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Prof. Dr. Ir. Agus Purwoko, S.Hut., M.Si. was born in Kejobong, Central Java, Indonesia, on August 1, 1974. He has been a researcher and lecturer in the Undergraduate and Master's Program in Forestry since 1999, the Master's and Doctoral Program in Regional and Rural Development Planning since 2006, and the Doctoral Program in Natural Resources and Environmental Management since 2018 at the Universitas Sumatera Utara Indonesia with the title of Professor.

He obtained his Bachelor of Forestry degree in 1997 at IPB University, Indonesia. The passion for education led Agus Purwoko to continue his Master's Degree in Regional and Rural Planning in 2005 and Doctoral Degree in Regional Planning in 2011 at the Universitas Sumatera Utara, Medan, Indonesia. Currently, Prof. Agus serves as Vice Dean III for Research, Community Service, and Partnership at the Faculty of Forestry, Universitas Sumatera Utara. He teaches several courses, such as Economic Valuation of Natural Resources and Environmental Damage Assessment (doctoral degree), Methods and Science of Regional Planning (doctoral degree), Advanced Regional Planning (doctoral degree), Location Theory and Regional Development (doctoral degree), Regional Planning (master's degree), Forest Resource Management Policy (master's degree), Spatial Planning (master's degree), Forestry Policy and Legislation (bachelor's degree), Forest Resource Economics (bachelor's degree), Forest Resource Economic Valuation (bachelor's degree), Social Research Methodology (bachelor's degree), Entrepreneurship (bachelor's degree) and Forestry Business (bachelor's degree).

Until now, he has been actively teaching and guiding student research (undergraduate thesis, thesis, and dissertation).

He also actively researches topics related to his expertise, such as forest management, natural resource and environmental economics, nature tourism management, and regional and rural development planning. Various publications written with his team can be accessed openly on Google Scholar and Scopus accounts. More than 280 articles have been recorded on Google Scholar, with 49 Scopus-indexed articles published.

He primarily researches topics related to management-based regional development and potential development of forest resources (especially non-timber and services). Various forms of utilization and management of forest resources by communities, companies, and local governments are the focus of his research to identify potential and recommend ways, approaches, and policies for their development. In addition, he also collaborates with many experts from various backgrounds and institutions in carrying out various research and services. Not only that, he also continues to learn from senior experts to develop his capacity and knowledge.

Publications

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Development of nature-based tourism based on forest ecosystem potential in the Sipiso-Piso Tongging Geosite Area, Toba Global Geopark, Indonesia

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Buku referensi

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NURDIN SULISTIYONO , AGUS PURWOKO

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Typology of Land Use Neuro Networks and Spatial Pattern Plans in Areas undergoing Land Use Change in Deli Serdang, Indonesia

HASAN BASRI TARMIZI , AGUS PURWOKO , DR IR RAHMANTA GINTING MSI

2022

Analisis Dampak dan Peran Pengembangan Kapasitas Kelembagaan Petani Untuk Meningkatkan Kesejahteraan di Areal Food Estate Kabupaten Humbang Hasundutan

AGUS PURWOKO , LUHUT SIHOMBING

2021

Penelitian Tim Pasca Sarjana

ANALISIS DAMPAK ANTROPOGENIK TERHADAP DEFORESTASI HUTAN DI KAWASAN TWA PUSAT LATIHAN GAJAH AEK RASO LABUHANBATU SELATAN SUMATERA UTARA

AGUS PURWOKO , ALFAN GUNAWAN AHMAD , ULIL AMRI DAULAY

2021

Penelitian Unggulan Perguruan Tinggi

Studi Karakteristik dan Potensi Objek Wisata Alam di Sumatera Utara untuk Mendukung Destinasi Super Prioritas Nasional Danau Toba

PINDI PATANA , AGUS PURWOKO , CINDY SIAHAAN , DWITA ANGELIA BR GURUSINGA , REZA IRFANSYAH PUTRA

2021

Measurement Instruments for Superior Product Development:A Case Study of Deli Serdang Cassava in Indonesia

HASAN BASRI TARMIZI , AGUS PURWOKO , DR IR RAHMANTA GINTING MSI

2020

Penelitian Kompetensi

STUDI MORFOMETRIK DAN DISTRIBUSI KEPAH (Meretrix sp.) DI EKOSISTEM MANGROVE BAGAN ASAHAN SUMATERA UTARA

AGUS PURWOKO , MISWAR BUDI MULYA

2020

Penelitian Dosen Pemula

Ekplorasi Biomassa dan Simpanan Karbon, di Kesatuan Pengelolaan Hutan Sumatera Utara

