

Prof. Ar. Ir. Hilma Tamiami Fachrudin, S.T., M.Sc., Ph.D., GP., IAI

Lecturer of Doctoral Program in Architecture and Urban Science Study Program
Faculty of Engineering
Universitas Sumatera Utara

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Prof. Hilma Tamiami Fachrudin is a lecturer in Architecture and Urban Design at the Universitas Sumatera Utara. She completed her bachelor's degree in Architecture at USU, then continued her master's and doctoral studies at USM with a focus on Urban Design.

Prof. Hilma has expertise in Architecture and Urban Design and is active in research and publications in the field. She is also active in various academic and professional activities, including as a member of the Indonesian Institute of Architects (IAI) and the Association of Urban and Regional Planning Experts (HATWIL).

Publications

2021

Prosiding seminar internasional

The influence of Chinese architecture on the development of architecture in Medan City

HILMA TAMIAMI FACHRUDIN , IMAM FAISAL PANE

2018

Prosiding seminar internasional

Green Design Application on Campus to Enhance Student's Quality of Life

HILMA TAMIAMI FACHRUDIN , KHAIRA AMALIA FACHRUDDIN

2020

Prosiding seminar internasional

Transportation Planning on Green Campus

HILMA TAMIAMI FACHRUDIN

2020

Buku referensi

Kampus Hijau

HILMA TAMIAMI FACHRUDIN

2024

Jurnal internasional bereputasi

Utilizing Of Wood Sawdust Ash in Eco-Friendly Interlocking Bricks: A Sustainable Approach

Sally Irvina Ritonga , HILMA TAMIAMI FACHRUDIN , RAHMI KAROLINA , MUHAMMAD AGUNG PUTRA HANDANA

2024

Prosiding seminar internasional

Utilizing Of Wood Sawdust Ash in Eco-Friendly Interlocking Bricks: A Sustainable Approach

HILMA TAMIAMI FACHRUDIN

2022

Prosiding seminar nasional

Transformasi Spasial Rumah Vernakular Melayu di Hamparan Perak

HILMA TAMIAMI FACHRUDIN

2024
Prosiding seminar internasional

Architecture design and construction using bamboo case study: Buluh Awar village, Indonesia

HILMA TAMIAMI FACHRUDIN , Franky Parulian Simanjuntak

2021
Prosiding seminar internasional

Floating resort planning in Tano Ponggol with water conservation approach

HILMA TAMIAMI FACHRUDIN

2021
Prosiding seminar internasional

Green architecture approach in waste management building design concept

HILMA TAMIAMI FACHRUDIN

2022
Prosiding seminar nasional

Ruang Adaptif Berkelanjutan: Kerangka Konseptual

HILMA TAMIAMI FACHRUDIN

2025
Prosiding seminar nasional

Peningkatan Kewaspadaan Bencana Gempa Bumi Pada Anak Usia Dini Melalui Media Game Edukasi Digital

HILMA TAMIAMI FACHRUDIN

2024
Jurnal internasional bereputasi

Ecological Aspects in Urban Streetscape Design Based on Users' Preferences Towards Green City

HILMA TAMIAMI FACHRUDIN

2023
Jurnal internasional bereputasi

Green Street Design Approach to Realize Green City. Case Study: Medan City

HILMA TAMIAMI FACHRUDIN

2023
Jurnal internasional bereputasi

The Influence of Local Knowledge on the Continuity of Vernacular Dwellings in Hampan Perak Sub-District

HILMA TAMIAMI FACHRUDIN , BENY OCTOFRYANA YOUSCA MARPAUNG , MEYGA FITHRI HANDAYANI NST

2023
Jurnal nasional terakreditasi

Batik Jambi Cultural Center with An Ecological Architecture Approach

ANNISA FAADHILAH HARAHAP , HILMA TAMIAMI FACHRUDIN

2020
Prosiding seminar internasional

The Role of Semiotics in Reviewing Architecture

IMAM FAISAL PANE , HILMA TAMIAMI FACHRUDIN

2022
Prosiding seminar internasional

The Analysis of "Highest & Best Use" Government Land of Deli Serdang District

HILMA TAMIAMI FACHRUDIN

2023
Jurnal internasional

The Effect of Visitor's Comfort on the Success of City Park AS A Social Interaction Space (Case Study: Blang Padang Field, Banda Aceh)

