Prof.Dr. Ir. Yaya Hasanah, M.Si.

Lecturer of Undergraduate Program in Agrotechnology Study Program
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Faculty of Agriculture, USU

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Mrs. Yaya Hasanah was born in Ciamis, January 10, 1969. She started her career as a lecturer at the Universitas Sumatera Utara Faculty of Agriculture in 2005. Until now, she has graduated 30 undergraduate program students, 5 master's program students, and 1 doctoral program student.

She is actively involved in research and community service. She has published 26 articles in national and international journals. She is also actively involved in national and international scientific seminars, totaling 27 scientific seminars.

Education:

Undergraduate degree in Agronomy, Institut Pertanian Bogor (1987–1992)

Master's Degree at the Faculty of Natural Resources and Environmental Management, USU (2001–2003)

Doctoral degree in Agricultural Science, Faculty of Agriculture, USU (2008–2014)

Publications

2026
Artikel ilmiah

Pelatihan Dan Pembuatan Pupuk Organik Cair Dan Biochar Untuk Menunjang Ketahanan Pangan Pada Kelompok Wanita Tani (KWT) Pematang Siantar

TAVI SUPRIANA , MEIRIANI , BENNY HIDAYAT , BEATRIX SOFRANES NAPITUPULU , YAYA HASANAH

2026
Prosiding seminar nasional

Strategi Peningkatan Ekosistem Padi Sawah Terhadap Pemberian Bahan Organik Dalam Mendukung Ketahanan Pangan

YAYA HASANAH , LISA MAWARNI , MARIANI BR SEMBIRING , CHICHI JOSEPHINE FLORESTINA MANALU

2026
Jurnal nasional terakreditasi

The Role of Liquid Biofertilizer on The Growth and Production of Local Red Chili From Lubuk Cuikand Superior Varieties

REVANDY I M DAMANIK , MHD HARY SAHPUTRA , YAYA HASANAH

2026
Jurnal internasional bereputasi

Agronomic, Cytological and Biochemical Responses of Colchicine-Induced M1V2 Mutants of Samosir Local Shallot (Allium ascalonicum L.)

YAYA HASANAH , DIANA SOFIA HANAFIAH , ELISA JULIANTI , LUTHFI AZIZ MAHMUD SIREGAR , IRDA SAFNI , MUHAMMAD SYAHRIL , IRFAN ARIF , IWAN SYAPUTRA HUTAGALUNG

2026
Prosiding seminar internasional

Chlorophyll content and stomatal density of Samosir local shallot M1V2 generation by induced mutation for supporting sustainable agriculture

LUTHFI AZIZ MAHMUD SIREGAR , IRFAN ARIF , IWAN SYAPUTRA HUTAGALUNG , IRDA SAFNI , YAYA HASANAH , MUHAMMAD SYAHRIL , DIANA SOFIA HANAFIAH , ELISA JULIANTI

2026
Prosiding seminar internasional

The role of phenylalanine precursors on the morphological characteristics of soybean sprouts to support sustainable food security

NURSA'ADAH , DIKY PUTRA PRATAMA , LISDA RIMAYANI NASUTION , YAYA HASANAH , MUHAMMAD SYAHRIL

2026
Book chapter internasional

Resilient Landscapes and Livehoods

YAYA HASANAH , ELISA JULIANTI

2026
Prosiding seminar internasional

Chlorophyll content and stomatal density of Samosir local shallot M1V2 generation by induced mutation for supporting sustainable agriculture

YAYA HASANAH , DIANA SOFIA HANAFIAH , ELISA JULIANTI , LUTHFI AZIZ MAHMUD SIREGAR , IRDA SAFNI , MUHAMMAD SYAHRIL , IRFAN ARIF , IWAN SYAPUTRA HUTAGALUNG

2026
Buku referensi

ILMU PERTANIAN DAN PENGELOLAAN SUMBER DAYA ALAM

M. INDAR PRAMUDI , CHRISTIN IMELDA GIRSANG , JESSYCA PUTRI CHOIRUNNISA , HERMAN TANGKELAYUK , KETTI ANDRAYANI , ASIKIN MUCHTAR , MADE SRI SUMARNIASIH , ABDUL RAHMAT MANDEA , YAYA HASANAH , MARNINGOT TUA NATALIS SITUMORANG

2025
Jurnal internasional bereputasi

Effects of p-Coumaric Acid on the Morphological Characteristics of Soybean Sprouts

YAYA HASANAH , NURSA'ADAH , LISDA RIMAYANI NASUTION , MUHAMMAD SYAHRIL , DIKY PUTRA PRATAMA

2025
Jurnal nasional terakreditasi

Pendampingan Kelompok Lelelawar Desa Batu Malenggang, Kabupaten Langkat, Sumatera Utara dalam Peningkatan Usaha Budidaya, Pengolahan dan Pemasaranjamur Tiram

YAYA HASANAH , ELISA JULIANTI , ANGGRIA LESTAMI , NURSA'ADAH , ALGHI FARI , NADZRA ERVINA LUBIS

2025
Jurnal nasional terakreditasi

Pemberdayaan Kelompok Perempuan Lanjut Usia Berbasis Budidaya dan Olahan Microgreens dalam Mendukung Ketahanan Pangan Rumah Tangga

YAYA HASANAH , ELISA JULIANTI , MARIANI BR SEMBIRING , VIRA IRMA SARI , BEATRIX SOFRANES NAPITUPULU

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Jurnal internasional bereputasi

Evaluation of Mutation Induction using Colchicine on Morphophysiological, Anatomical and Cytogenetic Characteristics of Samosir Local Shallots

DIANA SOFIA HANAFIAH , MARIANI BR SEMBIRING , YAYA HASANAH , MARIATI , MUHAMMAD SYAHRIL , ELISA JULIANTI

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Jurnal internasional bereputasi

