Diplazium esculentum* and *Rivina humilis* analysis to reveals the existence of necessary components in oil palm plantations of *Ganoderma boninense* control

MOHAMMAD BASYUNI , DR LISNAWITA SP, MSI , EDISON PURBA

Researches

2025

IDENTIFIKASI DAN MEKANISME RESISTENSI *Echinochloa crus-galli* TERHADAP HERBISIDA PENGHAMBAT ASETOLAKTAT SINTASE (ALS) DI KABUPATEN DELI SERDANG, SUMATERA UTARA

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Community Services

2023

PENGUJIAN EFIKASI HERBISIDA TEBAS 276 SL TERHADAP GULMA KELAPA SAWIT BELUM MENGHASILKAN

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2024

Pengujian Efikasi Herbisida Conductor 480 EC, Risun 89SC, Sable Plus 120 EW, dan Sunmax 500 SC pada Padi Sawah

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Intellectual Property Rights

2021

Hasil penelitian/pemikiran yang tidak dipublikasikan

LAPORAN AWAL POPULASI *Eleusine indica* RESISTEN-GLIFOSAT PADA PERKEBUNAN KELAPA SAWIT DI KABUPATEN BATU BARA FIRST REPORT OF GLYHPOSAT-RESISTANT *Eleusine indica* POPULATION ON

EDISON PURBA

2021

Hasil penelitian/pemikiran yang tidak dipublikasikan

Studi Agroekologi dan Daya Efektifitas Beberapa Herbisida Terhadap *Syngonium podophyllum* Schott.

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