HILMA TAMIAMI FACHRUDIN

2022

Jurnal internasional bereputasi

Workplace Design Concept Based on Indoor Environmental Quality Analysis to Prevent Coronavirus Transmission

HILMA TAMIAMI FACHRUDIN

2025

Prosiding seminar internasional

Responsive Privacy of Coastal Malay Homes in Riau in Implementing Islamic Law Towards the Environment

HILMA TAMIAMI FACHRUDIN

2022

Prosiding seminar nasional

Kajian Geopark sebagai Sarana Edukasi dengan Pendekatan Arsitektur Hijau

HILMA TAMIAMI FACHRUDIN

2023

Jurnal internasional

ANALYSIS THE APPLICATION OF GREEN BUILDING PRINCIPLES IN CITRALAND GAMA CITY HOUSING BASED ON THE GREENSHIP HOMES RATING SYSTEM VERSION 1.0

HILMA TAMIAMI FACHRUDIN

2024

Jurnal internasional bereputasi

Preface The 5th TALENTA Conference on Engineering, Science and Technology (TALENTA CEST) 2024

HILMA TAMIAMI FACHRUDIN

2019

Jurnal nasional terakreditasi

Renovation of MCK to improve community health in pangambatan village, brand district, Karo Sumut regency

IMAM FAISAL PANE , FIRMAN EDDY , HILMA TAMIAMI FACHRUDIN

2021

Prosiding seminar internasional

Application of green concept on mixed-use building design

MOHAMMAD DOLOK LUBIS , HILMA TAMIAMI FACHRUDIN

2020

Jurnal internasional

Architectural Design by Considering Communication Systems with Observer (Case Study: KLIA Internasional Airport)

IMAM FAISAL PANE , HILMA TAMIAMI FACHRUDIN

2023

Buku referensi

Perencanaan dan Desain Kota Hijau

HILMA TAMIAMI FACHRUDIN

2019

Jurnal internasional bereputasi

Education Activities to Realize Green Campus

HILMA TAMIAMI FACHRUDIN

2025

Prosiding seminar internasional

Healing Environment Approach on Wellness Center Design Toward Sustainable Development

HILMA TAMIAMI FACHRUDIN

2022

Jurnal internasional

REVITALIZATION OF NON-GREEN OPEN SPACE AS A WATER TOURISM AREA IN NORTH MEDAN (CASE STUDY: LAGUNA LAKE OF PERUMNAS

MARTUBUNG I MEDAN)

HILMA TAMIAMI FACHRUDIN

2019

Jurnal nasional terakreditasi

Penataan Kampung Nelayan Dengan Pendekatan Arsitektur Ekologi di Kelurahan Bagan Deli Kota Medan

HILMA TAMIAMI FACHRUDIN

2024

Jurnal nasional terakreditasi

Analisis Perbandingan Pusat Kreativitas UMKM dengan Penerapan Arsitektur Metafora

HILMA TAMIAMI FACHRUDIN

2026

Jurnal nasional terakreditasi

Preferences and Usage Patterns in Urban Green Spaces: A Case Study of Visitors at Cadika Pramuka Park, Medan City

HILMA TAMIAMI FACHRUDIN , RAHMAWATY

2019

Jurnal internasional

Analysis on the Influence of Property Management on Residents' Satisfaction at the Komplek Perumahan Bumi Asri, Medan Helvetia Subdistrict

HILMA TAMIAMI FACHRUDIN , ELISABET SIAHAAN

2025

Jurnal nasional terakreditasi

Sustainable Conservation of Malay Traditional Architecture East Sumatera Indonesia

HILMA TAMIAMI FACHRUDIN

2025

Jurnal internasional bereputasi

A Review on Smart Building System Integration: Optimising Energy Efficiency with the Application of Biophilic Architecture

