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Prof. Dr. Ir. Abdul Rauf, M.P., born in Binjai on September 17, 1959, is an Agrotechnology lecturer at the Universitas Sumatera Utara specializing in Soil and Water Conservation and Watershed Management. He completed his final education at the Doctoral Program in Soil Science at IPB in 2004.

As a professor, Prof. Dr. Ir. Abdul Rauf has contributed significantly to developing agrotechnology science, especially in soil and water conservation and watershed management. His dedication to education, research, and application of science reflects a commitment to agricultural sustainability and environmental conservation at the Universitas Sumatera Utara.

Publications

2026

Jurnal internasional bereputasi

Urban Tree Health Assessment Using Forest Health Monitoring for Eco Forest City Planning in Medan, Indonesia

ABDUL RAUF , SURANTO, ST., MT , RAHMAWATY , ISNEN FITRI , LUTHFI HAKIM , DELVIAN

2026

Jurnal internasional bereputasi

Evolution and global trends in nature-based solutions for eco-city planning: a bibliometric analysis (2005-2025)

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Evolution and global trends in nature-based solutions for eco-city planning: a bibliometric analysis (2005-2025)

SURANTO, ST., MT , RAHMAWATY , LUTHFI HAKIM , ISNEN FITRI , ABDUL RAUF , DELVIAN

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Jurnal internasional bereputasi

Identification of Key Actors in the Conservation of Amorphophallus gigas in North Sumatra Using the MACTOR Method

RIDAHATI RAMBEY , ABDUL RAUF , ESTHER SORTA MAULI NABABAN , RAHMAWATY

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Jurnal internasional bereputasi

Morphological Diversity of Amorphophallus gigas (Araceae) in North Sumatra, Indonesia

RIDAHATI RAMBEY , LUTHFI HAKIM , RAHMAWATY , ABDUL RAUF , Sarah Augustina

2026

Jurnal internasional bereputasi

Risk analysis of human-wildlife conflict in Leuser Ecosystem Area, Indonesia

ABDUL RAUF , RAHMAWATY , DELVIAN , R. HAMDANI HARAHAP

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Enhancing Percut Watershed Sustainability in North Sumatra: The Role of

Monitoring and Evaluation

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Jurnal internasional

Enhancing Percut Watershed Sustainability in North Sumatra: The Role of Monitoring and Evaluation

FITRA SYAWAL HARAHAHAP , ABDUL RAUF , RAHMAWATY

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Jurnal internasional bereputasi

Study of Soil Erodibility in Its Relationship with Coffee Plant Productivity Based on Agr oductivity Based on Agroforestry in Silaen Sub-district, T y in Silaen Sub-district, Toba Regency

DR IR RAHMANTA GINTING MSI , DELVIAN , BADARUDDIN , FITRA SYAWAL HARAHAHAP , RAHMAWATY , ABDUL RAUF

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Jurnal internasional bereputasi

Land Suitability for Seasonal Crops: Limiting Factors and SDG-Aligned Management Strategies

R. HAMDANI HARAHAHAP , RAHMAWATY , ABDUL RAUF , T ALIEF ATHTHORICK

2026

Jurnal nasional terakreditasi

Evaluation of Peat Nutrient Content in Coconut Plantations: Palm oil (*Elaeis gueneensis* Jacq.) In Paham Labuhanbatu

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2025

Jurnal internasional bereputasi

Tree species distribution analysis for eco forest city development in Medan Belawan Subdistrict, North Sumatra, Indonesia

RAHMAWATY , ISNEN FITRI , LUTHFI HAKIM , ABDUL RAUF , DELVIAN , SURANTO, ST., MT

2025

Prosiding seminar internasional

The role of phosphate solubilizing fungi from the shallot rhizosphere on increasing the growth and yield of shallot on Andisol

T SABRINA , ABDUL RAUF , AGUSTINA E BR MARPAUNG

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Jurnal internasional

Adoption of Good Agricultural Practices (GAP) Among Arabica Coffee Farmers in Simalungun, Indonesia

ABDULLAH AKHYAR NASUTION , R. HAMDANI HARAHAHAP , ABDUL RAUF , RAHMAWATY , ISFENTI SADALIA , FARID AULIA

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Jurnal internasional bereputasi

Adoption of Good Agricultural Practices (GAP) among Arabica Coffe Farmers in Simalungun, Indonesia