Invigoration of Expired Soybean Seeds Using Plant Extract: Effects on Viability and Growth

FAIYAZ TITAN HASIBUAN , YAYA HASANAH

2025
Jurnal internasional bereputasi

Evaluation of Mutation Induction using Colchicine on Morphophysiological, Anatomical and Cytogenetic Characteristics of Samosir Local Shallots

YAYA HASANAH , DIANA SOFIA HANAFIAH , ELISA JULIANTI , MARIANI BR SEMBIRING , MARIATI , MUHAMMAD SYAHRIL , GILANG AULIA PERANGIN-ANGIN , MUSLIH ARRIDHO

2025
Prosiding seminar internasional

Analysis of Technical and Allocative Efficiency Models for Shallot Farming to Increase Production in Karo Regency

THARMIZI HAKIM , TAVI SUPRIANA , RULIANDA PURNOMO WIBOWO , YAYA HASANAH

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Evaluation of Mutation Induction using Colchicine on Morphophysiological, Anatomical and Cytogenetic Characteristics of Samosir Local Shallots

YAYA HASANAH , ELISA JULIANTI , MARIATI , DIANA SOFIA HANAFIAH , MARIANI BR SEMBIRING , MUHAMMAD SYAHRIL

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Buku referensi

Ketahanan Pangan

ENDANG LASTINAWATI , ANNISTIA RAHMADIAN ULFAH , ZULKARNAEN SANGADJI , M AMIN , ISMAIL MUNADI SANGADJI , DAHLIA ELIANARNI , SRI FAJAR AYUNINGSIH. , YAYA HASANAH

2025
Jurnal nasional terakreditasi

Morfologi dan Produktivitas Kacang Hijau (Vigna radiata L.) pada Cekaman Kekeringan dengan Aplikasi Silika

YAYA HASANAH , DIANA SOFIA HANAFIAH , MUSLIADI

2025
Buku referensi

Ketahanan Pangan

YAYA HASANAH

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Pengaruh Intensitas Naungan dan Konsentrasi Giberelin Terhadap Pertumbuhan Fase Vegetatif Porang (Amorphophallus muelleri)

YAYA HASANAH , MUKHLIS

2025
Artikel ilmiah

Pelatihan Good Agricultural Practice Cabai di Desa Lubuk Cuik

YAYA HASANAH , HARYATI , MARIATI , MARIANI BR SEMBIRING , ELISA JULIANTI , ANTONIO MARRO SIPAYUNG , NINI RAHMAWATI

2025
Artikel ilmiah

Pelatihan Good Agricultural Practice Cabai di Desa Lubuk Cuik

NINI RAHMAWATI , MARIANI BR SEMBIRING , MARIATI , HARYATI , ELISA JULIANTI , ANTONIO MARRO SIPAYUNG , YAYA HASANAH

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Jurnal internasional bereputasi

MORPHOLOGICAL AND MOLECULAR CHARACTERIZATION OF LOCAL CHILI ACCESSIONS IN NORTH SUMATRA, INDONESIA

YAYA HASANAH , NINI RAHMAWATI , TAVI SUPRIANA , DIANA SOFIA HANAFIAH

2025
Jurnal internasional bereputasi

Physiological characteristics of IRR 400 series rubber clones (Hevea brasiliensis Muell. Arg.) under drought stress [version 4; peer review: 1 approved, 2 approved with reservations]

MOHAMMAD BASYUNI , EDISON PURBA , YAYA HASANAH

2024
Prosiding seminar internasional

Phenotyfic appearance of some local Samosir shallot accessions at Samosir regency in supporting sustainable agriculture

YAYA HASANAH , DIANA SOFIA HANAFIAH , MARIATI , MARIANI BR SEMBIRING , ELISA JULIANTI , MUHAMMAD SYAHRIL , GILANG AULIA PERANGIN-ANGIN , MUSLIH ARRIDHO

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The role of Azolla microphylla green fertilizer and N fertilizer application on growth and production of lowland rice (Oryza sativa L.) Ciherang variety for sustainable agriculture

YAYA HASANAH , HULWAH NABILAH

2024
Jurnal internasional

Evaluation of Production, Boron and Flavonoid Content of Shallot in the Lowlands Through the Application of Boron and Benzyl Amino Purine

YAYA HASANAH , HAMIDAH HANUM , DIANA SOFIA HANAFIAH , NURSA'ADAH , ANAS MUHTAROM KUSRIARMIN

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Jurnal internasional bereputasi

Morphophysiological Characteristics of Shallot on Application of Boron and Benzyl Amino Purin

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Morphophysiological Characteristics of Shallot on Application of Boron and Benzyl Amino Purin

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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

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The effect of different harvest times on the quality of red chili seeds for sustainable agriculture

ANTONIO MARRO SIPAYUNG , MUHAMMAD FARHAN LUBIS , MARIANI BR SEMBIRING , HARYATI , MARIATI , YAYA HASANAH

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Jurnal internasional bereputasi

Role of Molybdenum in Relationship with Rhizobium sp. and its Effect on Physiological Characteristics and Soybean Production

NAUFAL ADLY HARAHAP , ALFITRAH SALAM HARAHAP , YAYA HASANAH , HAMIDAH HANUM

2024
Prosiding seminar internasional

Exploration and identification of morphological characters of local Samosir shallot (Allium ascalonicum L.) accessions for sustainable agriculture

GILBERTH NATANAEL PURBA , DWI RANTI TANJUNG , YAYA HASANAH , DIANA SOFIA HANAFIAH , NURSA'ADAH

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Jurnal internasional bereputasi

Soil Nutrient Content, Flavonoids and Antioxidant Activity in Several Accessions of Local Samosir Shallots