MOHAMMAD DOLOK LUBIS , HILMA TAMIAMI FACHRUDIN , RAHMI KAROLINA , YULESTA PUTRA , Ahmad Sanusi Hassan

2026

Buku referensi

Penilaian Perkebunan Kelapa Sawit

HILMA TAMIAMI FACHRUDIN

2024

Jurnal internasional bereputasi

Assessment of Daylighting Performance on Different Frit Patterns of ETFE Foils of Building Facades

HILMA TAMIAMI FACHRUDIN , MOHAMMAD DOLOK LUBIS , Ahmad Sanusi Hassan , Muhammad Hafeez Abdul Nasir , Hazril Sherney Basher , Wendy Jia Yee Lau1

2022

Prosiding seminar nasional

Kajian Penerapan Konservasi Energi pada Bangunan Hotel

HILMA TAMIAMI FACHRUDIN

2024

Prosiding seminar internasional

Sustainable Streetscape Design Based on Functional Aspects Case Study: Medan City, Indonesia

Siti Hajar Binti Misnan , HILMA TAMIAMI FACHRUDIN

2021

Prosiding seminar internasional

Analysis of spatial changes in simple dwelling based on sustainable architectural approaches

2021

Jurnal nasional terakreditasi

Analisis transformasi ruang hunian program rumah subsidi pemerintah

IR. DWIRA NIRFALINI AULIA MSC PHD , HILMA TAMIAMI FACHRUDIN

2022

Jurnal internasional bereputasi

Niuweu Bowen Architecture Style toward City Visual Quality

IMAM FAISAL PANE , HILMA TAMIAMI FACHRUDIN

2025

Jurnal internasional bereputasi

Analysis of the level of Permeability and Wayfinding of a Retirement Village: The Case of Kampung Admiralty, Singapore

HILMA TAMIAMI FACHRUDIN

2020

Prosiding seminar internasional

Genius Loci In Aceh Utara Contemporary Architecture

MUHAMMAD NAWAWIY LOEBIS , HILMA TAMIAMI FACHRUDIN

2026

Buku referensi

Penerapan Konsep Berkelanjutan, Adaptif, dan Fleksibel pada Desain Street Furniture

HILMA TAMIAMI FACHRUDIN

2023

Jurnal nasional terakreditasi

Design of Ulos Weaving Handicraft Centre in Samosir Regency with Green Architecture Approach

HILMA TAMIAMI FACHRUDIN

2021

Jurnal internasional bereputasi

Factors Determining Decision to Rent Low-Cost Flats (RUSUNAWA): A Case Study in Indonesia

HILMA TAMIAMI FACHRUDIN

2024

Jurnal nasional terakreditasi

Typology of Corner Buildings in the District of Central Market Medan

BENY OCTOFRYANA YOUSCA MARPAUNG , HILMA TAMIAMI FACHRUDIN

2021

Prosiding seminar internasional

Neoclassical Architecture as a Style Influenced by Local Content and Its Role in Education

IMAM FAISAL PANE , HILMA TAMIAMI FACHRUDIN

2021

Prosiding seminar internasional

Science and culture centre concept with energy-saving architecture approach

HILMA TAMIAMI FACHRUDIN

2018

Prosiding seminar internasional

Analysis of Factors Affecting Property Value at Residence with Cluster Concept: Case Study - J City Residence

FAURANTIA FORLANA SIGIT , KHAIRA AMALIA FACHRUDDIN , HILMA TAMIAMI FACHRUDIN

2026

Jurnal internasional bereputasi

Sustainable Preservation of Malay Traditional Houses through Digital Technology Integration: An Adaptive Framework for East Sumatra, Indonesia

2024

Jurnal nasional

Pendekatan Arsitektur Hijau pada Pasar Tradisional

HILMA TAMIAMI FACHRUDIN

2025

Jurnal nasional terakreditasi

ECO HIVE: Implementasi Konsep Arsitektur Hijau di Youth Public Space dengan Pendekatan Iklim