FARID AULIA , R. HAMDANI HARAHAHAP , ABDUL RAUF , RAHMAWATY , ISFENTI SADALIA , ABDULLAH AKHYAR NASUTION

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Jurnal internasional bereputasi

The physical and chemical characteristics of soil in different cropping patterns on potato production in Merek District, Karo Regency

POSMA MANGASI PINTARIA MARBUN , MARIANI BR SEMBIRING , ABDUL RAUF , Delima Napitupulu

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Jurnal nasional terakreditasi

Analisis Keberlanjutan Usahatani Andaliman di Kabupaten Toba

LINDAWATI , ABDUL RAUF

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Jurnal nasional

Mitigasi dan Adaptasi Bencana Hidrometeorologi Berbasis Pendekatan

Ekonomi di Desa Habeahan Kecamatan Lintong Nihuta Kabupaten Humbang Hasundutan

ABDUL RAUF , T IRMANSYAH , RULIANDA PURNOMO WIBOWO , HELOVA LEONARD PANJAITAN , YUSAK MARYUNIANITA

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RITHA F DALIMUNTHE , ABDUL RAUF , ROBERT SIBARANI , RAHMAWATY , R. HAMDANI HARAHAHAP

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Jurnal internasional bereputasi

ANALYSIS OF FARMERS' INCOME AND WILLINGNESS TO PAY FOR UPSTREAM WATERSHED IMPROVEMENT IN KRUENG KLUET ACEH INDONESIA

RAHMAT SURYANTO PIRNGADI , RAHMAWATY , SRI FAJAR AYU, SP, MM, DBA , ABDUL RAUF

2025

Jurnal nasional terakreditasi

Lubang Resapan Biopori Sebagai Solusi Berkurangnya Daerah Resapan Air Di Desa Tebing Tinggi Pangkatan Kecamatan Pangkatan

ABDUL RAUF , RAHMAWATY , HILWA WALIDA , FITRA SYAWAL HARAHAHAP

2025

Hasil penelitian/pemikiran yang tidak dipublikasikan

Partisipasi Kelompok Komunitas Bambu Lestari dalam Pengelolaan Kawasan Penyangga Taman Nasional Gunung Leuser (TNGL)

FITRA SYAWAL HARAHAHAP , ABDUL RAUF , RAHMAWATY , R. HAMDANI HARAHAHAP

2025

Prosiding seminar nasional

Mitigasi dan Adaptasi Bencana Hidrometeorologi di Desa Habeahan Kecamatan Lintong Nihuta Kabupaten Humbang Hasundutan terhadap Aspek Lingkungan dalam Mewujudkan SDGs

NUR ULINA WARNISYAH SEBAYANG , T IRMANSYAH , ABDUL RAUF , RAHMAWATY , BEJO SLAMET

2025

Prosiding seminar internasional

System Research and Optimization of Coffee-Based Agricultural Land as a Sustainable Forest Management Alternative

BUDIYONO , ABDUL RAUF

2025

Jurnal internasional bereputasi

Mathematical Modeling of Ecological Associations and Spatial Distribution of Nepenthes Tobaica in Ria-Ria Village, North Sumatra: Implications for Conservation and Management

ERWIN , ESTHER SORTA MAULI NABABAN , RIDAHATI RAMBEY , RAHMAWATY , ABDUL RAUF , Mohd Nazip Suratman , Mohd Hasmadi Ismail , Muhammad Hadi Saputra , MUHAMMAD ROMI SYAHPUTRA

2025

Prosiding seminar internasional

Potential and distribution of Sikkam trees (Bischofia javanica Blume) in

Sibolangit Nature Park, Sibolangit District, Deli Serdang Regency, North Sumatra Province

DELVIAN , RIDAHATI RAMBEY , RAHMAWATY , ABDUL RAUF , ESTHER SORTA MAULI NABABAN

2025

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Potential of phosphate solubilizing microbes from Andisol in qualitatively dissolving P at various pH

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Jurnal internasional

Management strategies for natural tourism and non-timber forest products support the protection of The Gunung Leuser National Park Buffer Area in mitigating climate change

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Jurnal internasional

Management strategies for natural tourism and non-timber forest products support the protection of The Gunung Leuser National Park Buffer Area in mitigating climate change