DWI RANTI TANJUNG , GILBERTH NATANAEL PURBA , DIANA SOFIA HANAFIAH , NURSA'ADAH , YAYA HASANAH

2024
Jurnal internasional bereputasi

The Evaluation of Production, Chlorophyll Content and Number of Flower of Samosir Local Shallots through Application of Gibberellin and Boron in the Highlands

JUPRI SIMAMORA , DIANA SOFIA HANAFIAH , YAYA HASANAH

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Jurnal nasional terakreditasi

THE ROLE OF BACILLUS SUBTILIS BACTERIA ON THE GROWTH AND

PRODUCTION OF TWO VARIETIES OF SHALLOTS (ALLIUM ASCALONICUM L.) ASAL TRUE SHALLOT SEED

RHIKI BUDIANTO , YAYA HASANAH , MARIANI BR SEMBIRING

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

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The role of Molybdenum in relation to Rhizobium sp. in increasing biological Nitrogen fixation and soybean growth

YAYA HASANAH , NAUFAL ADLY HARAHAP , ALFITRAH SALAM HARAHAP , HAMIDAH HANUM

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The content of nitrogen, phosphorus and potassium of shallot (Allium ascalonicum L.) varieties with different method of cultivation and altitude

LISA MAWARNI , YAYA HASANAH , FARUJA RIZKI WIRAWAN , IRFAN KURNIAWAN

2023
Jurnal nasional

Analisis Karakteristik Fisiologis terhadap Konsentrasi AB Mix pada Tanaman Tomat Cherry

CHAIRANI HANUM L , RIDHO VICTORY NAZARA , YAYA HASANAH

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Increasing the Independence of Oyster Mushroom (Pleurotus ostreatus) Entrepreneurs in Seedlings Preparation

YAYA HASANAH , NINI RAHMAWATI , NURSA'ADAH , MARIANI BR SEMBIRING

2023
Prosiding seminar nasional

Respon Produksi dan Kandungan Klorofil Beberapa Varietas Kacang Hijau (Vigna radiataL.) pada Aplikasi Pupuk Majemuk K-Ca-Mg-S

LISA MAWARNI , YAYA HASANAH

2023
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Morphology of Rice (Oryza sativa L.) Under Drought Stress with The Application of Antioxidants in The Vegetative Phase

YAYA HASANAH , CHAIRANI HANUM L

2023
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Differences in Cultivation Methods and Their Effects on Production and Physiological Characteristics of Shallots in the Highlands

HAMIDAH HANUM , YAYA HASANAH , LISA MAWARNI

2022
Jurnal nasional terakreditasi

Cultivation of Acem acem (Oxalis dehradunesis Raizada) and Its Utilization as a Hand Sanitizer for Protection of Exposure to Chemical Pesticides

EKA LESTARI MAHYUNI , YAYA HASANAH , URIP HARAHAP

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

2022
Jurnal internasional bereputasi

Role of Cultivation Methods on Physiological Characteristics and Production of Shallot Varieties under Lowland Condition

YAYA HASANAH , LISA MAWARNI , T IRMANSYAH , HAMIDAH HANUM , KLERY RUGUN MANURUNG

2022
Prosiding seminar internasional

An analysis of morphological characters of two shallot varieties (Allium ascalonicum L.) using true shallot seed in the highlands with different cultivation methods to support sustainable agriculture

JONATAN GINTING , YAYA HASANAH

2022
Prosiding seminar internasional

The Role of Cultivation Methods and Lowlands Growing Environment on the Growth of Shallot (Allium ascalonicum L.) Varieties

HAMIDAH HANUM , T IRMANSYAH , YAYA HASANAH , LISA MAWARNI

2022
Jurnal nasional terakreditasi

PENINGKATAN PRODUKSI BAWANG MERAH ASAL TSS DENGAN APLIKASI PACLOBUTRAZOL DAN ASAM SALISILAT PADA KONDISI CEKAMAN KEKERINGAN

SARIFUDDIN , YAYA HASANAH , NISRINA AYU CAHYANI

2022
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PENINGKATAN PRODUKSI BAWANG MERAH ASAL TSS DENGAN APLIKASI PACLOBUTRAZOL DAN ASAM SALISILAT PADA KONDISI CEKAMAN KEKERINGAN

YAYA HASANAH , SARIFUDDIN

2022
Jurnal internasional bereputasi

Genetic diversity of shallots (Allium ascalonicum L.) from several locations in North Sumatra, Indonesia based on RAPD markers

YAYA HASANAH , LISA MAWARNI , HAMIDAH HANUM

2022
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Physiological Characteristics of Shallot (Allium ascalonicum) Varieties in Highlands and Lowlands

HAMIDAH HANUM , YAYA HASANAH , LISA MAWARNI

2022
Jurnal nasional terakreditasi

Bioentrepreunership for orphanages by making kokedama and capillary

system plant cultivation

LISA MAWARNI , HAMIDAH HANUM , YAYA HASANAH

2022
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Role of Potassium Source from Eco Enzyme on Growth and Production of Shallot (Allium ascalonicum L.) Varieties

JONIS GINTING , YAYA HASANAH

2021
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Optimization production of two varieties of shallot from true shallot seed with the application of NPK and magnesium fertilizers

YAYA HASANAH , JONATAN GINTING

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The role of dolomite and vermicompost in nutrient uptake and production of sweet potato (Ipomoea batatas L) on acid soil

T SABRINA , YAYA HASANAH

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Growth and yield characteristics of soybean on the usage of several varieties and fertilizers N, P, K in tidal lowland

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Production and Physiological Characteristics Evaluation of Shallot (Allium ascalonicum L.) Lokananta Varieties via Sulphur and Paclobutrazol Application

