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Irda Safni, S.P., M.CP, Ph.D., lahir di Surabaya pada 22 Maret 1971, adalah seorang dosen Agroteknologi di Universitas Sumatera Utara. Beliau meraih gelar Doktor (S3) di bidang Mikrobiologi dari The University of Queensland pada tahun 2014.

Profil Pendidikan:

- S1 dari Universitas Sumatera Utara

- S2 dari University of Adelaide, Australia

- S3 dari University of Queensland, Australia

Dengan latar belakang pendidikan yang luas dan keahlian dalam patologi tanaman dan bakteriologi tanaman, Irda Safni memberikan kontribusi yang berharga dalam pengembangan ilmu agroteknologi. Sebagai seorang dosen, beliau berdedikasi untuk membimbing mahasiswa dan berkontribusi pada penelitian di bidang patologi tanaman, meningkatkan pemahaman dan inovasi di dunia pertanian.

Publications

2026
Prosiding seminar internasional

Biosynthesis and characterization of silver bio-nanoparticles using bacteria Arthrobacter sp. and Bacillus thuringiensis as agrotechnological approaches towards sustainable agriculture

IRDA SAFNI

2025
Jurnal nasional terakreditasi

Induksi Ketahanan Tanaman Tomat terhadap Ralstonia syzygii subsp. indonesiensis Menggunakan Bakteri Endofit dan Asam Salisilat : Induction of Resistance in Tomato Plants Against Ralstonia syzygii subsp. indonesiensis Using Endophytic Bacteria and Salicylic Acid

IRDA SAFNI

2025
Book chapter internasional

Laboratory guide for identification of plant pathogenic bacteria

Carolee T Bull , T Coutinho , K Bophela , S Timilsina , Jeffrey B Jones , IRDA SAFNI

2025
Jurnal internasional

Detection and identification of fungi causing strawberry wilt disease in North Sumatra, Indonesia

IRDA SAFNI , Cadrak Perdamenta Simanjuntak

2024
Prosiding seminar internasional

The Survey of Leaf Blight Disease (Exserohilum turcicum) on maize (Zea mays L) in Pancur Batu District, Deli Serdang Regency to Contribute the Food Security Sustainability

IRDA SAFNI , Fizra Nazli Syakira

2024
Jurnal nasional terakreditasi

Salicylic Acid Accumulation in Tomato Root Induced by Endopytic Bacteria and Exogenous Salicylic Acid Response to Ralstonia syzygii subsp. indonesiensis Infection

DR LISNAWITA SP, MSI , IRDA SAFNI

2024
Jurnal nasional terakreditasi

In Vitro Assay of Lytic Bacteriophage to Suppress the Growth of Ralstonia syzygii subsp. indonesiensis, the Causal Pathogen of Potato Wilt Disease

IRDA SAFNI , Nur Azizah

2024
Jurnal internasional bereputasi

Analysis of The Relationship of Wind Speed and Rainfall on the Development of Coffee Leaf Rust (Hemileia Vastatrix B. & Br.) on Sipirok Arabica Coffee Plants in South TapanuliÂ ...

PROF DR IR AHMAD RAFIQI TANTAWI. MS , DR LISNAWITA SP, MSI , IRDA SAFNI , GUNTORO , GUNTORO

2022
Buku referensi

Global Plant Health Assessment

IRDA SAFNI

2022
Jurnal nasional terakreditasi

Spread of bacterial wilt disease on potato in three villages in Silimakuta District, Simalungun, North Sumatra, Indonesia

IRDA SAFNI , MUKHTAR ISKANDAR PINEM

2022
Jurnal nasional terakreditasi

Spread of bacterial wilt disease on potato on three villages in Silimakuta district, Simalungun, North Sumatra, Indonesia

IRDA SAFNI , MUKHTAR ISKANDAR PINEM

2021
Jurnal internasional bereputasi

Screening of Indonesian rice cultivars against bacterial leaf blight disease under acidic soil condition

IRDA SAFNI

2021
Jurnal internasional bereputasi

Genetic analysis of soybean mutant lines resistance to stem rot disease (Athelia rolfsii curzi)

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2020
Jurnal internasional bereputasi

Resistance level of several soybean lines of M6 generation to stem rot disease Athelia rolfsii

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2020
Jurnal internasional bereputasi

Abundance and diversity of bacteria associated with healthy and infected oil palm rhizosphere of Ganoderma boninense in Bahilang, North Sumatra

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2020
Jurnal internasional bereputasi

Distribution of narrow brown leaf spot disease of rice (Cercospora oryzae Miyake) in North Sumatra

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2020
Jurnal internasional bereputasi

Mapping bacterial leaf blight disease of rice (Xanthomonas oryzae pv oryzae) in North Sumatra

IRDA SAFNI

2020
Jurnal internasional bereputasi

The effect of the rice white tip nematode, Aphelenchoides besseyi Christie, on the yield components of rice cultivars in a glasshouse condition

IRDA SAFNI

2019
Artikel ilmiah

Uji Efektivitas Pengendalian Kimiawi dan Biologi terhadap Hama Penggerek Polong (Maruca testulalis Geyer.) pada Tanaman Kacang Hijau: Effectivity Test of Chemical andÃ‚Â …