R. HAMDANI HARAHAP , RAHMAWATY , T ALIEF ATHTHORICK , ABDUL RAUF , Peter Aning Tedong , Takahiro Fujiwara , Mohd Hasmadi Ismail

2025

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Distribution and habitat suitability of Amorphophallus gigas with MaxEnt modeling in north Sumatra, Indonesia

ESTHER SORTA MAULI NABABAN , RIDAHATI RAMBEY , T ALIEF ATHTHORICK , ABDUL RAUF , DELVIAN

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Jurnal nasional terakreditasi

ANALISIS PENDAPATAN USAHATANI TANAMAN HORTIKULTURA DI FOOD ESTATE HUMBANG HASUNDUTAN

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Evaluation of Land Suitability For Durian (Durio Zibethinus) Plants In Parmaksian District, Toba Regency

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System study and optimization of coffee-based agricultural land as a sustainable forest management alternative

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Physicochemical characteristics of andisols and their correlation to potato yield based on land mapping units

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Inventory and Evaluation of Agroforestry Systems in Laguboti District, Toba Regency, to Support Farmers' Income

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PHYSIOLOGICAL CHARACTERISTICS OF THE RED RICE WITH APPLICATION OF ASCORBIC ACID UNDER SALINITY STRESS CONDITIONS

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The effect of planting distance engineering treatment on the morphophysiology and yield of soybean varieties integrated with oil palm

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Vegetation structure of associated flora in Amorphophallus gigas Teijsm. & Binn.(Araceae) habitats, North Padang Lawas Regency, North Sumatra

ESTHER SORTA MAULI NABABAN , RIDAHATI RAMBEY , RAHMAWATY , ABDUL RAUF , DELVIAN , T ALIEF ATHTHORICK

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Jurnal nasional terakreditasi

Population and Habitat Management Development Strategy in The Tapanuli Orangutan (Pongo tapanuliensis) Conservation Area

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Microbial phosphate solubilization mechanisms in P solubilizing in andisol

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Carbon Trading Literacy for Rural Communities

VITA CITA EMIA TARIGAN , MAHMUL SIREGAR , MOHAMMAD EKAPUTRA , ABDUL RAUF , Siti Hafsyah Idris

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Vegetation structure of associated flora in Amorphophallus gigas Teijsm. & Binn.(Araceae) habitats, North Padang Lawas Regency, North Sumatra

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Potential biodiversity of biopesticide plants in the Sopotinjak Sector, Batang Gadis National Park (BGNP), Mandailing Natal, North Sumatera

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Natural Growth Model of Amorphophallus gigas from Simandiingin Hamlet, Sungai Kanan District, North Sumatr

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Habitat preferences of Amorphophallus sp. Silaiya village, Sayur Matinggi District, North Sumatra, Indonesia

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Persimmon fruit downstream prospects: a promising solution to increase farmer income in Malang Regency, East Java, Indonesia

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Reformulation of Persimmon Value-Added Model: Product Downstream Development Strategy for Farmers in East Java, Indonesia

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Monograf

EFEKTIVITAS METODE PEMUPUKAN PADA PERTUMBUHAN DUA VARIETAS BIBIT KELAPA SAWIT (Elaeis guineensis Jacq.) DI PEMBIBITAN UTAMA (Main Nursery)

ERWIN JUNAIDI LUBIS , ABDUL RAUF , SARIFUDDIN

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Artikel ilmiah

Belawan Harbour Environmental Monitoring Supports Welfare of Fisherman

ABDUL RAUF , RAHMAWATY , R. HAMDANI HARAHAP

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Effectiveness of Fertilization Techniques on Growth Two Varieties of Palm Oil Seeds (Elaeis guineensis Jacq.) in Main Nursery

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Association of Amorphophallus gigas on rubber land cover in the Sabungan Village, South Labuhanbatu, North Sumatra

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Study of N, P, K Nutrient Uptake In Paddy Plant With Total Soil Microbes In Sei Nahodaris Village, Panai Tengah District, Labuhanbatu Regency

ABDUL RAUF , FITRA SYAWAL HARAHAP

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Padi Beras Hitam (Black Rice)

DAFNI MAWAR TARIGAN , WAN ARFIANI BARUS , ABDUL RAUF , R. SABRINA

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Mangrove cover change (2005-2019) in the Northern of Medan City, North Sumatra, Indonesia

