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Ahmad Baiquni Rangkuti, S.Hut., M.Si. was born in Padang Sidempuan on May 24, 1991. This individual of Mandailing Batak descent completed his primary education in his hometown and pursued his undergraduate education at the Faculty of Forestry, Bogor Agricultural University. In 2014, he graduated with a Bachelor of Forestry (S.Hut) and continued his Master's education at the same campus, completing it in 2016. In 2019, he was accepted as a Lecturer at the USU Faculty of Forestry through the 2019 Civil Service Candidate (CPNS) selection and joined the USU Faculty of Forestry Department of Forest Cultivation.

Since embarking on a career as a lecturer, he has actively engaged in various research and community service activities, with outcomes published in reputable journals and proceedings. To date, Ahmad Baiquni Rangkuti remains actively involved in various activities related to the Tri Dharma of Higher Education, including Education, Research, and Community Service in various regions in North Sumatra.

Publications

2025

Prosiding seminar internasional

Phosphate solubilizing fungal genera isolated from the rhizosphere of university urban forest area

DENI ELFIATI , ARIDA SUSILOWATI , AHMAD BAIQUNI RANGKUTI , FIFI GUS DWIYANTI , SITI HALIMAH LAREKENG , MELYA RINIARTI

2025

Prosiding seminar internasional

Characterization of simple sequence repeats (SSR) in the chloroplast genome *Avicennia marina*

AHMAD BAIQUNI RANGKUTI , DR. FITRI INDRIANI, S.HUT , LASWI IRMAYANTI

2025

Prosiding seminar internasional

Exploring the chloroplast genome of *Avicennia marina*: Implication for salinity tolerance and mangrove conservation

AHMAD BAIQUNI RANGKUTI , DR. FITRI INDRIANI, S.HUT , LASWI IRMAYANTI

2024

Prosiding seminar internasional

Analysis of mangrove vegetation on Mursala Island

MOHAMMAD BASYUNI , IPANNA ENGGAR SUSETYA , DENI ELFIATI , AHMAD BAIQUNI RANGKUTI

2024

Jurnal nasional

Pembibitan dan Restorasi Mangrove di Desa Lubuk Kertang Kecamatan Brandan Barat, Kabupaten Langkat, Sumatera Utara. Talenta Conference Series: Local Wisdom, Social, and ArtsÂ ...

AHMAD BAIQUNI RANGKUTI , YUNASFI

2024

Prosiding seminar internasional

Identified benefits of community trees in Martelu Purba Nature Reserve

2023

Jurnal nasional terakreditasi

PENGARUH PEMBERIAN KOLKISIN DENGAN DROP METHOD TERHADAP PERTUMBUHAN BIBIT JABON (*Anthocephalus cadamba*)

DESCARLO WORABAI , EVELIN ANGELINA TANUR , REYNA ASHARI , LASWI IRMAYANTI , ARNIANA ANWAR , AHMAD BAIQUNI RANGKUTI

2023

Jurnal nasional terakreditasi

Estimation of Aboveground Carbon Stock in The Pertamina Hulu Rokan (PHR) Forest in Pinggir District, Bengkalis Regency, Riau Province

PEBRIANDI , SONIA SOMADONA , AHMAD BAIQUNI RANGKUTI , EVI SRIBUDIANI , DEFRI YOZA , VINY VOLCHERINA DARLIS

2023

Jurnal nasional terakreditasi

Pematahan Dormansi Benih Sengon (*Falcataria moluccana*) Dengan Skarifikasi Mekanik

LASWI IRMAYANTI , REYNA ASHARI , ARNIANA ANWAR , AHMAD BAIQUNI RANGKUTI

2023

Jurnal nasional terakreditasi

Mangrove Nurseries as an Effort for Rehabilitation and Optimizing the Functions of Coastal Ecosystem Areas in Bandar Khalifah District, Serdang Bedagai Regency, North Sumatera Province

ZULHAM APANDY HARAHAHAP , VINDY RILANI MANURUNG , AHMAD BAIQUNI RANGKUTI

2022

Prosiding seminar internasional

Phylogenetic reconstruction of tree species on the University of North Sumatra Campus, based on the rbcL gene

AHMAD BAIQUNI RANGKUTI

2022

Prosiding seminar internasional

Phylogenetic analysis of Shorea Genus in University of North Sumatra Campus, Indonesia, based on matK genes

