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Dr. Achmad Siddik Thoha, S. Hut., M.Si., was born in Situbondo on February 3, 1975. He completed his undergraduate education in Forest Management at the Bogor Agricultural Institute (IPB) in 1998. He earned his Master's in Forestry Science from the Graduate School of IPB Bogor in 2006. In 2014, he completed his doctoral studies in Tropical Silviculture at the Graduate School of IPB Bogor, focusing on the research topic of Early Warning Systems for Forest and Land Fires.

The author also received an internship grant at the Earth Institute, Columbia University, USA, in 2012 and at the National Institute for Environmental Studies (NIES) in Japan in 2015. His research areas include Conservation of Biological Resources, Forest and Land Fire, Spatial Environmental Analysis, and Disaster Mitigation Due to Climate Change. He is actively involved in teaching, research, and community service related to hydrometeorological disaster mitigation and natural resource conservation.

In the midst of his busy schedule, he also authors books such as "Mitigasi Bencana Akibat Perubahan Iklim" (Disaster Mitigation Due to Climate Change), "Jejak-jejak Kemanusiaan Sang Relawan" (Traces of Humanity by Volunteers), and "Ketika Pohon Bersujud" (When Trees Bow Down). Additionally, he is actively engaged in providing training on mapping and the use of drones for research and humanitarian purposes.

Publications

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Empowering Farmers as Agents of Change for Planetary Health: A Participation Action Research Among Honey Guava in Indonesia

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Jurnal nasional terakreditasi

Analisis Kesesuaian Penggunaan Lahan Baku Sawah terhadapRencanaDetailTataRuangdiKecamatanSiantar Marihat Kota Pematangsiantar Provinsi Sumatera Utara

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Jurnal nasional terakreditasi

Analisis Perubahan Tutupan Lahan di Kecamatan Medan Labuhan, Kota Medan Sumatera Utara Tahun 2014 - 2024

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Prosiding seminar internasional

Spatiotemporal Characteristics of Forest and Land Fires in Humbang Hasundutan Regency in 2015- 2024

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Identification of Land Use Affected by Tidal Floods using Unmanned Aerial Vehicles in Coastal Medan City, North Sumatra, Indonesia

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Identifikasi Permukiman Kumuh Menggunakan Citra Unmanned Aerial Vehicle dan Object Based Image Analysis di Kecamatan Medan Belawan, Kota Medan

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Waterbirds habitat mapping using unmanned aerial vehicle in Belawan Mangrove Ecosystems, North Sumatera, Indonesia

ERNI JUMILAWATY , MOCHAMMAD AKBAR MARWAN , ACHMAD SIDDIK THOHA

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Analisis Sebaran Spasial Kerentanan Bencana Banjir di Kota Medan Tahun 2023

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Karakteristik dan Persepsi Pengunjung untuk Pengembangan Wisata Edukasi di Taman Cadika Kota Medan

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DETERMINASI KEPUASAN PELANGGAN DAN KARAKTERISTIK SOSIAL EKONOMI TERHADAP WILLINGNESS TO PAY UNTUK AIR SIAP MINUM DI PERUMDA TIRTANADI MEDAN

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Analysis of land cover changes on the Sumatran Orangutan (Pongo abelii) habitat due to forest fires in Gunung Leuser National Park

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HASAN BASRI TARMIZI , AFRIYANA EKA SARVELENI , ACHMAD SIDDIK THOHA

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Analysis of the attractions of Tangkahan Nature Tourism Area, Gunung Leuser National Park, North Sumatra Province

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A spatial model of forest and land fire vulnerability level in the Dairi District, North Sumatra, Indonesia

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Identification of land cover trajectories before and after forest and land fires in Jambi Province in 2019

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Characteristics and causes of forest and land fires in Kapuas District, Central Kalimantan Province, Indonesia

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Modeling of Forest and Land Fires Vulnerability Level in North Sumatera Province, Indonesia

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Penelitian Kerjasama Antar Perguruan Tinggi

Analisis Urban Resilience Terhadap Emisi Karbon Melalui Pendekatan Model Urban Cross-media Carbon Metabolism: Study Kasus Kota-kota Di Indonesia

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Penelitian Dosen Pemula

DETEKSI AREA TERDAMPAK BANJIR ROB DI BELAWAN DENGAN CITRA RESOLUSI SEDANG MENGGUNAKAN DEEP LEARNING

ADE CANDRA , HAYATUNNUFUS , ACHMAD SIDDIK THOHA , SYAFITRI ARIYA , VINCENT CHANDRA JUNIOR , MUHAMMAD SADDAM ZIKRI DALIMUNTHE

2009
Penelitian Hibah Bersaing

ANALISIS PERUBAHAN PENGGUNAAN LAHAN HUTAN DAN PEMBAYARAN JASA LINGKUNGAN DI DAERAH ALIRAN SUNGAI DELI

NURDIN SULISTIYONO , ACHMAD SIDDIK THOHA

Community Services

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Kegiatan Pengabdian kepada Masyarakat penyiapan pangan, perlengkapan tidur dan penyediaan air bersih bersama Pemerintah Kabupaten Langkat

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2023
Ipteks Bagi Masyarakat

Pemetaan Hutan Mangrove Menggunakan Teknologi Drone untuk Pengembangan Ekowisata di Desa Lubuk Kasih Kecamatan Brandan Barat Kabupaten Langkat

TULUS IKHSAN NASUTION , ACHMAD SIDDIK THOHA , ORANG KAYA HASNANDA SYAHPUTRA , IRWAN SARAGIH , SHOFIA PUTRI NASIBAH , MIRANDA ANGGRAINI , CHRISTINE PATRESYA A.M. , SHIVA KARILLA UTIYA

2018

PESBUK (Penganan Sehat Ibu Kreatif) untuk AUD (Anak Usia Dini)

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Model Pertumbuhan Ekonomi dan Pengembangan Pembangunan Wilayah Melalui Variabel Intervening Badan Pemeriksa Keuangan (BPK) (Studi pada Provinsi Sumatera Utara)

ACHMAD SIDDIK THOHA , SATIA NEGARA LUBIS , BADARUDDIN , CIPTA DWI SASTRA

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Peta Bentuk Perkotaan Kota Surakarta Tahun 2024

PIPIT WIJAYANTI , PURWANTO , ACHMAD SIDDIK THOHA , Istiyanti Nur Marfu'ah , RITA NOVIANI

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Peta Kawasan Ekowisata Mangrove Desa Lubuk Kasih Kecamatan Brandan Barat Kabupaten Langkat

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