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Response of four oil palm varieties to low frond desiccation in the main nursery with water stress conditions on peat

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Penghijauan Bataran Sungai Bilah Di Desa Tebing Lingga Hara Kecamatan Bilah Hulu Kabupaten Labuhanbatu

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Mangrove cover change (2005-2019) in the Northern of Medan City, North Sumatra, Indonesia

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Persiapan Olah Tanah di Lahan Praktek Universitas Labuhanbatu pada Jenis Cacing Tanah di Beberapa Vegetasi Tanaman

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PEMANFAATAN LIMBAH BAWANG MERAH YANG DIAPLIKASIKAN PADA TANAMAN SAWI (Brassica Juncea L.) SEBAGAI PUPUK ORGANIK CAIR (POC) DIDESA TEBING TINGGI PANGKATAN

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Yield Evaluation of Upland Rice Varieties (Oryza sativa L.) in Several Levels of Soil Water Content

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Kajian Risiko Multi Ancaman Bencana Alam di Kecamatan Tanah Pinem Kabupaten Dairi

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Conservation of Medicinal Plants in North Sumatra for Sustainable Use

HAFIZAH ARINAH , RAHMAWATY , ABDUL RAUF

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INVENTARISASI LAHAN KAWASAN HUTAN DENGAN TUJUAN KHUSUS (KHDTK) IT-DEL

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PERAN GURU BESAR USU DALAM PEMECAHAN PERMASALAHAN BANGSA MELALUI PERSPEKTIF SUSTAINABLE DEVELOPMENT GOALS (SDGs)

MUHAMMAD FIDEL GANIS SIREGAR , DARMA BAKTI , BADARUDDIN , SARMA N LUMBANRAJA , ELMEIDA EFFENDY , ABDUL RAUF , DINA KEUMALA SARI , BLONDINA MARPAUNG , BIDASARI LUBIS , RODIAH RAHMAWATY LUBIS

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Rice production in North Aceh Regency based on N, P, K and C-organic studies

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Analysis of land-use change over five- and ten- year periods in Hamparan Perak, North Sumatra, Indonesia

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Preliminary study on C-organic and C-microbial biomass of peatland in Toba highlands

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ABDUL RAUF , RAZALI , T SABRINA , BINTANG

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Comparison of the yield of different rice varieties treated with L-ascorbic acid on site-specific saline soil

CHAIRANI HANUM L , ABDUL RAUF , ROSMAYATI

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Comparison of the Yield of Different Rice Varieties Treated with L-Ascorbic Acid on Site-Specific Saline Soil

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Land cover change impact analysis: an integration of remote sensing, GIS and DPSIR framework to deal with degraded land in Lengan Watershed, North Sumatra, Indonesia

RAHMAWATY , MOEHAR MARAGHIY HARAHAHAP , ABDUL RAUF

2022
Buku referensi

BUKU MASTER PLAN PROGRAM KONSERVASI DAERAH TANGKAPAN AIR (DTA) DANAU TOBA DAN DAERAH ALIRAN SUNGAI (DAS) ASAHAN

ABDUL RAUF , RAHMAWATY

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Gap Analysis in Deli Watershed Management Measured by Stakeholders' Social Factors Deli North Sumatera

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Identification of Land Cover Types and Their Changes in Kutalimbaru Sub-district, Deli-Serdang District, North Sumatera, Indonesia

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Analytical hierarchy process (AHP) application in the selection of plant types on the community's agroforestry land

ABDUL RAUF , RAHMAWATY , RIDWANTI BATUBARA

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Effectiveness of Organic Materials as Media in Sulfate Reducing Bacteria Inoculum to Changes on Acid Sulfate Soils

ABDUL RAUF , ASMARLAILI SAHAR

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Land cover changes monitoring over ten years in upstream watershed of Deli Serdang Regency North Sumatera Province

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Changes in dryland forest cover in several sub-districts in Deli Serdang Regency

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Improvement in Sandy Soil Chemistry Using Biogas Sludge Based on Organic Waste

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Rice production in North Aceh Regency based on N, P, K and C-organic studies

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Land suitability assesment for Coffea arabica on the land overgrewed by Uncaria gambir