AHMAD BAIQUNI RANGKUTI

2022

Prosiding seminar nasional

Upaya Membangun Harmoni Penghidupan Manusia dan Konservasi Harimau Sumatera Melalui Program Desa Binaan USU di Timbang Lawan, Kabupaten Langkat

AHMAD BAIQUNI RANGKUTI , PINDI PATANA

2022

Jurnal nasional terakreditasi

The Diversity Species of Medicinal Plants in T he Martelu Purba Nature Reserve, North Sumatra

RIDAHATI RAMBEY , ARIDA SUSILOWATI , AHMAD BAIQUNI RANGKUTI , ONRIZAL

2022

Jurnal nasional terakreditasi

The Diversity Species of Medicinal Plants in The Martelu Purba Nature Reserve, North Sumatra

AHMAD BAIQUNI RANGKUTI , RIDAHATI RAMBEY

2022

Prosiding seminar nasional

Integrasi Agroforestri dan Sistem Budidaya Lebah Madu (*Trigona* Sp.) dalam Penguatan Food Estate di Humbang Hasundutan.

AHMAD BAIQUNI RANGKUTI , LUTHFI HAKIM , TITO SUCIPTO , APRI HERI ISWANTO , RUDI HARTONO

2022

Jurnal nasional

Integrasi Agroforestri dan Sistem Budidaya Lebah Madu (Trigona Sp.) dalam Penguatan Food Estate di Humbang Hasundutan

HAFIZAH ARINAH , JAJANG SUTIAWAN , ARIDA SUSILOWATI , ORANG KAYA HASNANDA SYAHPUTRA , RUDI HARTONO , MOEHAR MARAGHIY HARAHAP , LUTHFI HAKIM , DENI ELFIATI , AHMAD BAIQUNI RANGKUTI , APRI HERI ISWANTO , MARIAH ULFA , AGUS PURWOKO , ANITA ZAITUNAH , RIDAHATI RAMBEY , SAMSURI , SURI FADHILLA , HARISYAH MANURUNG , TITO SUCIPTO

2022

Jurnal internasional bereputasi

Foliar stomata characteristics of tree species in a university green open space

ARIDA SUSILOWATI , APRI HERI ISWANTO , MOEHAR MARAGHIY HARAHAP , AHMAD BAIQUNI RANGKUTI

2022

Buku referensi

Model Arsitektur Pohon di Universitas Sumatera Utara

DENI ELFIATI , ARIDA SUSILOWATI , AHMAD BAIQUNI RANGKUTI , MOEHAR MARAGHIY HARAHAP , APRI HERI ISWANTO

2022

Prosiding seminar internasional

Plant diversity components of agroforestry in Tanjung Botung, Village, Barumun District, Padang Lawas Regency, North Sumatra

AHMAD BAIQUNI RANGKUTI , RIDAHATI RAMBEY , ARIDA SUSILOWATI , ONRIZAL

2022

Prosiding seminar internasional

Flora composition and diversity in Mount Sibela Educational Forest, South Halmahera, North Maluku

AHMAD BAIQUNI RANGKUTI

2022

Prosiding seminar internasional

Diversity and distribution of fig (Ficus spp) in University of Sumatera Utara (USU) green space

SAMSURI , ANITA ZAITUNAH , ARIDA SUSILOWATI , AHMAD BAIQUNI RANGKUTI , APRI HERI ISWANTO , MOEHAR MARAGHIY HARAHAP

2022

Prosiding seminar internasional

Ethnobotany of spice plants in Tanjung Botung Village, Barumun District, Padang Lawas Regency, North Sumatra, Indonesia

ARIDA SUSILOWATI , AHMAD BAIQUNI RANGKUTI , ONRIZAL , RIDAHATI RAMBEY

2021

Prosiding seminar internasional

Ethnobotany of spice plants in Tanjung Botung Village, Barumun District, Padang Lawas Regency, North Sumatra, Indonesia

ONRIZAL , RIDAHATI RAMBEY , ARIDA SUSILOWATI , AHMAD BAIQUNI RANGKUTI

2021

Prosiding seminar internasional

Diversity of undergrowth understorey in Sibolangit Nature Park, Deli Serdang Regency, North Sumatra, Indonesia

AHMAD BAIQUNI RANGKUTI , RIDAHATI RAMBEY

2021

Prosiding seminar internasional

Community perception and utilization of raru in Bonalumban Village

AHMAD BAIQUNI RANGKUTI

2021

Prosiding seminar internasional

Vegetation density analysis using normalized difference vegetation index in East Jakarta, Indonesia