HILMA TAMIAMI FACHRUDIN , JASMINE PUTRI AMANDA

2021

Prosiding seminar internasional

Mixed-use building concept with energy conservation approach

HILMA TAMIAMI FACHRUDIN , MOHAMMAD DOLOK LUBIS

2026

Buku referensi

Bangunan Hijau: Prinsip dan Implementasinya

HILMA TAMIAMI FACHRUDIN , MOHAMMAD DOLOK LUBIS , YULESTA PUTRA

2022

Jurnal internasional

Analysis of the Green Open Space Condition as the Children's Playground Facilities

HILMA TAMIAMI FACHRUDIN

2026

Jurnal internasional bereputasi

Analysis of Fiber-glass Reinforced Polymer (FRP) material on double skin façade (DSF) for reducing indoor air temperature of laboratory in tropical climate

HILMA TAMIAMI FACHRUDIN , MOHAMMAD DOLOK LUBIS , Universiti Sains Malaysia , Ahmad Sanusi Hassan , Boonsap Witchayangkoon

2021

Prosiding seminar internasional

Analysis traditional market condition from functional aspects, case study Sukaramai traditional market Medan

HILMA TAMIAMI FACHRUDIN

2024

Jurnal internasional

Analysis of Rental Value of Shop Houses in Kecamatan Medan Petisah

HILMA TAMIAMI FACHRUDIN

2024

Jurnal nasional

Kajian Penerapan Arsitektur Hijau pada Perancangan Sekolah Alam

HILMA TAMIAMI FACHRUDIN

2026

Jurnal internasional bereputasi

Investigating the Design of Streetscape Features to Enhance Pedestrian Activity

HILMA TAMIAMI FACHRUDIN , MOHAMMAD DOLOK LUBIS , Ahmad Sanusi Hassan

2023

Jurnal internasional bereputasi

The Influence of Local Knowledge on the Continuity of Vernacular Dwellings in Hamparan Perak Sub-District

NURLISA , MEYGA FITRI HANDAYANI NASUTION , BENY OCTOFRYANA YOUSCA MARPAUNG , HILMA TAMIAMI FACHRUDIN

2024

Jurnal internasional bereputasi

A Review on Smart Building System Integration: Optimising Energy Efficiency with the Application of Biophilic Architecture

HILMA TAMIAMI FACHRUDIN

2022

Jurnal internasional

WALKABILITY STUDY IN MEDAN CITY CENTER BASED ON PEDESTRIAN PERCEPTION: A CASE STUDY OF MERDEKA AND KESAWAN FIELDS

HILMA TAMIAMI FACHRUDIN

2021

Jurnal nasional terakreditasi

Influence of Chinese Culture on the Development of Mosques in Indonesia

HILMA TAMIAMI FACHRUDIN , IMAM FAISAL PANE

2024

Jurnal internasional bereputasi

Ecological Aspects in Urban Streetscape Design Based on Users' Preferences Towards Green City

MOHAMMAD DOLOK LUBIS , HILMA TAMIAMI FACHRUDIN , YULESTA PUTRA , RAHMI KAROLINA , Ahmad Sanusi Hassan

2020

Prosiding seminar internasional

Architecture as Communication System with Semiotic Theory (Case Study: Tjong A Fie's House)

IMAM FAISAL PANE , HILMA TAMIAMI FACHRUDIN

2020

Prosiding seminar internasional

Factors Affecting the Value of Land on the Street of Williem Iskandar Pasar V Medan Estate Sei Tuan District, Deli Serdang Regency

HILMA TAMIAMI FACHRUDIN , IR. DWIRA NIRFALINI AULIA MSC PHD

2025

Jurnal nasional terakreditasi

Apartemen sebagai Bangunan Vertikal dengan Pendekatan Bioklimatik

HILMA TAMIAMI FACHRUDIN , JESSELYN YAP

2024

Jurnal internasional bereputasi

Assessment of Daylighting Performance on Different Frit Patterns of ETFE Foils of Building Facades