ABDUL RAUF , RIDWANTI BATUBARA , RAHMAWATY

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Comparison of land cover classification in Pakpak Bharat Regency using Landsat 8 OLI and Sentinel 1A satellite imagery

SAMSURI , BEJO SLAMET , ABDUL RAUF

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Hubungan Curah Hujan dengan Pola Ketersediaan Air Tanah terhadap Produksi Kelapa Sawit (*Elaeis guineensis* Jacq) di Dataran Tinggi

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The limiting factor of land suitability for development of gambir cultivation (case-study in Sari Laba Jahe Village Deli Serdang North-Sumatra)

ABDUL RAUF , RIDWANTI BATUBARA , RAHMAWATY

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Buku referensi

KAJIAN IMPLEMENTASI HASIL STUDI LAHAN KRITIS DAS ASAHAN HULU

RAHMAWATY , ABDUL RAUF

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Jurnal nasional terakreditasi

Kondisi dan Pengelolaan Kawasan Hulu DAS Belawan Hubungannya dengan Tingkat Bahaya Erosi pada Lahan Budidaya di Kabupaten Deli Serdang

MISWAR BUDI MULYA , ABDUL RAUF

2021

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The application of Hydrogel (Super Absorbent Polymer) and chicken manure fertilizer to increase pH, N-total, C-organic and soil water content in Entisol

ABDUL RAUF , SARIFUDDIN

2021

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Assessment of land cover change over a period of five years in Deli Serdang, North Sumatra

RAHMAWATY , MOEHAR MARAGHIY HARAHAP , ABDUL RAUF

Researches

2025

Ipteks

Penelitian

ABDUL RAUF

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STRATEGI PENGEMBANGAN HASIL HUTAN DAN WISATA ALAM BERBASIS PARTISIPATIF, KONSERVATIF DAN KEARIFAN LOKAL DI KPH WILAYAH 4 BALIGE

ROBERT SIBARANI , RAHMAWATY , RITHA F DALIMUNTHE , MA RIFATIN ZAHRAH , ABDUL RAUF , R. HAMDANI HARAHAP , ODING AFFANDI

2022

PEMETAAN TIPE PENGGUNAAN LAHAN UNTUK ANALISIS KESESUAIAN LAHAN DAN PROFITABILITAS PADA BERBAGAI SKEMA PERHUTANAN SOSIAL DI KABUPATEN TOBA

RAHMAWATY , ABDUL RAUF

2022

Penelitian Dan Konsultansi Penyusunan Master Plan Program Konservasi

Daerah Tangkapan Air (DTA) Danau Toba Dan Daerah Aliran Sungai (DAS) Asahan Tahun 2022

SAMSURI , RAHMAWATY , BEJO SLAMET , ABDUL RAUF

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Penelitian Disertasi Doktor

Model Pengelolaan Tumbuhan Biopestisida di TNBG Mandailing Natal Sumatera Utara

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Penyusunan Rencana Pengelolaan DAS Batang Gadis

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Community Services

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Diseminasi dan FGD Hasil Pengabdian Masyarakat Desa Habeahan: Penguatan Kapasitas dan Keberlanjutan Lingkungan Menuju Desa Mandiri dan Produktif

RAHMAWATY , NUR ULINA WARNISYAH SEBAYANG , BEJO SLAMET , YUSAK MARYUNIANTA , ABDUL RAUF

2026

Ipteks

Pengabdian Masyarakat Kolaboratif dalam Penyaluran Bantuan Pascabencana Banjir di Kelurahan Tangkahan Durian dan Desa Sekoci, Kabupaten Langkat (Sinergi Sekolah Pascasarjana USU dan PEPSILI)

RIDAHATI RAMBEY , RAHMAWATY , NUR ULINA WARNISYAH SEBAYANG , BEJO SLAMET , ABDUL RAUF

2025

Ipteks Bagi Masyarakat

Penguatan Ketahanan Air dan Mitigasi Banjir melalui Pembangunan Embung Berbasis Pemberdayaan Masyarakat di Desa Habeahan, Kecamatan Lintong Nihuta, Kabupaten Humbang Hasundutan.