LISA MAWARNI , YAYA HASANAH , ROSITA SIPAYUNG , HAMIDAH HANUM

2021
Prosiding seminar internasional

Growth and yield characteristics of soybean on the usage of several varieties and fertilizers N, P, K in tidal lowland

YAYA HASANAH

2021
Prosiding seminar internasional

The role of sulfur and paclobutrazol on the growth of shallots (Allium ascalonicum (L.) Sanren F-1 varieties from true shallot seed

HAMIDAH HANUM , ROSITA SIPAYUNG , LISA MAWARNI , YAYA HASANAH

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Response of edamame growth and production in the lowlands by spacing treatment and application of liquid organic fertilizers

YAYA HASANAH , RATNA ROSANTI LAHAY

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Growth and production of Cilembu sweet potatoes (Ipomoea batatas L.) varieties in the highlands with potassium fertilizer and pruning treatments

NINI RAHMAWATI , YAYA HASANAH

2021
Jurnal internasional bereputasi

Estimated compatibility of IRR 400 series as promising rubber clones with GT1 rootstock based on growth characters

MOHAMMAD BASYUNI , YAYA HASANAH

2021
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Drought tolerance selection of GT1 rubber seedlings with the addition of polyethylene glycol (PEG) 6000

YAYA HASANAH , MOHAMMAD BASYUNI , EDISON PURBA

2020
Prosiding seminar internasional

Application of bamboo shoot extract as natural plant growth regulator on the growth binahong (Anredera cordifolia (Ten.) Steenis.) in Tanah Karo

YAYA HASANAH , IRSAL , LISA MAWARNI

2020
Jurnal nasional terakreditasi

FIELD SCHOOL OF ORGANIC FARMING AS AN EFFORT TO INCREASE ORGANIC RICE PRODUCTION

HERLA RUSMARILIN , YAYA HASANAH , HAMIDAH HANUM

2020
Jurnal nasional terakreditasi

Organic Rice Cultivation System to Support Food Security

YAYA HASANAH , HAMIDAH HANUM , HERLA RUSMARILIN

2020
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Organic Rice Cultivation System to Support Food Security

HAMIDAH HANUM , YAYA HASANAH , HERLA RUSMARILIN

2020
Jurnal internasional

Nutrient content of Soybean varieties under dry land conditions as affected of technological packages application

YAYA HASANAH , HAMIDAH HANUM

2018
Jurnal nasional

Respons Pertumbuhan Binahong (Anredera cordifolia (Rens) Stennis) Terhadap Perbedaan Bahan Tanam Dan Komposisi Media Tanam: Response Growth of Anredera (Anredera cordifolia L.)â€¦

YAYA HASANAH , ASIL BARUS

2018
Jurnal nasional

Respons Pertumbuhan Binahong (Anredera cordifolia (Rens) Stennis) Terhadap Perbedaan Bahan Tanam Dan Komposisi Media Tanam: Response Growth of Anredera (Anredera cordifoliaÃƒâ€šÃ‚Â â€¦

YAYA HASANAH , ASIL BARUS

2017
Jurnal nasional

Respons Pertumbuhan Dan Produksi Kedelai (Glycine max (L.) Merill) Terhadap Aplikasi Pupuk Kandang Sapi Dan Pupuk Organik Cair: Growth and Production of Soybean Response onÃ‚Â …

YAYA HASANAH

2017
Jurnal nasional

Respons Pertumbuhan Bahan Bud Set Tebu (Saccharum officinarumL.) terhadap Konsentrasi Naphthalene Acetic Acid (NAA)+ Naphthalene Acetamide (NAAm): Growth Response Of Sugar CaneÃ‚Â …

YAYA HASANAH

2016
Jurnal nasional

Sebaran Gulma Eleusine indica L. Gaertn Resisten Ganda Herbisida pada Satu Kebun Kelapa Sawit di Sumatera Utara

YAYA HASANAH

2016
Jurnal nasional

Salicylic acid treatment via the rooting medium interferes with stomatal response, CO₂ fixation rate and carbohydrate metabolism in tomato and decreases harmfulÃƒâ€šÃ‚Â …

YAYA HASANAH

2016
Jurnal nasional terakreditasi

Penerapan Sistem Budidaya Sayur Mina Padi Organik Dalam Mendukung Ketahanan Pangan

YAYA HASANAH

2016
Jurnal nasional

Response in growth of shallot (Allium ascalonicum L.) to application of mulch and some plant spacing

YAYA HASANAH

2016
Jurnal nasional

Respons Pertumbuhan dan Produksi Kedelai (Glycine max (L.) Merril.) Terhadap Aplikasi Pupuk Hayati dan Tepung Cangkang Telur: The Growth Response and Production of SoybeanÃ‚Â …

YAYA HASANAH

2016
Jurnal nasional

Respons Pertumbuhan Bawang Merah (Allium ascalonicum L.) Terhadap Pemberian Kompos Sampah Kota dan Pupuk K: Response Yield of Shallot on the Application Urban Waste Compost andÃ‚Â …

YAYA HASANAH

2016
Jurnal nasional

Respons Pertumbuhan dan Produksi Kedelai (Glycine max (L.) Merril.) Terhadap Aplikasi Pupuk Hayati dan Tepung Cangkang Telur: The Growth Response and Production of SoybeanÃƒâ€šÃ‚Â …

YAYA HASANAH

2016
Jurnal nasional

Respons Pertumbuhan Dua Bahan Tanam Setek Nilam (Pogostemon cablin Benth.) Terhadap Pemberian NAA (Napthalene Acetic Acid): The Growth Response of Planting Material CuttingsÃ‚Â …