HILMA TAMIAMI FACHRUDIN

2024

Jurnal nasional

PENERAPAN ARSITEKTUR METAFORA PADA BANGUNAN PUSAT CULINARY CENTRE

HILMA TAMIAMI FACHRUDIN

2022

Jurnal nasional terakreditasi

Design of Toba Caldera Geopark Museum in Balige With A Green Architecture Approach

HILMA TAMIAMI FACHRUDIN

2025

Jurnal internasional bereputasi

Sustainable streetscape design in commercial area toward green city: comparative study between Indonesia and Malaysia

HILMA TAMIAMI FACHRUDIN , Siti Hajar Binti Misnan

2024

Prosiding seminar internasional

A Study on Streetscape Elements Fostering Green and Low-Carbon City in Johor Bahru's Commercial Centre

2024

Prosiding seminar internasional

Privacy Principles in Malay House Design: Integrating Visual and Acoustic Privacy in Selatpanjang Residences

HILMA TAMIAMI FACHRUDIN

2023

Jurnal internasional

THE EFFECT OF THERMAL COMFORT ON THE HEALTH OF OCCUPANTS AT CITRA GRAHA HOUSING

IR. DWIRA NIRFALINI AULIA MSC PHD , HILMA TAMIAMI FACHRUDIN

2020

Prosiding seminar internasional

Analyze of physical land use changes: Case study: Gagak Hitam Street, Medan

HILMA TAMIAMI FACHRUDIN , IR. DWIRA NIRFALINI AULIA MSC PHD

2018

Prosiding seminar internasional

Can activity support influence image of a street?

HILMA TAMIAMI FACHRUDIN

2021

Prosiding seminar internasional

The relationship between green behaviour and green campus principles: A literature review

HILMA TAMIAMI FACHRUDIN

2020

Prosiding seminar internasional

Green Campus Concept Based On Architect Perspective

HILMA TAMIAMI FACHRUDIN

2022

Jurnal internasional

The Effect of Visitor's Comfort on the Success of City Park as a Social Interaction Space (Case Study: Blang Padang Field, Banda Aceh)

HILMA TAMIAMI FACHRUDIN , BENY OCTOFRYANA YOUSCA MARPAUNG

2020

Prosiding seminar internasional

The Morphology of Vernacular Architecture in Medan City and Its Surroundings: Case Study - Malay Architecture

HILMA TAMIAMI FACHRUDIN , IMAM FAISAL PANE

2020

Jurnal internasional

Changes of Form of Malay Traditional Houses in Medan and Surroundings

HILMA TAMIAMI FACHRUDIN , IMAM FAISAL PANE

2024

Jurnal nasional terakreditasi

Typology of Corner Buildings in the District of Central Market Medan

HILMA TAMIAMI FACHRUDIN

2022

Prosiding seminar nasional

Konsep Rusunawa dengan Pendekatan Arsitektur Hemat Energi (Studi Kasus: Rusunami Tegal dan Rusunawa Jatinegara Barat)

HILMA TAMIAMI FACHRUDIN

2025

Buku referensi

DESAIN STREETScape BERKELANJUTAN MENUJU KOTA HIJAU BEBAS EMISI

HILMA TAMIAMI FACHRUDIN

2020

Prosiding seminar internasional

Urban Quality Measurement and It's Influence To Sense of Place

HILMA TAMIAMI FACHRUDIN

2020

Jurnal internasional

Reading Sign as a response to an architectural work (Case study: Wisma Garuda)

HILMA TAMIAMI FACHRUDIN , IMAM FAISAL PANE

2022

Prosiding seminar nasional

Pendekatan Arsitektur Hijau Pada Gedung Perkantoran

HILMA TAMIAMI FACHRUDIN

2025

Jurnal internasional

FAKTOR YANG MEMPENGARUHI TINGKAT KAPITALISASI PROPERTI GUDANG MILIK PT.KIM

HILMA TAMIAMI FACHRUDIN

2023

Jurnal internasional bereputasi

Adaptive Workplace with Indoor Health and Comfort Approach Toward Sustainable City

HILMA TAMIAMI FACHRUDIN

2022

Prosiding seminar internasional

Effect Analysis of Property Management toward Residents Satisfaction of Villa Zeqita Residence Medan Tuntungan

