

Dr. Ir. Ar. Achmad Delianur Nasution, ST., MT., IAI., AA., IAP., GP.

Lecturer of Architect Professional Study Program Study Program
Faculty of Engineering
Universitas Sumatera Utara

✉ a.delianur@usu.ac.id

🏢 Room J07. 207 Building J07. Department of Architecture 2nd Floor - USU

🌐 ft.usu.ac.id/en/lecturer/achmad-delianur-nasution

Dr. Ar. Achmad Delianur Nasution, ST., MT., IAI., AA., IAP., GP was born in Medan on August 28, 1997. After graduating from SMA Negeri 1 Medan, he continued his education by obtaining a Bachelor's degree in Architecture from Universitas Sumatera Utara. He then pursued a Master's degree in Urban Design at Institut Teknologi Bandung and a Doctoral degree in the same field at University Sains Malaysia.

In addition to being actively involved as a teaching staff and researcher at the USU Faculty of Engineering Undergraduate Program in Architecture since 2000, he also practices as a certified professional architect at the national and ASEAN levels, holding the titles of IAI and AA. He is involved in the professional organization Ikatan Arsitek Indonesia (IAI) and previously served as the chairman of IAI Sumatera Utara Region for two terms.

Besides actively practicing as an architect, he is also frequently involved in teams for spatial planning and design and holds a certificate from Ikatan Ahli Perencana (IAP). As an architect, he has extensive experience in designing healthcare facilities and hospitals, a field of architectural design that demands high standardization, hence his possession of the Certificate of Ikatan Konsultan Kesehatan Indonesia (IKKESINDO). His experience in designing healthcare facilities led him to be trusted by the leadership of Universitas Sumatera Utara to become the Director of Facilities and Infrastructure and Supporting Services of Rumah Sakit Sumatera Utara from 2015 to the present.

Publications

2020

Jurnal nasional

Green Architecture Concept Application On USU Kwala Bekala Library

ACHMAD DELIANUR NASUTION , SHARFINA HANDININGTYAS

2024

Tulisan ilmiah

Community centre for sustainable communities in kampung kota: a literature review

WAHYUNI ZAHRAH , ACHMAD DELIANUR NASUTION , ANDA LUCIA

2022

Jurnal internasional bereputasi

IMPACT OF GENDER ON SELF-EFFICACY: EVIDENCE FROM INDONESIAâ€™S KARO TOURISM

N VINKY RAHMAN , NURLISA , ACHMAD DELIANUR NASUTION

2021

Jurnal nasional

PERSEPSI MASYARAKAT TERHADAP PERUBAHAN ATRIBUT FISIK PADA LAPANGAN MERDEKA MEDAN

ACHMAD DELIANUR NASUTION

2021

Prosiding seminar internasional

Particular Characters in Heritage Tourism to Attract Visitors: A comparative study in Sumatra, Indonesia

N VINKY RAHMAN , NURLISA , ACHMAD DELIANUR NASUTION

2018

Prosiding seminar internasional

Hospital Occupational Safety and Health Management System Based on Internet of Thing (IoT)

EKA LESTARI MAHYUNI , ACHMAD DELIANUR NASUTION

2022

Jurnal internasional

Evaluation of the Land Use Zoning Concept in the Detailed Spatial Plan for Medan City 2015-2035 (Case Study: Central Area of Medan City)

BENY OCTOFRYANA YOUSCA MARPAUNG , ACHMAD DELIANUR NASUTION

2021

Jurnal internasional bereputasi

GEOTOURISM DEVELOPMENT THROUGH THE PUBLIC FACILITIES IN GEOTRAIL BAKKARA, TOBA CALDERA GEOPARK

NURLISA , ACHMAD DELIANUR NASUTION , N VINKY RAHMAN

2022

Jurnal nasional terakreditasi

Economic Hotel And A Culinary Center Sustainable Architecture Approach

ACHMAD DELIANUR NASUTION

2021

Jurnal internasional

FASADE TYPOLOGY ANALYSIS, CASE STUDY KESAWAN STREET, INDONESIA

HILMA TAMIAMI FACHRUDIN , ACHMAD DELIANUR NASUTION

2024

Prosiding seminar internasional

Community centre for sustainable communities in kampung kota: a literature review