RAHMAWATY , ABDUL RAUF

2026

Ipteks

PENGUATAN KETAHANAN MASYARAKAT DESA HARAPAN MAKMUR PASCA BANJIR MELALUI AKSI KEMANUSIAAN DAN EDUKASI LINGKUNGAN BERSAMA HIMPUNAN ILMU TANAH INDONESIA (HITI)

RIDAHATI RAMBEY , RAHMAWATY , NUR ULINA WARNISYAH SEBAYANG , BEJO SLAMET , ABDUL RAUF

2026

Kerjasama Luar Negeri dan Publikasi Internasional

Penguatan Ketahanan Air dan Mitigasi Banjir melalui Pembangunan Embung Berbasis Pemberdayaan Masyarakat di Desa Habeahan, Kecamatan Lintong Nihuta, Kabupaten Humbang Hasundutan

RAHMAWATY , NUR ULINA WARNISYAH SEBAYANG , BEJO SLAMET , YUSAK MARYUNIANTA , ABDUL RAUF , ALGHI FARI , MUHAMMAD SYAH DEWA , Mohd Hasmadi Ismail

2025

Ipteks Bagi Masyarakat

Ketua Dewan Pakar Masyarakat Agroforestri Inonesia (MAFI)

NURHENI WIJAYANTO , ABDUL RAUF , BUDIADI

2025

DESA TANGGUH BENCANA : PENDEKATAN TERPADU MITIGASI DAN ADAPTASI BENCANA TERHADAP ASPEK LINGKUNGAN DAN EKONOMI DI

DESA HABEAHAN

HELOVA LEONARD PANJAITAN , RAHMAWATY , NUR ULINA WARNISYAH SEBAYANG , BEJO SLAMET , YUSAK MARYUNIANITA , ABDUL RAUF , RULIANDA PURNOMO WIBOWO , T IRMANSYAH

2025

Ipteks Bagi Masyarakat

TIM PELAKSANA PENYUSUNAN DOKUMEN STUDI KELAYAKAN INVESTASI DI KAWASAN PERTANIAN TERPADU KABUPATEN SAMOSIR (KPT) DESA HARIARA PINTU KECAMATAN HARIAN TAHUN 2024

YUSAK MARYUNIANITA , ABDUL RAUF , HELENA TATCHER PAKPAHAN , ZULFENDRI , T IRMANSYAH

2024

Ipteks

PENDAMPING TEKNIS DAN PENGAWASAN PEKERJAAN PEMELIHARAAN TANAMAN TAHUN PERTAMA (P1) SELUAS 250 HEKTAR DI KABUPATEN TOBA TAHUN 2024

SAMSURI , RAHMAWATY , BEJO SLAMET , ABDUL RAUF , DR IR RAHMANTA GINTING MSI

2024

Koordinasi Program Pengabdian kepada Masyarakat Tematik T.A.2024 dengan Tema “Mitigasi dan Adaptasi Bencana Hidrometeorologi di DTA Danau Toba (Percontohan Kabupaten Humbang Hasundutan)” di Kantor Dinas Lingkungan Hidup, Kabupaten Humbang Hasundutan, pada tanggal 16-17 Januari 2024.

ABDUL RAUF , ODING AFFANDI , MEUTIA NAULY , T IRMANSYAH

2024

Ipteks Bagi Masyarakat

MITIGASI DAN ADAPTASI BENCANA HIDROMETEOROLOGI (ASPEK LINGKUNGAN, SOSIAL DAN EKONOMI) DI DESA HABEAHAN KECAMATAN LINTONG NIHUTA KABUPATEN HUMBANG HASUNDUTAN SUMATERA UTARA

ABDUL RAUF , FIKARWIN , T IRMANSYAH

2024

Ipteks Bagi Masyarakat

Mitigasi dan Adaptasi Bencana Hidrometeorologi (Aspek Lingkungan, Sosial dan Ekonomi) di Desa Habeahan Kecamatan Lintong Nihuta Kabupaten Humbang Hasundutan Sumatera Utara

HELOVA LEONARD PANJAITAN , YUSAK MARYUNIANITA , ABDUL RAUF , RULIANDA PURNOMO WIBOWO

2024

KKN Pembelajaran Pemberdayaan Masyarakat

Mitigasi dan Adaptasi Bencana Hidrometeorologi (Aspek Lingkungan, Sosial, dan Ekonomi) di Desa Habeahan Kecamatan Lintong Nihuta Kabupaten Humbang Hasundutan Sumatera Utara