HILMA TAMIAMI FACHRUDIN

Researches

2025

Penelitian Dosen Pemula

Integrasi Desain Arsitektur Berkelanjutan dan Bangunan Berkinerja Tinggi Pada Gedung Digital Learning Center Universitas Sumatera Utara Untuk Mewujudkan Green Campus

MOHAMMAD DOLOK LUBIS , HILMA TAMIAMI FACHRUDIN

2024

Penelitian Dana Lokal Perguruan Tinggi

Strategi Penghijauan Kota dan Desain Streetscape Untuk Meningkatkan Kenyamanan Pejalan Kaki Sebagai Pendukung Kualitas Desain Perkotaan

HILMA TAMIAMI FACHRUDIN

2024

Penelitian Unggulan Perguruan Tinggi

PUSAT UNGGULAN IPTEKS BANGUNAN HIJAU DAN KUALITAS LINGKUNGAN PERKOTAAN

MOHAMMAD DOLOK LUBIS , HILMA TAMIAMI FACHRUDIN , RAHMI KAROLINA , YULESTA PUTRA

2021

Penelitian Dana Lokal Perguruan Tinggi

MENEMUKENALI ARSITEKTUR NIUWE BOWEN DI KOTA MEDAN

HILMA TAMIAMI FACHRUDIN , IMAM FAISAL PANE

2025

Penelitian Dana Lokal Perguruan Tinggi

Pengembangan Desain Street Furniture yang Mengintegrasikan Konsep Berkelanjutan, Adaptif dan Fleksibel Sebagai Strategi Mewujudkan Identitas dan Branding Kota

HILMA TAMIAMI FACHRUDIN

2023

Kerjasama Luar Negeri dan Publikasi Internasional

Desain Streetscape Berkelanjutan Pada Kawasan Komersil Untuk Mewujudkan Kota Hijau Zero Emission

HILMA TAMIAMI FACHRUDIN

2024

Kerjasama Luar Negeri dan Publikasi Internasional

PUI Bangunan Hijau dan Kualitas Lingkungan Perkotaan

HILMA TAMIAMI FACHRUDIN

2023

Penelitian Dana Lokal Perguruan Tinggi

Kluster Keilmuan Bangunan Hijau Untuk Mewujudkan Kualitas Lingkungan Perkotaan

HILMA TAMIAMI FACHRUDIN

2025

Integrasi Desain Arsitektur Berkelanjutan dan Bangunan Berkinerja Tinggi Pada Gedung Digital Learning Center Universitas Sumatera Utara Untuk Mewujudkan Green Campus

MOHAMMAD DOLOK LUBIS , HILMA TAMIAMI FACHRUDIN , YULESTA PUTRA

2024

Ipteks Bagi Inovasi Kreativitas Kampus

Pervious Concrete Sebagai Cover U - Ditch untuk Meminimalisir Genangan Air

MUHAMMAD AGUNG PUTRA HANDANA , HILMA TAMIAMI FACHRUDIN , RAHMI KAROLINA

2024

Penelitian Disertasi Doktor

Strategi desain perumahan formal yang Livable untuk implementasi ekonomi sirkular. Studi kasus : Pembangunan Perumnas di Indonesia

HILMA TAMIAMI FACHRUDIN , IR. DWIRA NIRFALINI AULIA MSC PHD

Community Services

2019

Penelitian Dana Lokal Perguruan Tinggi

Peningkatan Kesehatan Masyarakat Melalui Pembuatan MCK di Desa Pangabatan Kecamatan Merek Kabupaten Karo Sumut

HILMA TAMIAMI FACHRUDIN , FIRMAN EDDY

2024

PEMODELAN DIGITAL PERANCANGAN PENATAAN EFISIENSI ENERGI PADA MASJID IBNU SINA SMAN 1 MEDAN

MOHAMMAD DOLOK LUBIS , AMY MARISA , HILMA TAMIAMI FACHRUDIN , YULESTA PUTRA

2023

Penelitian Dosen Pemula

Penguatan Kemampuan dan Pengetahuan serta Implementasi Tentang Sekolah Sehat Bagi Guru dan Siswa SMK Negeri 5 Medan yang Berbasis Pada Optimalisasi Penggunaan Ventilasi Alami

