

Dr. Khairunnisa Lubis, SP., MP

Dosen Program Studi S1 Agroteknologi
Fakultas Pertanian
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Dr. Khairunnisa Lubis, S.P., M.P., adalah seorang dosen Agroteknologi di Universitas Sumatera Utara (USU) dengan keahlian di bidang pemuliaan tanaman.

Profil Pendidikan:

- Lulusan S1 dari Universitas Sumatera Utara (USU)

- Lulusan S2 dari Universitas Sumatera Utara (USU)

- Lulusan S2 dari Institut Pertanian Bogor (IPB)

Sebagai seorang ahli di bidang pemuliaan tanaman, Dr. Khairunnisa Lubis telah memberikan kontribusi yang berharga dalam pengembangan ilmu agroteknologi. Profilnya mencerminkan komitmen terhadap pendidikan, penelitian, dan upaya untuk meningkatkan kualitas dan produktivitas tanaman melalui pemuliaan.

Publications

2018

Jurnal nasional terakreditasi

Respon Pertumbuhan Akar Beberapa Hasil Persilangan Populasi F1 Tanaman Jagung (*Zea mays* L.) terhadap Cekaman Besi (Fe) pada Media Kultur Hara

LUTHFI AZIZ MAHMUD SIREGAR , Khairunnisa Lubis

2022

Prosiding seminar internasional

Relationship analysis related to acid stress of some cornlines used in soil using SSR markings

Khairunnisa Lubis , EMMY HARSO KARDHINATA

2024

Jurnal internasional bereputasi

The effect of giving cocchicine on appearance phenotypes of two genotypes in okra (*Abelmoschus esculentus* L. Moench)

Khairunnisa Lubis , Hilda Arfiya

2005

Jurnal nasional

Morfologi ultrastruktur akar kultur embrio beberapa varietas kedelai (*Glycine max* L. Merr) pada berbagai konsentrasi NaCl

Khairunnisa Lubis

2020

Prosiding seminar internasional

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

DR LISNAWITA SP, MSI , IRDA SAFNI , Khairunnisa Lubis , IR. NURLIANA , FAHMY FADLY

2015

Jurnal nasional

Penampilan Beberapa Karakter Morfofisiologi Galur Introduksi Jagung (*Zea Mays* L.) Yang Diseleksi Pada Lingkungan Tanah Masam

Khairunnisa Lubis

2021

Prosiding seminar internasional

The potency of antagonistic microbes as plant growth-promoting on oil palm seedling infected with basal stem rot disease (*Ganoderma boninense*.)

Khairunnisa Lubis , DR LISNAWITA SP, MSI , IRDA SAFNI , IR. NURLIANA

2018

Jurnal internasional

Effect of Particle Pre-treatment on Physical and Mechanical Properties of Particleboard Made from Oil Palm Trunk

Khairunnisa Lubis

2018

Prosiding seminar internasional

Use of organic waste as biofumigant for controlling root knot nematodes (*Meloidogyne* spp.) on potato

DR LISNAWITA SP, MSI , IRDA SAFNI , Khairunnisa Lubis , PROF DR IR AHMAD RAFIQI TANTAWI. MS , DESI INDAH PERMATA SARI

2022

Jurnal nasional terakreditasi

Identifikasi Karakter Morfologi Tanaman Nanas (*Ananas comosus* (L.) Merr) Di Kabupaten Simalungun Provinsi Sumatera Utara

KRISTIANI TRIDE TAMSAR , EMMY HARSO KARDHINATA , Khairunnisa Lubis

2018

Jurnal nasional terakreditasi

In Vitro Resistance Respon of Varieties Cayenne pepper (*Capsicum Frutescens* L.) to give of NaCl

LUTHFI AZIZ MAHMUD SIREGAR , Khairunnisa Lubis

2024

Prosiding seminar internasional

Genotype and phenotype diversity of the F2 population three-way cross soybean (*Glycine max* [L.] Merrill) results