AHMAD BAIQUNI RANGKUTI , ANITA ZAITUNAH

2021

Prosiding seminar internasional

Mapping of mangrove forest tree density using SENTINEL 2A satelit image in remained natural mangrove forest of Sumatra eastern coastal

AHMAD BAIQUNI RANGKUTI , SAMSURI

2021

Prosiding seminar internasional

Conservation and sustainable utilization of tropical trees from North Sumatra, Indonesia

AHMAD BAIQUNI RANGKUTI , ARIDA SUSILOWATI

2021

Prosiding seminar internasional

Community perception and utilization of raru in Bonalumban Village

AHMAD BAIQUNI RANGKUTI , RIDAHATI RAMBEY

2021

Jurnal internasional

The properties of particleboards made from non-wood lignocellulose materials bonded with melamine formaldehyde resin

AHMAD BAIQUNI RANGKUTI , APRI HERI ISWANTO

2021

Prosiding seminar internasional

Green open space analysis in West Binjai, North Sumatra

AHMAD BAIQUNI RANGKUTI , ANITA ZAITUNAH

2021

Prosiding seminar internasional

Tree biodiversity in USU green space: Exotic plant and its risk to native species

AHMAD BAIQUNI RANGKUTI , ARIDA SUSILOWATI

2021

Buku referensi

Model Arsitektur Pohon di Universitas Sumatera Utara

ARIDA SUSILOWATI , MOEHAR MARAGHIY HARAHAHAP , APRI HERI ISWANTO , AHMAD BAIQUNI RANGKUTI , DENI ELFIATI

2021

Prosiding seminar internasional

Conservation and sustainable utilization of tropical trees from North Sumatra, Indonesia

SAMSURI , ARIDA SUSILOWATI , DENI ELFIATI , ANITA ZAITUNAH , APRI HERI ISWANTO , AHMAD BAIQUNI RANGKUTI , RIDAHATI RAMBEY , TITO SUCIPTO , LUTHFI HAKIM , MOEHAR MARAGHIY HARAHAHAP , MARIAH ULFA , HARISYAH MANURUNG , HAFIZAH ARINAH

2021

Prosiding seminar internasional

Vegetation density analysis using normalized difference vegetation index in East Jakarta, Indonesia

SAMSURI , ANITA ZAITUNAH , ARIDA SUSILOWATI , DENI ELFIATI , HAFIZAH ARINAH , AHMAD BAIQUNI RANGKUTI , RIDAHATI RAMBEY , MOEHAR MARAGHIY HARAHAHAP , MARIAH ULFA , APRI HERI ISWANTO , TITO SUCIPTO , LUTHFI HAKIM

2021

Prosiding seminar internasional

The properties of particleboards made from non- wood lignocellulose materials bonded with melamine formaldehyde resin

RUDI HARTONO , TITO SUCIPTO , AHMAD BAIQUNI RANGKUTI , MOEHAR MARAGHIY HARAHAHAP , ORANG KAYA HASNANDA SYAHPUTRA , HAFIZAH ARINAH , APRI HERI ISWANTO , SAMSURI , LUTHFI HAKIM , RIDAHATI RAMBEY , ARIDA SUSILOWATI , MARIAH ULFA , ANITA ZAITUNAH , IRAWATI AZHAR , HARISYAH MANURUNG , DENI ELFIATI

2021

Prosiding seminar internasional

Community perception and utilization of raru in Bonalumban Village

ANITA ZAITUNAH , APRI HERI ISWANTO , RIDAHATI RAMBEY , SAMSURI , AHMAD BAIQUNI RANGKUTI , ARIDA SUSILOWATI , DENI ELFIATI , TITO SUCIPTO , LUTHFI HAKIM , HARISYAH MANURUNG , MOEHAR MARAGHIY HARAHAHAP , MARIAH ULFA , HAFIZAH ARINAH

2021
Jurnal internasional bereputasi

Plant diversity, structure and composition of vegetation around barumun watershed, north sumatra, indonesia

AHMAD BAIQUNI RANGKUTI , RIDAHATI RAMBEY

2021
Prosiding seminar internasional

The health status of saga tree (*Adenanthera pavonina*) in campus area of Universitas Sumatera Utara (USU)

AHMAD BAIQUNI RANGKUTI , ARIDA SUSILOWATI

2021
Jurnal internasional

DNA isolation and amplification of *Dryobalanops oblongifolia* DREY and *Dryobalanops lanceolata* BURCK