ANDA LUCIA , DICKY ANDREA SEMBIRING , ACHMAD DELIANUR NASUTION , WAHYUNI ZAHRAH

2022

Buku lainnya

IMPACT OF GENDER ON SELF-EFFICACY: EVIDENCE FROM INDONESIAâ€™S KARO TOURISM

ACHMAD DELIANUR NASUTION , NURLISA , N VINKY RAHMAN

2025

Artikel ilmiah

Environmental Responses on Local Architecture: A Comparative Study of West and East Coastal Settlements in North Sumatra

SELLY VERONICA , NURLISA , ACHMAD DELIANUR NASUTION

2021

Jurnal internasional

Particular Characters in Heritage Tourism to Attract Visitors: A comparative study in Sumatra, Indonesia

NURLISA , ACHMAD DELIANUR NASUTION , N VINKY RAHMAN

2019

Jurnal nasional

EVALUASI CAHAYA PADA RUANG RAWAT INAP PASIEN: STUDI KASUS RUMAH SAKIT UNIVERSITAS SUMATERA UTARA

ACHMAD DELIANUR NASUTION , IR. DWIRA NIRFALINI AULIA MSC PHD , TITI SANTI EVRIYANTA NAIBAHO

2014

Prosiding seminar internasional

Community Perception on Public Open Space and Quality of Life in Medan, Indonesia

ACHMAD DELIANUR NASUTION , WAHYUNI ZAHRAH

2018

Prosiding seminar internasional

Re-maintaining Authentic Place Identity through Continuity: Sipiso-Piso, North Sumatera

ACHMAD DELIANUR NASUTION , N VINKY RAHMAN , NURLISA

2018

Prosiding seminar internasional

Aspect Continuity to Restore Place Identity Of Sipiso-Piso, North Sumatera

N VINKY RAHMAN , ACHMAD DELIANUR NASUTION , NURLISA

2020

Jurnal nasional

Education and Training Centre At Science And Techno Park USU Kwala Bekala

ACHMAD DELIANUR NASUTION , SHAFIRA NAJWA PUTERI

2021

Monograf

Citra Ruang Terbuka Publik Di Pusat Kota

ACHMAD DELIANUR NASUTION

2010

Jurnal nasional

KAJIAN PREFERENSI BERMUKIM DI DAERAH PERBATASAN KOTA STUDI KASUS KELURAHAN GEDUNG JOHOR KECAMATAN MEDAN JOHOR KOTA MEDAN DAN DESA DELITUA KECAMATAN NAMORAMBE KABUPATEN DELISERDANG

ACHMAD DELIANUR NASUTION

2018

Makalah ilmiah

Ruang Kota Yang (Tidak) Mendidik: Persepsi dan Penggunaan Koridor Rumah Toko di Medan

WAHYUNI ZAHRAH , NOVI RAHMADHANI , ACHMAD DELIANUR NASUTION

2012

Prosiding seminar internasional

PUBLIC OPEN SPACE AND QUALITY OF LIFE MEDAN CASE STUDY

ACHMAD DELIANUR NASUTION

2023

Jurnal nasional terakreditasi

North Sumatera Athletes Hotel with Ecological Practices Implementation

ACHMAD DELIANUR NASUTION , JUNATI RIA CLAUDIA SIBUEA

2021

Jurnal nasional terakreditasi

Analysis of Slum Management Plan in East Area Covering Medan Area and Medan Denai District

ACHMAD DELIANUR NASUTION , AMY MARISA

2014

Makalah ilmiah

Community Perception on Public Open Space and Quality of Life in Medan, Indonesia

WAHYUNI ZAHRAH , ACHMAD DELIANUR NASUTION

2017

Prosiding seminar internasional

More Attractive More Identified: Distinctiveness In Embedding Place Identity

ACHMAD DELIANUR NASUTION , NURLISA , N VINKY RAHMAN

2022

Jurnal internasional bereputasi

IMPACT OF GENDER ON SELF-EFFICACY: EVIDENCE FROM INDONESIA'S KARO TOURISM

ACHMAD DELIANUR NASUTION , NURLISA , N VINKY RAHMAN

2013
Prosiding seminar internasional

Neighborhood Open Space and Quality of Life in Low-Income Settlement: Rahmadsyah Square Case Study, Medan, Indonesia