HILMA TAMIAMI FACHRUDIN , YULESTA PUTRA

2021

Pembuatan Kamar Mandi di Ekowisata Mangrove Kampung Nelayan Seberang

HILMA TAMIAMI FACHRUDIN , RAHMI KAROLINA , BEBY KENDIDA HASIBUAN

2024

Historic Urban Landscape Approach: For The Future of Medan Architectural Heritage

HILMA TAMIAMI FACHRUDIN , AYA MAHARANI , ISNEN FITRI , CHICHI ASDA ARTHA , SALMINA WATI GINTING

2023

Historic Urban Landscape Approach: For The Future of Medan Architectural Heritage

HILMA TAMIAMI FACHRUDIN , AYA MAHARANI , ISNEN FITRI , SALMINA WATI GINTING

2025

International Summer Course Architecture USU 2025 : Historic Urban Landscape Approach for Future of Medan Architectural Heritage

HILMA TAMIAMI FACHRUDIN , AYA MAHARANI , ISNEN FITRI , CHICHI ASDA ARTHA , BASARIA T TAMPUBOLON , SALMINA WATI GINTING

2023

Ipteks

CAPACITY BUILDING ON BAMBOO EDUCATION FOR ARCHITECTURE AND STRUCTURE AS RENEWABLE MATERIAL TOWARD ZERO EMISSION

MOHAMMAD DOLOK LUBIS , HILMA TAMIAMI FACHRUDIN , RAHMI KAROLINA

2022

Penelitian Dana Lokal Perguruan Tinggi

Peningkatan Kewaspadaan Bencana Gempa Bumi Pada Anak Usia Dini Melalui Media Game Edukasi Digital

HILMA TAMIAMI FACHRUDIN , INDRA AULIA , RAHMI KAROLINA

2025

Ipteks Bagi Masyarakat

Peningkatan Kesadaran Mitigasi Gempa untuk Anak-Anak di Kampung Nelayan Sebrang melalui Augmented Reality dan Simulasi Evakuasi Virtual

HILMA TAMIAMI FACHRUDIN , RAHMI KAROLINA , RAHMI MEILINA SARI

2022

Kerjasama Luar Negeri dan Publikasi Internasional

Advokasi Pengurangan Penggunaan Plastik Di Lingkungan Tempat Tinggal Kita Dan Pemanfaatan Limbah Plastik Untuk Membuat Produk Yang Bernilai Tambah) (Advocacy Reduce Plastics In Environment And Utilization Plastics Litter For Added Value Products)

HILMA TAMIAMI FACHRUDIN , ARIF NURYAWAN

2019

Ipteks Bagi Masyarakat

Desa Kodon-Kodon Sebagai Desa Binaan Wisata di Kabupaten Karo Propinsi Sumatera utara

HILMA TAMIAMI FACHRUDIN , FIRMAN EDDY , WAHYU ABDILLAH , IMAM FAISAL PANE , KALSUM , NOVRIAL

2025

KAJIAN PENILAIAN KINERJA GEDUNG WARENHUIS SERTA PENGARUHNYA TERHADAP IKLIM MIKRO DALAM UPAYA MENUJU BANGUNAN HIJAU KEGIATAN PENELITIAN DAN PENGEMBANGAN BIDANG EKONOMI DAN PEMBANGUNAN SUB KEGIATAN PENELITIAN DAN PENGEMBANGAN PERUMAHAN DAN KAWASAN PERMUKIMAN TAHUN 2025

HILMA TAMIAMI FACHRUDIN

Intellectual Property Rights

2022

Paten nasional

BATA RINGAN BERBAHAN DASAR FLY ASH

2022

Hak cipta nasional

Pervious Concrete Sebagai Cover U - Ditch untuk Meminimalisir Genangan Air

HILMA TAMIAMI FACHRUDIN

2022

Hak cipta nasional

Perencanaan dan Desain Kota Hijau

HILMA TAMIAMI FACHRUDIN

2022

Hak cipta nasional

Swamp Residence: Permukiman Lahan Resapan Air Berkelanjutan Tahan Banjir Dan Mandiri Energi, Inovasi Lifted House And Swamp Building System