YAYA HASANAH

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Jurnal nasional

Respons Pertumbuhan Dua Bahan Tanam Setek Nilam (Pogostemon cablin Benth.) Terhadap Pemberian NAA (Napthalene Acetic Acid): The Growth Response of Planting Material CuttingsÃƒâ€šÃ‚Â …

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Jurnal nasional

Respons Pertumbuhan dan Produksi Kedelai (glycine max (L.) Merril) Terhadap Pemberian Biochar dan Pupuk Organik Cair: Growth and Production of Soybean Response on applicationÃƒâ€šÃ‚Â …

YAYA HASANAH

2016
Jurnal nasional

Respons Pertumbuhan Bawang Merah (Allium ascalonicum L.) Terhadap Pemberian Kompos Sampah Kota dan Pupuk K: Response Yield of Shallot on

the Application Urban Waste Compost andÃƒâ€šÃ‚Â …

YAYA HASANAH

2016
Jurnal nasional

Respons Pertumbuhan Bawang Merah (Allium ascalonicum L.) Terhadap Aplikasi Mulsa dan Perbedaan Jarak Tanam: Response in growth of shallot (Allium ascalonicum L.) to applicationÃƒâ€šÃ‚Â …

YAYA HASANAH

2016
Jurnal nasional

Respons Pertumbuhan Bawang Merah (Allium ascalonicum L.) Terhadap Aplikasi Mulsa dan Perbedaan Jarak Tanam: Response in growth of shallot (Allium ascalonicum L.) to applicationÃ‚Â …

YAYA HASANAH

2016
Jurnal nasional

Respons Pertumbuhan dan Produksi Kedelai (glycine max (L.) Merril) Terhadap Pemberian Biochar dan Pupuk Organik Cair

YAYA HASANAH

2016
Jurnal nasional

Distribution Of Multipple Herbicide Resistant Eleusine indica L. Gaertn. An Oil Palm Estate In North Sumatera

YAYA HASANAH

2016
Jurnal nasional

Respons Pertumbuhan dan Produksi Kedelai (glycine max (L.) Merril) Terhadap Pemberian Biochar dan Pupuk Organik Cair: Growth and Production of Soybean Response on applicationÃ‚Â …

YAYA HASANAH

2015
Jurnal internasional

Isoflavone content of soybean [Glycine max (L). Merr.] cultivars with different nitrogen sources and growing season under dry land conditions

YAYA HASANAH

2015
Jurnal nasional

Keragaan bibit bud chips tebu (Saccharum officinarum L.) dengan perlakuan lama perendaman dan konsentrasi IAA

YAYA HASANAH

2015
Jurnal nasional terakreditasi

Pertumbuhan dan Produksi Kacang Bogor (Vigna subterranea (L.) dengan Pemberian Pupuk P dan Arang Sekam Padi

YAYA HASANAH

2015
Jurnal nasional

Respons Produksi Dua Varietas Bawang Merah (Allium ascalonicum L.) Terhadap Aplikasi Beberapa Jenis Pupuk Hijau

YAYA HASANAH

2015
Jurnal nasional

Respons Pertumbuhan Dan Produksi Kedelai (Glycine max (L.) Meriil) Terhadap Konsentrasi Dan Cara Pemberian Pupuk Organik Cair

YAYA HASANAH , ASIL BARUS

Researches

2026

Optimalisasi Potensi Agronomis dan Zat Bioaktif Bawang Merah Samosir melalui Poliploidisasi Kolkisin

YAYA HASANAH , DIANA SOFIA HANAFIAH , RIDWANSYAH , ELISA JULIANTI , IRDA SAFNI

2026
Penelitian Fundamental

PERUBAHAN PIGMEN FOTOSINTETIK, AKTIVITAS ANTIOKSIDAN DAN FLAVONOID KEDELAI DALAM KONDISI STRES KEKERINGAN MELALUI PERAN FENILALANIN

YAYA HASANAH , NURSA'ADAH , LISDA RIMAYANI NASUTION , NAHRISA RAHMADHANI

2025

Perubahan Kandungan Isoflavon, Aktivitas Antioksidan dan Total Fenol Kedelai melalui peran Prekursor Asam Kumarat dan Fenilalanin dalam Mendukung Ketahanan Pangan

YAYA HASANAH , NURSA'ADAH , LISDA RIMAYANI NASUTION , MUHAMMAD SYAHRIL

2025
Penelitian Tim Pasca Sarjana

Karakteristik Morfofisiologi, Produksi dan Kandungan Fitokimia Cabai Merah Lokal asal Lubuk Cuik dan Varietas Unggul dengan Aplikasi Pupuk Hayati Cair

YAYA HASANAH , REVANDY I M DAMANIK

2025

Kajian Potensi Hilirisasi Cabai dan Tomat Sumatera Utara

YAYA HASANAH , TAVI SUPRIANA , DIAN PEBRIYANI , ELISA JULIANTI , RULIANDA PURNOMO WIBOWO

2025
Penelitian Unggulan Strategis Nasional

PERBAIKAN GENETIK BAWANG MERAH LOKAL SAMOSIR DAN PENGUJIAN KETAHANAN PENYAKIT LAYU FUSARIUM

YAYA HASANAH , LUTHFI AZIZ MAHMUD SIREGAR , DIANA SOFIA HANAFIAH , MUHAMMAD SYAHRIL , ELISA JULIANTI , IRDA SAFNI

2024

STRATEGI PENINGKATAN PRODUKTIVITAS BAWANG MERAH LOKAL SAMOSIR MELALUI APLIKASI MUTAGEN KIMIA DAN PENGARUHNYA TERHADAP PERUBAHAN KANDUNGAN FITOKIMIA