KANSIH SRI HARTINI , AGUS PURWOKO , SITI LATIFAH

2020

Impact of mangrove forest recovery on coastal socio economic conditions on Rugemuk Village, Pantai Labu Subdistrict, Deli Serdang Regency

AGUS PURWOKO , DR IR RAHMANTA GINTING MSI

2019

Penelitian Unggulan Perguruan Tinggi

MODEL KONSERVASI HUTAN SEBAGAI CADANGAN KARBON DAN HABITAT SATWA LIAR DI LANSKAP HUTAN BESITANG

PINDI PATANA , NURDIN SULISTIYONO , AGUS PURWOKO

Community Services

2026

Ipteks Bagi Wilayah

Majelis Pertimbangan Badan Perencanaan Pembangunan, Riset dan Inovasi Daerah Provinsi Sumatera Utara: Kepakaran Bidang Lingkungan dan Kehutanan

VINDY RILANI MANURUNG , AGUS PURWOKO , AHMAD MUHTADI

2026

Ipteks Bagi Masyarakat

Pemberdayaan Siswa SMK Teuku Amir Hamzah Indrapura Melalui Pelatihan Eco Print Berbasis Sumber Daya Hutan

DENI ELFIATI , KANSIH SRI HARTINI , MA RIFATIN ZAHRAH , IWAN RISNASARI , FAUJIAH NURHASANAH RITONGA , DEANOVA FRESTIANA BR PELAWI , EVALINA HERAWATI , AGUS PURWOKO , NOVITA ANGGRAINI , HARISYAH MANURUNG , NELLY ANNA

2025

Penghijauan di Sepanjang Jalan Dusun Pamah Simelir Dalam Rangka HUT RI ke 80

MA RIFATIN ZAHRAH , FAUJIAH NURHASANAH RITONGA , EVALINA HERAWATI , AGUS PURWOKO , NOVITA ANGGRAINI , HARISYAH MANURUNG

2025

Pengurus Kwartir Daerah Gerakan Pramuka Sumatera Utara dan Lembaga Pemeriksa Keuangan Kwartir Daerah Gerakan Pramuka Sumatera Utara Masa Bakti 2025-2030

ACHMAD DELIANUR NASUTION , LASMA MELINDA SIAHAAN , AGUS PURWOKO , IRWAN BUDIMAN

2025

Peran Perempuan dalam Budidaya Ternak Angsa untuk Mendukung Ketahanan Pangan dan Agrowisata Edukasi di Desa Simalingkar A, Kec. Pancur Batu, Kabupaten Deli serdang

PINDI PATANA , AGUS PURWOKO , LUKMAN HAKIM , R. EDHY MIRWANDHONO

2025

Training on the Use of Dual-Function Bamboo Saws and the Implementation of Occupational Health and Safety (K3) for Efficient Fruit Basket Craft Production in Sirpang Sigodang Village, Raya District, Simalungun Regency

MARIAH ULFA , SAMSURI , APRI HERI ISWANTO , RIDAHATI RAMBEY , PINDI PATANA , DENI ELFIATI , KANSIH SRI HARTINI , MA RIFATIN ZAHRAH , NURDIN SULISTIYONO , MOEHAR MARAGHIY HARAHAP , TITO SUCIPTO , FAUJIAH NURHASANAH RITONGA , DEANOVA FRESTIANA BR PELAWI , EVALINA HERAWATI , YUNUS AFIFUDDIN , ANITA ZAITUNAH , AGUS PURWOKO , SURI FADHILLA , SITI LATIFAH , AFIFUDDIN DALIMUNTHE , LUTHFI HAKIM , YUNASFI , HARISYAH MANURUNG , RUDI HARTONO , ALFAN GUNAWAN AHMAD , NELLY ANNA

2025

Ipteks Bagi Masyarakat

Ketua DPD Jagatara Sumatera Utara (ORMAS)

GUSTANTO , ARMIA SYAHPUTRA , ADRIAN HILMAN , PINDI PATANA , ZULHAM APANDY HARAHAP , ROSADI PATRA TANJUNG , EMIL SALIM , MANGARAJA HALONGONAN HARAHAP , AGUS PURWOKO , ALFAN GUNAWAN AHMAD , MUHAMMAD ROMI SYAHPUTRA

2024

Ipteks

PENDIDIKAN SADAR LINGKUNGAN UNTUK ANAK-ANAK SEBAGAI BENTUK KEPEDULIAN TERHADAP HUTAN MANGROVE

PINDI PATANA , NURDIN SULISTIYONO , ORANG KAYA HASNANDA SYAHPUTRA , ANITA ZAITUNAH , AGUS PURWOKO , NOVITA ANGGRAINI , ODING AFFANDI