HILMA TAMIAMI FACHRUDIN

2022

Hak cipta nasional

Logo Kota Kita

HILMA TAMIAMI FACHRUDIN

2022

Hak cipta nasional

Pengujian Sifat Termal Material Menggunakan Differential Scanning Calorimetry (DSC)

AZHARI , Oki Handinata , Ilham Pangestu , Sally Irvina Ritonga , RAHMI KAROLINA , HILMA TAMIAMI FACHRUDIN

2022

Hak cipta nasional

Orion Advanced Fish Market: Konsep Revitalisasi Pasar Ikan Dengan Memanfaatkan Sumber Daya Pesisir Guna Mendukung Perekonomian Indonesia

ZUHERNI SYUHADA MUTHMAINNAH HUTABARAT , YUNISA SIANTURI , ADISTY AYU HAFIZAH , ADEK ZAHRAN ARAVI , MUHAMMAD HABIB RIVA RAMADHAN MATONDANG , HILMA TAMIAMI FACHRUDIN

2022

Hak cipta nasional

Eco-Smart and Sustainable Vertical Village: Relokasi Penduduk Bantaran Sungai Deli ke Dalam Satu Bangunan Green Berbasis IoT dan AI

HILMA TAMIAMI FACHRUDIN

2022

Hak cipta nasional

Penerapan Konsep Berkelanjutan, Adaptif, dan Fleksibel pada Desain Street Furniture

HILMA TAMIAMI FACHRUDIN

2022

Hak cipta nasional

Kampus Hijau

HILMA TAMIAMI FACHRUDIN

2022

Hak cipta nasional

Orion Advanced Fish Market: Konsep Revitalisasi Pasar Ikan Dengan Memanfaatkan Sumber Daya Pesisir Guna Mendukung Perekonomian Indonesia

HILMA TAMIAMI FACHRUDIN , ADEK ZAHRAN ARAVI , MUHAMMAD HABIB RIVA RAMADHAN MATONDANG , ADISTY AYU HAFIZAH , ZUHERNI SYUHADA MUTHMAINNAH HUTABARAT , YUNISA SIANTURI

2022

Hak cipta nasional

DESAIN STREETScape BERKELANJUTAN MENUJU Kota Hijau Bebas Emisi

HILMA TAMIAMI FACHRUDIN

2022

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Eco-Smart and Sustainable Vertical Village: Relokasi Penduduk Bantaran Sungai Deli ke Dalam Satu Bangunan Green Berbasis IoT dan AI

HILMA TAMIAMI FACHRUDIN

2022

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Bata Interlock Fly Ash (BIFA)

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2022

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Peningkatan Kesadaran Mitigasi Gempa untuk Anak-anak Melalui AR dan Simulasi Evakuasi Virtual

HILMA TAMIAMI FACHRUDIN

2022

Hak cipta nasional

AGRAPANA: Eco-Architecture Building Second Home For Nature As A Vertical Urban Forest For Urban Community

HILMA TAMIAMI FACHRUDIN

2022

Hak cipta nasional

Bangunan Hijau Prinsip dan Implementasinya

MOHAMMAD DOLOK LUBIS , HILMA TAMIAMI FACHRUDIN , YULESTA PUTRA

2022

Hak cipta nasional

UHPLC (Ultra High Performance Liquid Chromatography) : Teori dan Aplikasinya

NOVRIDA HARPAH HASIBUAN , HILMA TAMIAMI FACHRUDIN

2022

Hak cipta nasional

Maja Block City : Perencanaan Kota Tumbuh Berkelanjutan Dengan Ketahanan Bencana Dan Kemandirian Energi Bagi Kehidupan Di Masa Depan

HILMA TAMIAMI FACHRUDIN