AHMAD BAIQUNI RANGKUTI

2021
Prosiding seminar internasional

Phenology of the bunga bangkai (*Amorphophallus gigas*) in North Padang Lawas, North Sumatra Province, Indonesia

AHMAD BAIQUNI RANGKUTI , RIDAHATI RAMBEY

2021
Prosiding seminar nasional

Pembibitan dan Restorasi Mangrove di Desa Lubuk Kertang Kecamatan Brandan Barat, Kabupaten Langkat, Sumatera Utara

MOHAMMAD BASYUNI , AHMAD BAIQUNI RANGKUTI , MOEHAR MARAGHIY HARAHAHAP , YUNASFI

2021
Prosiding seminar internasional

DNA isolation and amplification of raru leaf (*Cotylelobium melanoxyylon* Pierre and *Cotylelobium lanceolatum* Craib)

AHMAD BAIQUNI RANGKUTI , ARIDA SUSILOWATI

2021
Prosiding seminar internasional

Population structure of woody plant in malaka (*Phyllanthus emblicata*) habitat, Padang bolak, North Sumatra

AHMAD BAIQUNI RANGKUTI , ARIDA SUSILOWATI

2021
Jurnal internasional bereputasi

Maintaining tree biodiversity in urban communities on the university campus

AHMAD BAIQUNI RANGKUTI , ARIDA SUSILOWATI

2020
Jurnal internasional

Development of peatland-friendly commodities to achieve sustainable forest management in Jambi Province

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2020
Prosiding seminar internasional

Development of peatland-friendly commodities to achieve sustainable forest management in Jambi Province

RINCE MURYUNIKA , LETI SUNDAWATI , ADISTI PERMATASARI PUTRI HARTOYO , ACHMAD FADILLAH , AHMAD BAIQUNI RANGKUTI , PRIJANTO PAMOENGAS , ISKANDAR ZULKARNAEN SIREGAR

2020
Prosiding seminar internasional

Morphological identification of local raru producing trees from Sibuluan Nauli, Central Tapanuli, North Sumatera

AHMAD BAIQUNI RANGKUTI , ARIDA SUSILOWATI

2020
Prosiding seminar internasional

Development of agroforestry oil palm for peatland restoration in Jambi Province: Establishing process and initial results

AHMAD BAIQUNI RANGKUTI , LETI SUNDAWATI

2019
Jurnal internasional

Isolation and genomics DNA amplification of Kapur (Dryobalanops sumatrensis) from North Sumatra

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2026
Prosiding seminar nasional

Mangrove Nurseries as an Effort for Rehabilitation and Optimizing the Functions of Coastal Ecosystem Areas in Bandar Khalifah District, Serdang Bedagai Regency, North Sumatra

AHMAD BAIQUNI RANGKUTI

2026
Prosiding seminar nasional

Integrasi Agroforestri dan Sistem Budidaya Lebah Madu (Trigona Sp.) dalam Penguatan Food Estate Di Humbang Hasundutan (Integrated Apiculture Agroforestry System on the

AHMAD BAIQUNI RANGKUTI

2026
Hasil penelitian/pemikiran yang tidak dipublikasikan

Aplikasi DNA barcode untuk identifikasi jenis meranti dan rotan

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Researches

2024
Penelitian Fundamental

Keragaman Genetik Rhizophora sp. dengan Penanda Inter Simple Sequence Repeats (ISSR) di Hutan Mangrove Percut Sei Tuan, Sumatera Utara, Indonesia

AHMAD BAIQUNI RANGKUTI , LASWI IRMAYANTI

2023
Penelitian Dana Lokal Perguruan Tinggi

Silvikultur dan lingkungan kehutanan

AHMAD BAIQUNI RANGKUTI , DENI ELFIATI , ARIDA SUSILOWATI

2020

Kajian Struktur Populasi Bunga Bangkai (Amorphopallus titanum) di Padang Lawas Utara, Provinsi Sumatera Utara

AHMAD BAIQUNI RANGKUTI , RIDAHATI RAMBEY

2020
Penelitian Unggulan Perguruan Tinggi

ID Card Pohon Berbasis Teknologi QR Code Menggunakan Data Base DNA

AHMAD BAIQUNI RANGKUTI , ARIDA SUSILOWATI , MOEHAR MARAGHIY HARAHAP