IRDA SAFNI

2019
Artikel ilmiah

Uji Efektifitas Beberapa Jenis Rizobakteri Pemacu Tumbuh Tanaman (RPTT) untuk Mengendalikan Penyakit Rebah Kecambah (Athelia rolfsii (Curzi)) pada Tanaman Kedelai (Glycine maxÃ‚Â …

IRDA SAFNI

2019
Jurnal nasional

Uji efektifitas beberapa jenis rizobakteri pemacu tumbuh tanaman (RPTT) untuk mengendalikan penyakit rebah kecambah (Athelia rolfsii (curzi) pada tanaman kedelai (Glycine max (l.) Merril)

AMEILIA ZULIYANTI SIREGAR , IRDA SAFNI

2019
Jurnal internasional bereputasi

Screening for disease resistance in rice varieties against bacterial panicle blight disease (Burkholderia glumae) in Northern Sumatra of Indonesia

IRDA SAFNI

2019
Jurnal internasional bereputasi

Spodoptera litura as a main pest in oil palm peat plantation

IRDA SAFNI

2018
Jurnal internasional

Morphology Variation Of Metarhizium anisopliae From Soil In North Sumatra Areas

IRDA SAFNI

2018
Prosiding seminar internasional

Selection individual on mutant genotype of soybean (Glycine maxl. merrill) in m5 generation based on resistance of stem rot disease Athelia rolfsii (curzi)

DIANA SOFIA HANAFIAH , IRDA SAFNI , LUTHFI AZIZ MAHMUD SIREGAR

2018
Artikel ilmiah

Uji Ketahanan Beberapa Varietas Padi Sawah Terhadap Hama Kepinding Tanah (Scotinophara coarctata) Di Rumah Kasa

IRDA SAFNI

2018
Jurnal internasional bereputasi

Use of organic waste as biofumigant for controlling root knot nematodes

(Meloidogyne spp.) on potato

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2018
Jurnal internasional bereputasi

Selection individual on mutant genotype of soybean (Glycine maxl.merrill) in m<inf>5</inf> generation based on resistance of stem rot disease Athelia rolfsii (curzi)

LUTHFI AZIZ MAHMUD SIREGAR , M Rahmah , DIANA SOFIA HANAFIAH , IRDA SAFNI

2018
Jurnal internasional bereputasi

The potential of soil fungi associated with potato rhizosphere to control root knot nematode (Meloidogyne spp.) on potato

IRDA SAFNI

2018
Jurnal internasional bereputasi

Ecology, epidemiology and disease management of Ralstonia syzygii in Indonesia

Mark Fegan , SITI SUBANDIYAH , IRDA SAFNI

2018
Jurnal internasional bereputasi

In vitro antagonism of five rhizobacterial species against athelia rolfsii collar rot disease in soybean

Widya Antastia , IRDA SAFNI

2017
Artikel ilmiah

Potensi Jamur Entomopatogen untuk Mengendalikan Ulat Grayak Spodoptera litura F. pada Tanaman Tembakau In Vivo: Potency of Entomopathogenic Fungi to control Oriental LeafwormÃ‚Â …

IRDA SAFNI

2017
Artikel ilmiah

Potensi jamur entomopatogen untuk mengendalikan ulat grayak Spodoptera litura F. pada tanaman tembakau in vivo

IRDA SAFNI

2014
Jurnal internasional bereputasi

Polyphasic taxonomic revision of the Ralstonia solanacearum species complex: Proposal to emend the descriptions of Ralstonia solanacearum and Ralstonia syzygii and reclassify current R. syzygii strains as Ralstonia syzygii subsp. syzygii subsp. nov., R. solanacearum phylotype IV strains as Ralstonia syzygii subsp. indonesiensis subsp. nov., banana blood disease bacterium strains as Ralstonia syzygii subsp. celebesensis subsp. nov. and R. solanacearum phylotype I and III strains as Ralstonia pseu

IRDA SAFNI

2026
Jurnal internasional bereputasi

Antifungal Effects of Silver Nanoparticles, Synthesized Using Trichoderma harzianum, on Ganoderma boninense causes of basal stem rot on oil palm.

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Researches

2025
Kerjasama Luar Negeri dan Publikasi Internasional

Ralstonia syzygii genomic epidemiology and virulence evolution

WIDHI DYAH SAWITRI , ALAN SOFFAN , ADY BAYU PRAKOSO , SITI SUBANDIYAH , TRI JOKO , IRDA SAFNI

2022
Penelitian Unggulan Perguruan Tinggi

Pengendalian Hayati penyakit Darah Pisang (Ralstonia syzygii subsp. celebesensis)

IRDA SAFNI

2022
Penelitian Unggulan Perguruan Tinggi

Analisis gen-gen terkait virulensi Ralstonia syzygii subsp. celebesensis penyebab penyakit darah pada pisang untuk mendukung pengembangan bakterisida berbasis small-RNA

IRDA SAFNI , Siti Subandiyah