NUR ULINA WARNISYAH SEBAYANG , ABDUL RAUF

2024

Ipteks Bagi Masyarakat

Carbon Trading And Climate-Conscious Villages (USU And UTM Collaboration)

MOHAMMAD EKAPUTRA , MAHMUL SIREGAR , VITA CITA EMIA TARIGAN , ABDUL RAUF

2024

Ipteks Bagi Masyarakat

MITIGASI DAN ADAPTASI BENCANA HIDROMETEOROLOGI (ASPEK LINGKUNGAN, SOSIAL DAN EKONOMI) DI DESA HABEAHAN KECAMATAN LINTONG NIHUTA KABUPATEN HUMBANG HASUNDUTAN SUMATERA UTARA

YUSAK MARYUNIANITA , ABDUL RAUF , FIKARWIN , T IRMANSYAH , ALYA PUTRI NATANDINI , DASSIO JONATHAN SINAGA , DESTI ASTRIA PUTRI , ALDIAN SAPUTRA NASUTION , NOVRINA ANGELITA PANJAITAN , NAOMI ITTEN AMBARITA , MUHAMMAD SYAHID ZIDAN , MUHAMMAD FURQAN ALFIANSYAH , RENALDI PRAWIRA SIBURIAN

2024

Ipteks Bagi Masyarakat

Kegiatan Mitigasi Dan Adaptasi Bencana Hidrometeorologi (Aspek Lingkungan, Sosial Dan Ekonomi) di Desa Habeahan Kecamatan Lintong Nihuta Kabupaten Humbang Hasundutan Sumatera Utara, pada tanggal : 15 Mei sampai dengan 30 November 2024.

ABDUL RAUF , T IRMANSYAH

2023

Ipteks Bagi Masyarakat

Gerakan Bersih Sungai dan Penanaman Pohon Produktif di Bantaran Sungai Deli Areal Istana Maimun Medan dalam Rangka Memperingati Hari Lingkungan Hidup Sedunia

KEMALA SARI LUBIS , ABDUL RAUF

2023

Ipteks Bagi Masyarakat

Penguatan Ketahanan Ekonomi Keluarga Di Desa Denai Sarang Burung Kecamatan Pantai Labu Kabupaten Deli Serdang

ACHMAD SADELI , EVA SYAHFITRI NASUTION , ARLINA NURBAITY LUBIS , PRIHATIN LUMBANRAJA , RITHA F DALIMUNTHE , HAIRANI SIREGAR , ABDUL RAUF , NEVY DIANA HANAFTI , RODIATUL HASANAH SIREGAR , BEBY KENDIDA HASIBUAN

2022

DAUR ULANG SAMPAH PLASTIK DAN PEMANFAATAN SAMPAH RUMAH TANGGA SEBAGAI MEDIA TANAM DAN PUPUK BAGI TUMBUHAN OBAT UNTUK MENAMBAH NILAI JUAL DAN PENDAPATAN MASYARAKAT

RAHMAWATY , ABDUL RAUF , T SABRINA

2017

Ipteks Bagi Masyarakat

Temu Kinerja Implementasi Program Kelompok Swadaya Masyarakat (KSM) Mitra Kerja Forum DAS Lingkup Wilayah BPDAS-HL Wampu Sei Ular Prov Sumut

BENNY HIDAYAT , ABDUL RAUF

2017

Pengelolaan Lahan Pasang Surut Dengan Sistem Pertanian Terpadu dan Berkelanjutan di Desa Paluh Manan Kecamatan Hamparan Perak Kabupaten Deli serdang

RAHMAWATY , MARHENI , ABDUL RAUF , SINAR INDRA KESUMA

2017

Ipteks Bagi Masyarakat

BUDIDAYA TANAMAN GAHARU DI LAHAN PERKEBUNAN DENGAN APLIKASI TEKNIK SILVIKULTUR

BENNY HIDAYAT , ABDUL RAUF

2017

Optimalisasi Pemanfaatan Lahan Dengan Sistem Pertanian Terpadu dan Berkelanjutan di Desa Telaga Sari Kecamatan Sunggal Kabupaten Deli Serdang.