2024

INTERNATIONAL COMMUNITY SERVICE BY PLANTING MANGROVE AS AN EFFORTS TO PREVENT ABRASION ON KTH PEDULI PESISIR

ROSMAYATI , MOHAMMAD BASYUNI , BEJO SLAMET , ARIDA SUSILOWATI , AGUS PURWOKO , RUDI HARTONO

2023

Peningkatan Pendapatan Desa Wisata di Wilayah Pesisir Melalui Carbon Trading (JGU FH USU)

MOHAMMAD EKAPUTRA , MAHMUL SIREGAR , VITA CITA EMIA TARIGAN , AGUS PURWOKO

2023

IMPLEMENTATION OF RIVERBANK CONSERVATION WITH BAMBOO VEGETATION AS EMBANKMENT REINFORCEMENT

ACHMAD DELIANUR NASUTION , SAMSURI , APRI HERI ISWANTO , RIDAHATI RAMBEY , PINDI PATANA , BEJO SLAMET , MA RIFATIN ZAHRAH , IWAN RISNASARI , TITO SUCIPTO , EMMA PATRICIA BANGUN , DWI ENDAH WIDYASTUTI , ORANG KAYA HASNANDA SYAHPUTRA , EVALINA HERAWATI , AGUS PURWOKO , RAHMI KAROLINA , ARIF NURYAWAN , LUTHFI HAKIM , NOVITA ANGGRAINI , HARISYAH MANURUNG , RUDI HARTONO , ALFAN GUNAWAN AHMAD , NELLY ANNA

2023

Ipteks Bagi Wilayah

Membangun Kemandirian Desa dalam Mitigasi Konflik Manusia dan Harimau di Desa Timbang Lawan, Kecamatan Bahorok, Kabupaten Langkat

AHMAD BAIQUNI RANGKUTI , PINDI PATANA , EKA LESTARI MAHYUNI , NURDIN SULISTIYONO , AGUS PURWOKO , ALFAN GUNAWAN AHMAD

2022

Ipteks Bagi Masyarakat

Peningkatan Teknologi Promosi Pariwisata Berbasis Online di Obyek Wisata Pantai Mangrove Kampung Nipah, Desa Sei Nagalawan, Serdang Bedagai

BEJO SLAMET , AGUS PURWOKO , SITI LATIFAH

2021

Peningkatan Teknologi Promosi Pariwisata Berbasis di Lokasi Food Estate Ria Ria, Pollung, Humbang Hasundutan, Sumatera Utara

BEJO SLAMET , AGUS PURWOKO , SITI LATIFAH

2021

Ipteks Bagi Masyarakat

Workshop Pemanfaatan Bagian Vegetasi menjadi Produk Bernilai Tinggi untuk Peningkatan Pendapatan Ibu Rumah Tangga Forum Silaturahmi Masyarakat (Forsimas) Sitodang Kelurahan Medan Johor di Era Pandemi

SAMSURI , RAHMAWATY , BEJO SLAMET , MUHDI , IWAN RISNASARI , ANITA ZAITUNAH , AGUS PURWOKO , HAFIZAH ARINAH

2021

EDUKASI DAN WORKSHOP MANAJEMEN PEMANFATAN VEGETASI UNTUK MENDUKUNG PENGELOLAAN LINGKUNGAN LESTARI MENJADI PRODUK ECOPRINT DI DUSUN 6 DESA SEI GLUGUR KECAMATAN PANCURBATU

SAMSURI , RAHMAWATY , BEJO SLAMET , MUHDI , IWAN RISNASARI , ANITA ZAITUNAH , AGUS PURWOKO , SITI LATIFAH , ODING AFFANDI , HAFIZAH ARINAH

2021

Ipteks Bagi Masyarakat

Workshop Pemanfaatan Bagian Vegetasi menjadi Produk Bernilai Tinggi untuk Peningkatan Pendapatan Ibu Rumah Tangga Forum Silaturahmi Masyarakat (Forsimas) Sitodang Kelurahan Medan Johor di Era Pandemi

SAMSURI , RAHMAWATY , BEJO SLAMET , MUHDI , IWAN RISNASARI , ORANG KAYA HASNANDA SYAHPUTRA , ANITA ZAITUNAH , AGUS PURWOKO , SITI LATIFAH , ODING AFFANDI , HAFIZAH ARINAH