YAYA HASANAH , MARIANI BR SEMBIRING , MARIATI , DIANA SOFIA HANAFIAH , MUHAMMAD SYAHRIL , ELISA JULIANTI , MUSLIH ARRIDHO , GILANG AULIA PERANGIN-ANGIN

2024

ASSESSMENT ON THE EFFECTS OF POLY4 (K-Ca-Mg-S) ON GROWTH PERFORMANCE AND YIELD OF OIL PALM GROW IN SALINE SOIL

SARIFUDDIN , YAYA HASANAH , LISA MAWARNI

2023
Penelitian Fundamental

EVALUASI PRODUKSI DAN MUTU BENIH BAWANG MERAH DI DATARAN RENDAH MELALUI APLIKASI BORON DAN BENZYL AMINO PURIN

YAYA HASANAH , NURSA'ADAH , DIANA SOFIA HANAFIAH

2023
Penelitian Dana Lokal Perguruan Tinggi

Perakitan Genetik Kultivar Cabai Lokal asal Kabupaten BatuBara

YAYA HASANAH , DIANA SOFIA HANAFIAH , Khairunnisa Lubis

2023
Penelitian Kompetensi

EVALUASI PRODUKSI DAN MUTU BENIH BAWANG MERAH DI DATARAN RENDAH MELALUI APLIKASI BORON DAN BENZYL AMINOPURIN

YAYA HASANAH , NURSA'ADAH , DIANA SOFIA HANAFIAH

2023
Penelitian Fundamental

Optimasi Teknologi Produksi dan Mutu Biji Botani Bawang Merah Lokal Samosir

YAYA HASANAH , NURSA'ADAH , DIANA SOFIA HANAFIAH

2023
Ipteks Bagi Wilayah Antara PT-CSR / PT-PEMDA-CSR

Pengaruh Perbedaan Waktu Panen Terhadap Viabilitas Benih Cabai Merah (Capsicum annuum L)

NINI RAHMAWATI , YAYA HASANAH , MARIANI BR SEMBIRING , MARIATI , DIANA SOFIA HANAFIAH , HARYATI , RAHMATIKA ALFI , ANTONIO MARRO SIPAYUNG , IRDA SAFNI

2022
Penelitian Fundamental

PERAN MOLIBDENUM DALAM HUBUNGANNYA DENGAN RHIZOBIUM PADA PENINGKATAN FIKSASI NITROGEN BIOLOGIS DAN PRODUKSI KEDELAI SEBAGAI PANGAN FUNGSIONAL

YAYA HASANAH , HAMIDAH HANUM

2022
Riset Andalan Perguruan Tinggi dan Industri

HI-Cloud: Health Innovation-Clover of Oxalis dehradunensis Start up Bidang Produk Inovasi Berbasis Potensi Lokal

YAYA HASANAH , EKA LESTARI MAHYUNI , EDISON PURBA , YENI ABSAH , URIP HARAHAP

2022
Riset Andalan Perguruan Tinggi dan Industri

Penelitian Pengaruh Poly 4 Terhadap Pertumbahan dan Hasil Kelapa Sawit di Tanah Salin

SARIFUDDIN , YAYA HASANAH , LISA MAWARNI , FAUZI

2022
Penelitian Unggulan Perguruan Tinggi

Evaluasi Potensi Produksi, Karakter Morfofisiologi dan Kandungan Quersetin Bawang Merah asal TSSdi Dataran Tinggi dan Rendah untuk Mendukung Pengembangan Food Estate dan Pangan Fungsional

YAYA HASANAH , LISA MAWARNI , HAMIDAH HANUM

2022
Penelitian Unggulan Perguruan Tinggi

Evaluasi Potensi Produksi, Karakter Morfofisiologi dan Kandungan Quersetin Bawang Merah asal TSSdi Dataran Tinggi dan Rendah untuk Mendukung Pengembangan Food Estate dan Pangan Fungsional

YAYA HASANAH , LISA MAWARNI , HAMIDAH HANUM , KLERY RUGUN MANURUNG , ANAS MUHTAROM KUSRIARMIN

2021
Penelitian Dana Lokal Perguruan Tinggi

INTERNATIONAL CONFERENCE ON AGRICULTURE, ENVIRONMENT, AND FOOD SECURITY 2021 (AEFS 2021)

YAYA HASANAH , HAMIDAH HANUM , T IRMANSYAH

2020
Penelitian Fundamental

PERAN SULFUR DAN PAKLOBUTRAZOL DALAM PERUBAHAN PARTISI FOTOSINTAT UNTUK MENINGKATKAN PRODUKTIVITAS DAN KUALITAS BAWANG MERAH ASAL TRUE SHALLOT SEED

YAYA HASANAH

2020

PERAN SULFUR DAN PAKLOBUTRAZOL DALAM PERUBAHAN PARTISI

FOTOSINTAT UNTUK MENINGKATKAN PRODUKTIVITAS DAN KUALITAS BAWANG MERAH ASAL TRUE SHALLOT SEED

YAYA HASANAH , LISA MAWARNI , HAMIDAH HANUM , LISDA BR TARIGAN , MUHAMMAD THOHA RHAMADHAN

2019
Penelitian Unggulan Perguruan Tinggi

OPTIMASI PRODUKSI DAN KANDUNGAN FITOKIMIA BINAHONG (Anredera cordifolia (L.) Steenis) SEBAGAI SUMBER FITOFARMAKA BERBASIS SUMBER DAYA LOKAL

YAYA HASANAH , LISA MAWARNI , HERLA RUSMARILIN , ASMADI RISMAN HASIBUAN , ASPRI OKI PRASTYA , GRACE C T MANURUNG , NURHAIDA