DIANA SOFIA HANAFIAH , Khairunnisa Lubis , HARYATI

2021

Prosiding seminar internasional

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

DR LISNAWITA SP, MSI , IRDA SAFNI , Khairunnisa Lubis

2020

Prosiding seminar internasional

Screening of Varieties of Cayenne Pepper (*Capsicum frutescens* L.) on Salinity Resistance through in vitro Culture Technique

LOLLIE AGUSTINA P , LUTHFI AZIZ MAHMUD SIREGAR , Khairunnisa Lubis

2005

Jurnal nasional

Morfologi ultrastruktur akar kultur embrio beberapa varietas kedelai (*Glycine max* L. Merr.) pada berbagai konsentrasi NaCl

Khairunnisa Lubis

2024

Prosiding seminar internasional

Genotype and phenotype diversity of the F2 population three-way cross soybean (*Glycine max* [L.] Merrill) results

Khairunnisa Lubis , HARYATI , DIANA SOFIA HANAFIAH

2023

Jurnal internasional bereputasi

The heterosis, heterobeltiosis, and the yielding ability of hybrids of three parental crossings of soybean (*Glycine max*)

2018

Jurnal internasional bereputasi

Morphological characterization of several strains of the rice-pathogenic bacterium *Burkholderia glumae* in North Sumatra

Khairunnisa Lubis , DR LISNAWITA SP, MSI , Mardiana Hasibuan , IRDA SAFNI

2013

Jurnal internasional bereputasi

Genetic parameter estimation of root morphophysiology characters of *Zea mays* strains tolerant acid soil.

Khairunnisa Lubis

2000

Jurnal nasional

Respon Morfogenesis Embrio Beberapa Kedelai pada Berbagai Konsentrasi NaCl Secara In vitro

Khairunnisa Lubis

2018

Jurnal internasional bereputasi

Isolation and characterization of rhizobacteria for biological control of root-knot nematodes in Indonesia

IRDA SAFNI , DR LISNAWITA SP, MSI , PROF DR IR AHMAD RAFIQI TANTAWI. MS , R Surya Murthi , Khairunnisa Lubis

2023

Prosiding seminar internasional

The phenotype of the three-way cross soybean (*Glycine max* [L.] merrill) results

LUTHFI AZIZ MAHMUD SIREGAR , DIANA SOFIA HANAFIAH , Khairunnisa Lubis , HARYATI , FADILLAH RAHMADANA

2026

Jurnal internasional bereputasi

Antifungal Effects of Silver Nanoparticles, Synthesized Using *Trichoderma harzianum*, on *Ganoderma boninense* Causing Basal Stem Rot on Oil Palm

DR LISNAWITA SP, MSI , IRDA SAFNI , Khairunnisa Lubis , PROF DR IR AHMAD RAFIQI TANTAWI. MS , WISMAROH SANNIWATI BR SARAGIH

2018

Prosiding seminar internasional

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

DR LISNAWITA SP, MSI , IRDA SAFNI , Khairunnisa Lubis

2020

Hasil penelitian/pemikiran yang tidak dipublikasikan

Respon Morfogenesis Embrio Beberapa Varietas Kedelai (*Glycine max* L. Merr) pada Berbagai Konsentrasi Nacl Secara in Vitro

Khairunnisa Lubis

2020

Jurnal internasional

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

Khairunnisa Lubis

2019

Jurnal internasional

Performance of some populations of maize (*Zea mays* L.) on peat soil applied Sludge and ash of oil palm

Khairunnisa Lubis

2017

Prosiding seminar internasional

Root morphology of several potato varieties - Infected *Meloidogyne* spp. and

addition of organic matters

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

2023

Prosiding seminar internasional

Use of agricultural waste and indigenous antagonistic fungi for controlling root knot nematodes (*Meloidogyne* spp.) on potato in North Sumatra, Indonesia

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

2022

Jurnal internasional bereputasi

Relationship analysis related to acid stress of some cornlines used in soil using SSR markings

Khairunnisa Lubis

2017

Prosiding seminar internasional

Morphological characterization of several strains of the rice-pathogenic bacterium *Burkholderia glumae* in North Sumatra