SARIFUDDIN , RAHMAWATY , MARHENI , ABDUL RAUF

2013

Penelitian Unggulan Perguruan Tinggi

Rekayasa Model Agroekosistem Perkebunan Melalui Pendekatan Keterpaduan Wilayah

2012

MP3EI

Model peningkatan produktivitas kelapa sawit berkelanjutan melalui sistem Agrosi

2012

IbM Kelompok Tani Sahata di Desa Onan Runggu Kec Onan Runggu Kab Samosir Menghadapi Gulma Air Enceng Gondok di Danau Toba

ABDUL RAUF , POSMA MANGASI PINTARIA MARBUN , BINTANG

2024

Ipteks Bagi Masyarakat

Undangan sebagai Nara Sumber Pada

RAHMAWATY , ABDUL RAUF , T IRMANSYAH

Intellectual Property Rights

2026

Hak cipta nasional

The International Community Development Program held in Habeahan Village

RAHMAWATY , ABDUL RAUF , BEJO SLAMET , YUSAK MARYUNIANTA , NUR ULINA WARNISYAH SEBAYANG

2026

Hak cipta nasional

Kick-Off Pembangunan Embung dalam Rangka PenguatanKetahanan Air dan Mitigasi Banjir Desa Habeahan

NUR ULINA WARNISYAH SEBAYANG , ABDUL RAUF , RAHMAWATY , BEJO SLAMET , YUSAK MARYUNIANTA

2025

Paten nasional

Model Konservasi Amorphophallus gigas Teijsm. & Binn. di Sumatera Utara

ABDUL RAUF , ESTHER SORTA MAULI NABABAN , RIDAHATI RAMBEY , RAHMAWATY

2025

Hak cipta nasional

Membangun Desa Tangguh Bencana: Aksi Nyata USU & WargaMewujudkan Kemandirian dan Ketangguhan Desa Habeahan

NUR ULINA WARNISYAH SEBAYANG , ABDUL RAUF , RAHMAWATY , YUSAK MARYUNIANTA , BEJO SLAMET , T IRMANSYAH

2023

Paten nasional

METODE UNTUK MENENTUKAN KRITERIA KARAKTERISTIK SYARAT TUMBUH UNTUK LAHAN TANAMAN GAMBIR

RAHMAWATY , ABDUL RAUF , RIDWANTI BATUBARA

2023

Hak cipta nasional

Musik Mars Sungai Deli

ABDUL RAUF

2023

Hak cipta nasional

Karya Rekaman Video Mars Sungai Deli

ABDUL RAUF

2022

Hak cipta nasional

Menelusuri DAS Singkil Dari Hulu Ke Hilir

ABDUL RAUF , RAHMAWATY

2022

Hak cipta nasional

Ekspedisi DAS Wampu Provinsi Sumatera Utara

RAHMAWATY , ABDUL RAUF

2022

Paten nasional

METODE BIOPORI DENGAN MULSA VERTIKAL UNTUK PENGELOLAAN AIR DAN HARA PADA PERKEBUNAN KELAPA SAWIT PRODUKTIF

CHAIRANI HANUM L , ABDUL RAUF

2022

Hak cipta nasional

Budidaya Kelapa Sawit Berkelanjutan

ABDUL RAUF

2021

Paten nasional

METODE PENGGUNAAN KADAR AIR TANAH 110 % KAPASITAS LAPANG UNTUK Mendukung Pertumbuhan Tanaman Hortikultura pada Lahan Sulfat Masam

ASMARLAILI SAHAR , DIANA SOFIA HANAFIAH , MUHDI , ABDUL RAUF , SARIFUDDIN

2021

Paten nasional

INOKULAN BAKTERI PEREDUKSI SULFAT (BPS) UNTUK MENINGKATKAN PERTUMBUHAN TANAMAN JAGUNG PADA TANAH SULFAT MASAM

ASMARLAILI SAHAR , SARIFUDDIN , MUHDI , DIANA SOFIA HANAFIAH , ABDUL RAUF

2021

Hak cipta nasional

Budidaya Padi di Tanah Salin

ABDUL RAUF

2020

Paten nasional

Proses Pembuatan Rorak dan Mulsa Vertikal pada Kebun Kelapa Sawit menghasilkan

ABDUL RAUF , CHAIRANI HANUM L

2020

Paten nasional

Komposisi Media Tanam untuk Pembibitan Kelapa Sawit Berbasis Limbah Industri Kelapa Sawit

JONATAN GINTING , CHAIRANI HANUM L , ABDUL RAUF