2019

PERAN MAGNESIUM DALAM PERUBAHAN PARTISI FOTOSINTAT UNTUK MENINGKATKAN PRODUKTIVITAS KEDELAI DI LAHAN KERING

YAYA HASANAH , LISA MAWARNI , HAMIDAH HANUM , BAYU ARDI , MUHAMMAD REZA NASUTION

2017
Penelitian Dana Lokal Perguruan Tinggi

Peningkatan Kandungan Isoflavon Kedelai Melalui Aplikasi Elisitor Kitosan dan Asam Salisilat serta Prekursor Fenilalanin

YAYA HASANAH , MARIANI BR SEMBIRING , HAMIDAH HANUM

2014
Ipteks Bagi Masyarakat

IbM PABRIK TAHU DALAM PEMANFAATAN POTENSI LIMBAH CAIR TAHU MENJADI PUPUK ORG

YAYA HASANAH , RIDWANSYAH

Community Services

2026

Penguatan Ketahanan Ekonomi Dan Lingkungan Desa Cempa Melalui Integrasi Budidaya Perikanan, Jamur Tiram, Peternakan Rakyat, Dan Mitigasi Banjir Berbasis Partisipatif

ADRIAN HILMAN , YAYA HASANAH , JULIA SYAHRIANI HASIBUAN , ELISA JULIANTI , MHD. ADANAN PURBA

2026
Ipteks Bagi Masyarakat

Pengabdian kepada Masyarakat Program Desa Binaan Talenta Sumber Dana Non PNBP Tahun Anggaran 2026

YAYA HASANAH , RIDWANSYAH , JULIA SYAHRIANI HASIBUAN , HARYA BIMASUCI WIDDHIHANANGGADIPAJATI , SITI BASYARIAH PUTRI LUBIS , ELISA JULIANTI , MHD. ADANAN PURBA

2025

Pelatihan dan Pembuatan Pupuk Organik Cair dan Biochar untuk Menunjang Ketahanan Pangan

YAYA HASANAH , TAVI SUPRIANA , BENNY HIDAYAT , MEIRIANI , BEATRIX SOFRANES NAPITUPULU

2025

TRANSFER OF CASSAVA CULTIVATION TECHNOLOGI THROUGH STEM CUTTINGNTECHNIQUES TO INCREASE YIELDS

NINI RAHMAWATI , YAYA HASANAH , NURSA'ADAH , HAFNES WAHYUNI

2025

Transfer Of Cassava Cultivation Technologi Through Stem Cuttingntechniques To Increase Yields

NINI RAHMAWATI , YAYA HASANAH , NURSA'ADAH , HAFNES WAHYUNI

2025

TRANSFER OF CASSAVA CULTIVATION TECHNOLOGI THROUGH STEM

CUTTINGNTECHNIQUES TO INCREASE YIELDS

YAYA HASANAH , NURSA'ADAH , HAFNES WAHYUNI

2025
Ipteks Bagi Masyarakat

Pelatihan dan Pembuatan Pupuk Organik Cair dan Biochar untuk Menunjang Ketahanan Pangan

YAYA HASANAH , TAVI SUPRIANA , BENNY HIDAYAT , MEIRIANI , BEATRIX SOFRANES NAPITUPULU

2025
Ipteks Bagi Masyarakat

PEMBERDAYAAN KELOMPOK PEREMPUAN LANJUT USIA BERBASIS BUDIDAYA DAN PENGOLAHAN MICROGREENS UNTUK MENINGKATKAN KETAHANAN PANGAN RUMAH TANGGA

YAYA HASANAH , MARIANI BR SEMBIRING , ELISA JULIANTI

2025
Ipteks Bagi Masyarakat

Pelatihan Good Agricultural Practices Tanaman Hortikultura dan Pekarangan Pangan Lestari menuju Ketahanan Pangan Berkelanjutan

YAYA HASANAH , TAVI SUPRIANA , VIRA IRMA SARI , MEIRIANI

2024

PENDAMPINGAN KELOMPOK LELE LAWAR DESA BATU MELENGGANG DALAM MENINGKATKAN USAHA BUDIDAYA JAMUR TIRAM MELALUI PEMBUATAN BAGLOG DAN PENGOLAHAN PRODUK

YAYA HASANAH , ANGGRIA LESTAMI , ELISA JULIANTI , ALGHI FARI , NADZRA ERVINA LUBIS

2024
Ipteks Bagi Masyarakat

Pengembangan Kapasitas Produksi Jamur Tiram, Diversifikasi, serta Manajemen Strategi Pemasaran Produk Olahan Jamur Tiram

YAYA HASANAH , ANGGRIA LESTAMI , ELISA JULIANTI

2024
Ipteks Bagi Masyarakat

Peningkatan Wawasan Petani terhadap perbaikan lahan Pertanian dengan menggunakan pupuk organik untuk memperbaiki kualitas tanah yang terdegradasi akibat penggunaan pupuk anorganaik berlebihan

YAYA HASANAH , LISA MAWARNI , MEIRIANI , RATNA ROSANTI LAHAY , HARYATI

2024
Ipteks Bagi Masyarakat

Pengembangan Kapasitas Produksi Jamur Tiram, Diversifikasi, serta Manajemen Strategi Pemasaran Produk Olahan Jamur Tiram

YAYA HASANAH , NURSA'ADAH , DIAN PEBRIYANI

2023

Pelatihan Good Agricultural Practice Cabai di Desa Lubuk Cuik

NINI RAHMAWATI , YAYA HASANAH , MARIANI BR SEMBIRING , MARIATI , HARYATI , ELISA JULIANTI , ANTONIO MARRO SIPAYUNG

2023

Penggunaan Pupuk FertoMax pada Tanaman Ubi Jalar, Kailan dan Pakcoy

NINI RAHMAWATI , YAYA HASANAH , JONATAN GINTING , MEIRIANI , RATNA ROSANTI LAHAY , NOVERITA SPRINSE VINOLINA , CHARLOQ ROSA NABABAN