DR LISNAWITA SP, MSI , IRDA SAFNI , Khairunnisa Lubis

2024

Jurnal internasional bereputasi

Effect of watering interval on growth and production of 2 maize (*Zea mays* L.) varieties in drought stressed media treated with chitosan

Khairunnisa Lubis

2026

Tulisan ilmiah

Pengaruh Radiasi Sinar Gamma Terhadap Pertumbuhan dan Produksi Beberapa Varietas Tanaman Padi (*Oryza sativa* L.) dengan Sistem Tanam SRI (System of Rice Intensification)

Khairunnisa Lubis

2000

Tulisan ilmiah

Respon morfogenesis embrio beberapa varietas kedelai (*Glycine max* L. Merr.) pada berbagai konsentrasi NaCl secara in vitro

Khairunnisa Lubis

2018

Jurnal nasional terakreditasi

The phenotypic appearance of Japanese persimmon (*Diospyros kaki* L.f.) in Karo district, North Sumatra, Indonesia

Khairunnisa Lubis

2017

Prosiding seminar internasional

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

DR LISNAWITA SP, MSI , IRDA SAFNI , Khairunnisa Lubis , PROF DR IR AHMAD RAFIQI TANTAWI. MS , EVI UTARI

2018

Jurnal internasional bereputasi

Root morphology of several potato varieties - Infected *Meloidogyne* spp. and addition of organic matters

IRDA SAFNI , DR LISNAWITA SP, MSI , PROF DR IR AHMAD RAFIQI TANTAWI. MS , Khairunnisa Lubis , LUTHFI AZIZ MAHMUD SIREGAR

2020

Jurnal internasional

Performance of vegetative and reproductive characters of some maize inbred line (*Zea Mays* L.) in ultisol soil applied with the coffee skin compost

Khairunnisa Lubis

2014
Jurnal nasional terakreditasi

Pendugaan parameter genetik dan seleksi karakter morfofisiologi galur jagung introduksi di lingkungan tanah masam

Khairunnisa Lubis

2024
Jurnal internasional bereputasi

Morphological Changes Through Mutation of Local Chilli in North Sumatra, Indonesia

DIANA SOFIA HANAFIAH , RIZKI PUDAN NADAPDAP , KINANTI NURHAYATI , KHADIJAH CANIAGO , YAYA HASANAH ,
Khairunnisa Lubis

2018
Jurnal internasional

Morphological characterization of several strains of the rice-pathogenic bacterium *Burkholderia glumae* in North Sumatra

Khairunnisa Lubis

2014
Tulisan ilmiah

Identifikasi Dan Pendugaan Parameter Genetik Karakter Morfofisiologi dan Hasil Untuk Toleransi Cekaman Aluminium Pada Tanaman Jagung (*Zea Mays L.*)

Khairunnisa Lubis

2019
Jurnal internasional

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

Khairunnisa Lubis

2016
Jurnal internasional

Evaluation of the Morpho-physiology characteristics of maize inbred lines introduced from CIMMYT to identify the best candidates for planting in acidic soil in Jasinga, Indonesia

Khairunnisa Lubis

2022
Jurnal internasional bereputasi

Trait selection and screening of Indonesian local rice accessions for iron stress tolerance

DR LISNAWITA SP, MSI , Khairunnisa Lubis , Suci Mahirda Novianty

2018
Jurnal internasional

Root morphology of several potato varieties - Infected *Meloidogyne* spp. and addition of organic matters

Khairunnisa Lubis

2020
Jurnal internasional bereputasi

Detection of polyisoprenoid composition in quick starter and slow starter clones of *Hevea brasiliensis*

DR LISNAWITA SP, MSI , Khairunnisa Lubis , MOHAMMAD BASYUNI , BAYU PRATOMO

2024
Jurnal internasional bereputasi

Morphological Changes Through Mutation of Local Chilli in North Sumatra, Indonesia