ACHMAD DELIANUR NASUTION

2012
Prosiding seminar internasional

Public Open Space Privatization and Quality of Life, Case Study Merdeka Square Medan

ACHMAD DELIANUR NASUTION , WAHYUNI ZAHRAH

2010
Jurnal nasional

PRIVATISASI RUANG TERBUKA PUBLIK

ACHMAD DELIANUR NASUTION

2017
Prosiding seminar internasional

Public Open Space as Urban Architecture: Design and Public Life

ACHMAD DELIANUR NASUTION , WAHYUNI ZAHRAH

2020
Artikel ilmiah

Land-use Planning for Geotourism Development in Bakara Caldera Toba, Indonesia

ACHMAD DELIANUR NASUTION

2017
Jurnal internasional

Improving Urban Corridor that Respect to Public Space

NOVI RAHMADHANI , ACHMAD DELIANUR NASUTION , WAHYUNI ZAHRAH , IMAM FAISAL PANE

2017
Prosiding seminar internasional

More attractive more identified: distinctiveness in embedding place identity

NURLISA , N VINKY RAHMAN , ACHMAD DELIANUR NASUTION

2024
Jurnal internasional

ANALYSIS OF RESIDENT'S PERCEPTION ABOUT THE CITY'S IMAGE SEI RANPAH

ACHMAD DELIANUR NASUTION , BENY OCTOFRYANA YOUSCA MARPAUNG

2018
Jurnal nasional

Transit Hotel in Transit Oriented Development Area

ACHMAD DELIANUR NASUTION , RONALDO IMMANUEL L

2017
Jurnal nasional terakreditasi

Traditional Market Design in Transit Oriented Development Area (TOD) in Pinang Baris

ACHMAD DELIANUR NASUTION , MEGA RATU PERTIWI

2019
Jurnal internasional bereputasi

ASPECTS OF SELF-ESTEEM IN THE TOURISM DEVELOPMENT IN KARO REGENCY, NORTH SUMATERA, INDONESIA

ACHMAD DELIANUR NASUTION , NURLISA , N VINKY RAHMAN

2024
Jurnal internasional bereputasi

Optimization of BIPV Utilization with Parametric Approach: Case Study on Nearly Zero Carbon Building Studio Design in Medan, Indonesia

YULI SETYO INDARTONO , ACHMAD DELIANUR NASUTION , DEWI LARASATI , HARRY KURNIAWAN , Arnott Ferels , Sarah Nadia

2015

Prosiding seminar internasional

Urban Design Guidelines For Shophouses: A Temperature Modification Approach

ACHMAD DELIANUR NASUTION , WAHYUNI ZAHRAH

2017

Prosiding seminar internasional

The Implementation of Aerotropolis Concept on New Town Planning and Design in Mebidangro, Sumatera Utara

DEVIN DEFRIZA HARISDANI , PUTRI PANDASARI NAPITUPULU , ACHMAD DELIANUR NASUTION

2015

Prosiding seminar internasional

The Space is Not Ours, the Life of Public Open Space in Gated Community in Medan, Indonesia

ACHMAD DELIANUR NASUTION , WAHYUNI ZAHRAH

2024

Jurnal internasional bereputasi

Optimization of BIPV Utilization with Parametric Approach: Case Study on Nearly Zero Carbon Building Studio Design in Medan, Indonesia

DEWI LARASATI , ACHMAD DELIANUR NASUTION , YULI SETYO INDARTONO , HARRY KURNIAWAN

2018

Jurnal internasional

Public open space as the only urban space for walking: Sumatera Utara experience

NURLISA , ACHMAD DELIANUR NASUTION , WAHYUNI ZAHRAH

2014

Prosiding seminar internasional

URBAN CLIMATE MODIFICATION IN COMMERCIAL AREAS IN MEDAN SHOP HOUSE CASE STUDY

ACHMAD DELIANUR NASUTION

2023

Jurnal internasional

Community Satisfaction Analysis Based on Physical Quality of Green Open Space in Takengon (Case Study: Taman Aman Dimot)

ACHMAD DELIANUR NASUTION , AMY MARISA

2025

Jurnal nasional terakreditasi

Friendly City, Friendly Urban Space: Public Open Space Integration to Urban Settlement