2021

Peningkatan Teknologi Promosi Pariwisata Berbasin Online di Desa Ria Ria, Pollung, Humbang Hasundutan, Sumatera Utara

BEJO SLAMET , AGUS PURWOKO , SITI LATIFAH

2021

Ipteks Bagi Masyarakat

Workshop Pemanfaatan Bagian Vegetasi menjadi Produk Bernilai Tinggi untuk Peningkatan Pendapatan Ibu Rumah Tangga Forum Silaturahmi Masyarakat (Forsimas) Sitodang Kelurahan Medan Johor di Era Pandemi

SAMSURI , RAHMAWATY , BEJO SLAMET , MUHDI , IWAN RISNASARI , ANITA ZAITUNAH , AGUS PURWOKO , NOVITA ANGGRAINI , HAFIZAH ARINAH

2021

Manajemen Usaha Jamu

ELLYS YULIARTI , NOLA WINDIRAH , AGUS PURWOKO

2021

Pelatihan Pembuatan Pupuk Kompos Sebagai Penunjang Usaha Perkebunan Rakyat di Desa Lokasi Baru Kecamatan Air Periukan Kabupaten Seluma

INDRA CAHYADINATA , AGUS PURWOKO , AGUNG TRISUSILO

2020

Ipteks Bagi Masyarakat

Edukasi dan Workshop Manajemen Pemanfaatan Vegetasi untuk Mendukung Pengelolaan Lingkungan Lestari Menjadi Produk Ecoprint di Dusun 6 Desa Sei Glugur Kecamatan Pancur Batu

SAMSURI , RAHMAWATY , BEJO SLAMET , MUHDI , IWAN RISNASARI , ORANG KAYA HASNANDA SYAHPUTRA , ANITA ZAITUNAH , AGUS PURWOKO , SITI LATIFAH , NOVITA ANGGRAINI , ODING AFFANDI

2020

Ipteks Bagi Masyarakat

Edukasi dan Workshop Manajemen Pemanfaatan Vegetasi untuk Mendukung Pengelolaan Lingkungan Lestari Menjadi Produk Ecoprint di Dusun 6 Desa Sei Glugur Kecamatan Pancur Batu

SAMSURI , RAHMAWATY , BEJO SLAMET , MUHDI , IWAN RISNASARI , ANITA ZAITUNAH , AGUS PURWOKO , SITI LATIFAH , ODING AFFANDI

2019

Pembuatan Dodol Mangrove dengan Koperasi Serba Usaha Muara Baumbai

AHMAD BAIQUNI RANGKUTI , RAHMAWATY , IRAWATI AZHAR , MA RIFATIN ZAHRAH , IWAN RISNASARI , EVALINA HERAWATI , YUNUS AFIFUDDIN , ANITA ZAITUNAH , AGUS PURWOKO , RIDWANTI BATUBARA

2018

Ipteks Bagi Masyarakat

Pengrajin Souvenir Berbahan Baku Kayu di Destinasi Wisata Danau Toba Sumatera Utara-2018

AGUS PURWOKO , SITI LATIFAH

2018

PEMANFAATAN LIMBAH ORGANIK RUMAH TANGGA DAN LAHAN PEKARANGAN SEMPIT DI WILAYAH PERKOTAAN

KANSIH SRI HARTINI , AGUS PURWOKO , RUDI HARTONO

2017

Identitas Pohon (Tagging Pohon) di Kawasan Hutan dengan Tujuan Khusus (KHDTK) Pondok Buluh, Kabupaten Simalungun

SAMSURI , KANSIH SRI HARTINI , ARIDA SUSILOWATI , AGUS PURWOKO , RUDI HARTONO

Intellectual Property Rights

2025

Hak cipta nasional

Karya Sinematografi Ternak Angsa LPPM USU di Desa Simalingkar A

PINDI PATANA , LUKMAN HAKIM , AGUS PURWOKO , R. EDHY MIRWANDHONO

2025

Hak cipta nasional

Fenomena Antropogenik Di Kawasan Konservasi: Ancaman pada Gajah Sumatra (*Elephas maximus sumatranus*)

ULIL AMRI DAULAY , AGUS PURWOKO , ALFAN GUNAWAN AHMAD

2024

Hak cipta nasional

Pengantar Perdagangan Karbon di Indonesia

M. IQBAL ASNAWI , VITA CITA EMIA TARIGAN , MAHMUL SIREGAR , MAHMUD MULYADI , AGUS PURWOKO

2022

Paten nasional

Peran Pemuda Pada Pembangunan Pertanian Di Kabupaten Gayo Lues Provinsi Aceh

ERMAN MUNIR , AGUS PURWOKO