DIANA SOFIA HANAFIAH , YAYA HASANAH , Khairunnisa Lubis , ANGGRIA LESTAMI

2024
Jurnal internasional bereputasi

Morphological character and amylose content analysis of maize (*Zea mays L.*)

varieties bonanza and srikandi ungu

Khairunnisa Lubis

2018

Jurnal internasional

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

Khairunnisa Lubis

2018

Jurnal internasional

Isolation and characterization of rhizobacteria for biological control of root-knot nematodes in Indonesia

Khairunnisa Lubis

2018

Jurnal internasional

Use of organic waste as biofumigant for controlling root knot nematodes (*Meloidogyne* spp.) on potato

Khairunnisa Lubis

2021

Jurnal internasional

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

Khairunnisa Lubis

2020

Jurnal internasional

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

Khairunnisa Lubis

2022

Jurnal internasional bereputasi

Genetic Diversity Analysis of Several Corn Lines (*zea mays* L.) Developed in Acid Soil Using Molecular Markers RAPD

Khairunnisa Lubis

Researches

2020

Kerjasama Luar Negeri dan Publikasi Internasional

Increasing Rice Yield in Northern Sumatra by Combining Biotic and Abiotic and Abiotic Stress Tolerance

Khairunnisa Lubis , DR LISNAWITA SP, MSI , IRDA SAFNI , Frans J.M. Mathuis

2020

Penelitian Unggulan Perguruan Tinggi

Studi Komparasi Komunitas Mikroba Antagonis dan Keseimbangan Hara di Rizosfer Tanaman Kelapa Sawit yang Terinfeksi dan yang Tidak Terinfeksi *Ganoderma*

Khairunnisa Lubis , IR. NURLIANA , DR LISNAWITA SP, MSI , IRDA SAFNI

2023

Penelitian Fundamental

Karakterisasi Nanobiofungisida dan Pengungkap Gen Pertahanan Kelapa Sawit terhadap *Ganoderma boninense* melalui Whole Genome Sequencing

PROF DR IR AHMAD RAFIQI TANTAWI. MS , WISMAROH SANNIWATI BR SARAGIH , Khairunnisa Lubis , DR LISNAWITA SP, MSI , IRDA SAFNI

2019

Kerjasama Luar Negeri dan Publikasi Internasional

Increasing Rice Yield in Northern Sumatra by Combining Biotic and Abiotic and Abiotic Stress Tolerance

Khairunnisa Lubis , DR LISNAWITA SP, MSI , IRDA SAFNI , Frans J.M. Mathuis

2023

Penelitian Dana Lokal Perguruan Tinggi

Perakitan Genetik Kultivar Cabai Lokal asal Kabupaten BatuBara

YAYA HASANAH , DIANA SOFIA HANAFIAH , Khairunnisa Lubis

2020

Penelitian Unggulan Perguruan Tinggi

Studi Komparasi Komunitas Mikroba Antagonis dan Keseimbangan Hara di Rizosfer Tanaman Kelapa Sawit yang Terinfeksi dan yang Tidak Terinfeksi Ganoderma

Khairunnisa Lubis , IR. NURLIANA , DR LISNAWITA SP, MSI , IRDA SAFNI

2021

Penelitian Unggulan Perguruan Tinggi

Perakitan Varietas Kedelai Unggul Melalui Hibridisasi

DIANA SOFIA HANAFIAH , Khairunnisa Lubis , HARYATI

2025

Penelitian Fundamental

Analisis Pengaruh Aplikasi Nanobiofungisida *Trichoderma sp.* terhadap Ketahanan Bibit Kelapa Sawit terinfeksi *Ganoderma boninense* melalui Pendekatan Genomik dan Mikrobioma

PROF DR IR AHMAD RAFIQI TANTAWI. MS , WISMAROH SANNIWATI BR SARAGIH , Khairunnisa Lubis , DR LISNAWITA SP, MSI , IRDA SAFNI

Community Services

2025

PENGENALAN JAGUNG “PELANGI” HASIL PERSILANGAN TERBUKA TIGA TETUA JAGUNG MANIS, UNGU DAN PULUT PUTIH SEBAGAI PANGAN FUNGSIONAL ESTETIK

Khairunnisa Lubis , DR LISNAWITA SP, MSI , IRDA SAFNI