2022
Ipteks Bagi Masyarakat

Budi Daya Acem Acem (Oxalis dehradunensis Raizada) dan Pemanfaatannya sebagai Hand Sanitizer untuk Perlindungan Paparan Pestisida Kimia

YAYA HASANAH , EKA LESTARI MAHYUNI

2022
Ipteks Bagi Masyarakat

PENINGKATAN KEMANDIRIAN PENGUSAHA JAMUR TIRAM (Pleurotus ostreatus) DALAM PENYEDIAAN BIBIT

NINI RAHMAWATI , YAYA HASANAH , NURSA'ADAH , MARIANI BR SEMBIRING , ALFITRAH SALAM HARAHAP , LOBERTO ALDI GIORDANO TUMANGGOR , NURIL HASANAH NASUTION

2021
Ipteks Bagi Masyarakat

PEMBERDAYAAN PANTI ASUHAN MELALUI BIOENTREPRENEURSHIP PEMBUATAN KOKEDAMA DAN BUDIDAYA TANAMAN SISTEM KAPILER

YAYA HASANAH , LISA MAWARNI , HAMIDAH HANUM , AULIA DELFIYANTI , DADIN RAHMADHAN , TASYA , RAHMAH RAMADHANI , KHAIRUL ICHSANA

2020

PEMANFAATAN ECO ENZYME SEBAGAI PUPUK ORGANIK CAIR UNTUK MENINGKATKAN PRODUKSI PADI ORGANIK DAN DESINFEKTAN DALAM UPAYA UNTUK MENCEGAH PENYEBARAN COVID-19

YAYA HASANAH , HAMIDAH HANUM

2020
Ipteks Bagi Masyarakat

PEMANFAATAN ECO ENZYME SEBAGAI PUPUK ORGANIK CAIR UNTUK MENINGKATKAN PRODUKSI PADI ORGANIK DAN DESINFEKTAN DALAM UPAYA UNTUK MENCEGAH PENYEBARAN COVID-19

YAYA HASANAH , LISA MAWARNI , HAMIDAH HANUM , AGUS SETIAWAN SYAHPUTRA , MUHAMMAD THOHA RHAMADHAN

Intellectual Property Rights

2026
Hak cipta nasional

Pengolahan Microgreens Menjadi Produk Pangan Bergizi PadaKelompok Perempuan Lanjut Usia

YAYA HASANAH , ELISA JULIANTI , MARIANI BR SEMBIRING , VIRA IRMA SARI , BEATRIX SOFRANES NAPITUPULU

2026
Hak cipta nasional

PERTANIAN TERPADU RAMAH LINGKUNGAN

YAYA HASANAH , NI GST. AG. GDE EKA MARTININGSIH , DEASI MAYAWATI , ASIKIN MUCHTAR , YURMA METRI , KURNIAWAN

2026
Hak cipta nasional

Pemberdayaan Kelompok Perempuan Lanjut Usia BerbasisBudidaya Microgreens Oleh Tim Pengabdian FP USU

VIRA IRMA SARI , MARIANI BR SEMBIRING , YAYA HASANAH , BEATRIX SOFRANES NAPITUPULU , ELISA JULIANTI

2026
Hak cipta nasional

Ilmu Pertanian dan Pengelolaan Sumber Daya Alam

MADE SRI SUMARNIASIH , YAYA HASANAH

2026
Hak cipta nasional

Ilmu Pertanian dan Pengelolaan Sumber Daya Alam

CHRISTIN IMELDA GIRSANG , KETTI ANDRAYANI , JESSYCA PUTRI CHOIRUNNISA , HERMAN TANGKELAYUK , ASIKIN MUCHTAR , MADE SRI SUMARNIASIH , ABDUL RAHMAT MANDEA , M. INDAR PRAMUDI , YAYA HASANAH

2026
Hak cipta nasional

Ilmu Pertanian dan Pengelolaan Sumber Daya Alam

YAYA HASANAH

2025
Hak cipta nasional

Ketahanan Pangan

YAYA HASANAH

2025
Hak cipta nasional

Teknologi Benih Dalam Pertanian

KUAD SUWARNO , YAYA HASANAH , AGUS SUPRAPTO , LIBRIA WIDIASTUTI , MARIA 'AZIZAH , LINCE ROMAULI PANATARIA , CATUR WASONOWATI , GANI JAWAK , DEVIONA , DIAN YUSTISIA

2022
Hak cipta nasional

Membangun bisnis start up (project base learning)

EKA LESTARI MAHYUNI , YAYA HASANAH , YENI ABSAH

2022
Hak cipta nasional

Start up HI Cloud Viral Inovasi Kesehatan Berbasis Potensi Lokal

YENI ABSAH , URIP HARAHAP , YAYA HASANAH , EKA LESTARI MAHYUNI , EDISON PURBA

2022
Hak cipta nasional

Membangun Bisnis Start-Up (Project Base Learning)

YENI ABSAH , EKA LESTARI MAHYUNI , YAYA HASANAH , EDISON PURBA , URIP HARAHAP

2022
Paten nasional

Lembaga Inovasi Penulisan Ilmiah dan Hak Kekayaan Intelektual - Universitas Sumatera Utara

URIP HARAHAP , EKA LESTARI MAHYUNI , YENI ABSAH , EDISON PURBA , YAYA HASANAH

2017
Hak cipta nasional

BUDIDAYA TANAMAN OBAT DAN REMPAH

YAYA HASANAH , HAPSOH

2017
Hak cipta nasional

BUDIDAYA DAN TEKNOLOGI PASCAPANEN JAHE

ELISA JULIANTI , YAYA HASANAH , HAPSOH