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

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

ft.usu.ac.id/en/lecturer/achmad-delianur-nst

Dr. Ir. Ar. Achmad Delianur Nasution, S.T., M.T., IAI, AA, IAP, GP, IPU was born in Medan on August 28, 1973. 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

2026
Jurnal internasional bereputasi

Reimagining the Sahn: Open Spaces and Universal Design Principles for Generation Z Inclusive Mosques

WAHYUNI ZAHRAH , Tri Febrianne Dhiyanthi , Nangkula Utaberta , Shafira Imanina , ACHMAD DELIANUR NASUTION

2026
Jurnal internasional bereputasi

ANALYSIS OF TRANS MEBIDANG BUS SERVICE QUALITY AND PUBLIC SATISFACTION LEVEL

YUSUF AULIA LUBIS , 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

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

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

2024
Tulisan ilmiah

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

WAHYUNI ZAHRAH , ACHMAD DELIANUR NASUTION , ANDA LUCIA

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

2023
Jurnal nasional terakreditasi

North Sumatera Athletes Hotel with Ecological Practices Implementation

ACHMAD DELIANUR NASUTION , JUNATI RIA CLAUDIA SIBUEA

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

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

2021
Jurnal nasional terakreditasi

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

ACHMAD DELIANUR NASUTION , AMY MARISA

2021
Jurnal nasional

PERSEPSI MASYARAKAT TERHADAP PERUBAHAN ATRIBUT FISIK PADA LAPANGAN MERDEKA MEDAN

ACHMAD DELIANUR NASUTION

2021
Monograf

Citra Ruang Terbuka Publik Di Pusat Kota

ACHMAD DELIANUR NASUTION

2020
Jurnal internasional bereputasi

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

ACHMAD DELIANUR NASUTION

2020
Artikel ilmiah

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

ACHMAD DELIANUR NASUTION

2020

Jurnal nasional

Green Architecture Concept Application On USU Kwala Bekala Library

ACHMAD DELIANUR NASUTION , SHARFINA HANDININGTYAS

2020
Jurnal nasional

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

ACHMAD DELIANUR NASUTION , SHAFIRA NAJWA PUTERI

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

2018
Prosiding seminar internasional

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

EKA LESTARI MAHYUNI , ACHMAD DELIANUR NASUTION

2018
Jurnal nasional

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

ACHMAD DELIANUR NASUTION , ROCHMAD SIDDHIQIE

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

2017
Prosiding seminar internasional

Public Open Space as Urban Architecture: Design and Public Life

ACHMAD DELIANUR NASUTION , WAHYUNI ZAHRAH

2016
Makalah ilmiah

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

WAHYUNI ZAHRAH , 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

2015
Prosiding seminar internasional

Urban Design Guidelines For Shophouses: A Temperature Modification Approach

ACHMAD DELIANUR NASUTION , WAHYUNI ZAHRAH

2015
Book chapter nasional

Manajemen Kota Beijing Yang Berkelanjutan

ACHMAD DELIANUR NASUTION

2014
Prosiding seminar internasional

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

ACHMAD DELIANUR NASUTION

2014
Makalah ilmiah

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

WAHYUNI ZAHRAH , ACHMAD DELIANUR NASUTION

2014
Prosiding seminar internasional

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

ACHMAD DELIANUR NASUTION , WAHYUNI ZAHRAH

2014
Jurnal internasional bereputasi

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

ACHMAD DELIANUR NASUTION

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

2012
Prosiding seminar internasional

PUBLIC OPEN SPACE AND QUALITY OF LIFE MEDAN CASE STUDY

ACHMAD DELIANUR NASUTION

2010
Jurnal nasional

PRIVATISASI RUANG TERBUKA PUBLIK

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

Researches

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

2022

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

ACHMAD DELIANUR NASUTION

2018

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

ACHMAD DELIANUR NASUTION , EKA LESTARI MAHYUNI

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

2013

Penelitian Hibah Bersaing

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

ACHMAD DELIANUR NASUTION

Community Services

2022

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

ACHMAD DELIANUR NASUTION

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

Intellectual Property Rights

2024

Hak cipta nasional

Model Perancangan Pusat Komunitas Kampung Kota di Medan, Indonesia

WAHYUNI ZAHRAH , ACHMAD DELIANUR NASUTION