WAHYUNI ZAHRAH , ACHMAD DELIANUR NASUTION

2014

Jurnal internasional bereputasi

Livable Public Open Space for Citizen's Quality of Life in Medan, Indonesia

ACHMAD DELIANUR NASUTION

2025

Prosiding seminar internasional

Above-ground biomass and carbon stock of Bambusa sp. at various altitudes in North Sumatra

SAMSURI , APRI HERI ISWANTO , LUTHFI HAKIM , TITO SUCIPTO , EVALINA HERAWATI , RAHMI KAROLINA , ACHMAD DELIANUR NASUTION , Lee Seng Hua

2020

Jurnal internasional bereputasi

Hospital Health Provider Behavior in Waste Application Based on Occupational Safety and Health Analysis

ACHMAD DELIANUR NASUTION

2016
Makalah ilmiah

Public Life of Small Towns Public Open Spaces in North Sumatra Province

WAHYUNI ZAHRAH , ACHMAD DELIANUR NASUTION

2024
Prosiding seminar internasional

Accessibility of public open space and quality of life (QoL) during pandemic COVID-19 in Medan

ACHMAD DELIANUR NASUTION , WAHYUNI ZAHRAH , SELLY VERONICA

2018
Jurnal nasional

Bus Terminal Design in Transit Oriented Development Area (TOD) in Pinang Baris

ACHMAD DELIANUR NASUTION , ROCHMAD SIDDIHQIE

2015
Book chapter nasional

Manajemen Kota Beijing Yang Berkelanjutan

ACHMAD DELIANUR NASUTION

Researches

2018

Pengembangan Sistem Manajemen Keselamatan dan Kesehatan Kerja (SMK3) di Rumah Sakit USU Medan

ACHMAD DELIANUR NASUTION , EKA LESTARI MAHYUNI

2026
Kerjasama Luar Negeri dan Publikasi Internasional

Pengembangan Model asesmen identitas tempat pariwisata perkotaan berkelanjutan sebagai instrumen evaluasi berbasis kualitas hidup masyarakat

ACHMAD DELIANUR NASUTION , NURLISA , ANTHONI VEERY MARDIANTA , PEDIA ALDY , SELLY VERONICA , UTARI ARDHA DAMANIK , Assoc. Prof. Hoyoung Kim, Ph.d

2015
Penelitian Hibah Bersaing

MODEL PEDOMAN PERANCANGAN RUANG TERBUKA PUBLIK UNTUK MENINGKATKAN KUALITAS HIDUP

ACHMAD DELIANUR NASUTION

2014
Penelitian Hibah Bersaing

Model Rencana Tata Bangunan Dan Lingkungan Rumah Toko Untuk Memodifikasi Suhu Mi

ACHMAD DELIANUR NASUTION

2024
Penelitian Unggulan Perguruan Tinggi

Quality of Mosque Open Spaces and Quality of Life, Case Study of Urban-Scale Mosques in Medan and Kuching

ACHMAD DELIANUR NASUTION , WAHYUNI ZAHRAH , Professor Ar. Ts. Dr Julaihi Wahid

2013
Penelitian Hibah Bersaing

Model Rencana Tata Bangunan Dan Lingkungan Rumah Toko Untuk Memodifikasi Suhu Mi

ACHMAD DELIANUR NASUTION

2019

Penataan Kawasan Wisata Untuk Merealisasikan Konsep Geotrail Di Bakara, Humbang Hasundutan, Sumatera Utara

2020

Kajian Komparatif Elemen Distinctiveness Pada Pariwisata Heritage Di Medan, Bukit Tinggi dan Siak

ACHMAD DELIANUR NASUTION , NURLISA , N VINKY RAHMAN

2024

PRODUKTIVITAS BAMBU DAN KARAKTERISASI SIFAT DASAR BAMBU SUMATERA UTARA

ACHMAD DELIANUR NASUTION , SAMSURI , APRI HERI ISWANTO , TITO SUCIPTO , EVALINA HERAWATI , RAHMI KAROLINA , LUTHFI HAKIM

2022

KEPUASAN TERHADAP RUANG TERBUKA RUMAH SAKIT MITRA MEDIKA PREMIER MEDAN SEBAGAI HEALING GARDEN DENGAN TINJAUAN ASPEK AROMATIK

ACHMAD DELIANUR NASUTION

Community Services

2020

Ipteks Bagi Masyarakat

PENGEMBANGAN WISATA KAMPUNG LEMANG KELURAHAN MEKAR SENTOSA KECAMATAN RAMBUTAN TEBING TINGGI

MUHAMMAD AGUNG PUTRA HANDANA , ACHMAD DELIANUR NASUTION , WAHYUNI ZAHRAH , RAHMI KAROLINA

2022

Ipteks Bagi Kewirausahaan

Pengembangan Ekowisata Mangrove di Desa kampung Nelayan Kecamatan Medan Belawan, Kota Medan

MUHAMMAD AGUNG PUTRA HANDANA , ACHMAD DELIANUR NASUTION , EVA SYAHFITRI NASUTION , ARLINA NURBAITY LUBIS , ADRIAN HILMAN , PRIHATIN LUMBANRAJA , WENI HAWARIYUNI , RITHA F DALIMUNTHE , ONRIZAL , RAHMI KAROLINA , NOVITA ANGGRAINI , BEBY KENDIDA HASIBUAN , HAFIZAH ARINAH

2010

Menumbuhkan budaya Berkota bagi Ibu-Ibu Majelis Taklim Siti Aisyah Telkom Divre Sumatera Medan

ACHMAD DELIANUR NASUTION , NURLISA , WAHYUNI ZAHRAH , IR. DWIRA NIRFALINI AULIA MSC PHD , R LISA SURYANI , BENY OCTOFRYANA YOUSCA MARPAUNG

2020

Penerapan Teknologi Biopori Sebagai Alternatif Pengelolaan Banjir di Lingkungan Jl. Prof. T. Zulkarnain Kota Medan

ACHMAD DELIANUR NASUTION , NURLISA , TERANG U H SOLIHIN G M , BENY OCTOFRYANA YOUSCA MARPAUNG

2022

Penetapan Tenaga Ahli Kegiatan Penyusunan Masterplan dan Siteplan Desa Wisata Pangambatan di Kabupaten Karo dan Ekowisata Girsang di Kabupaten Simalungun di Destinasi Pariwisata Super Prioritas (DSP) Danau Toba pada Direktorat Pengembangan Destinasi I

ACHMAD DELIANUR NASUTION , NURLISA , ANTHONI VEERY MARDIANTA

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

2025

Perencanaan Kawasan Wisata Sionggang Eco Park: Destinasi Agrowisata,

Edukasi, dan Glamping Berkelanjutan di Desa Sionggang Utara, Kecamatan Lumbanjulu Kabupaten Toba, Provinsi Sumatera Utara

ACHMAD DELIANUR NASUTION , NURLISA , DICKY ANDREA SEMBIRING , WAHYUNI ZAHRAH , ANNISA AULIA RAHMAH , RIZKY HANDAYANI ZUFRI , ARINI SIHOTANG , VIORY HIZKIA HUTAURUK , NABILA ANISYA SHELLY , HANIFAH AMALIA SAUSAN , ESTER SURYANI ZALUKHU

2022

Pemberdayaan Masyarakat Dalam Implementasi Arsitektur Kota di Kawasan Maimun Medan

ACHMAD DELIANUR NASUTION , NURLISA , WAHYUNI ZAHRAH

2020

Ipteks Bagi Masyarakat

DESA NELAYAN PELOPOR EKOWISATA BERKELANJUTAN DAN PENCETAK ATLIT DAYUNG

ACHMAD DELIANUR NASUTION , PRIHATIN LUMBANRAJA , PINDI PATANA , ZULHAM APANDY HARAHAP

2022

Penugasan UPT Provinsi oleh Dewan Arsitek Indonesia sebagai Assessor di Sumatera Utara

ACHMAD DELIANUR NASUTION

2024

TENAGA AHLI PADA TIM PELAKSANA PEKERJAAN FASILITASI PENYUSUNAN PERENCANAAN DAYA TARIK WISATA (MASTER PLAN) DI KABUPATEN TOBA

ACHMAD DELIANUR NASUTION , NURLISA , DICKY ANDREA SEMBIRING , ANTHONI VEERY MARDIANTA , WAHYUNI ZAHRAH

Intellectual Property Rights

2015

Hak cipta nasional

Model Perancangan Pusat Komunitas Kampung Kota di Medan, Indonesia

WAHYUNI ZAHRAH , ACHMAD DELIANUR NASUTION