Dr. Ar. Wahyuni Zahrah, S.T., MS., IAI

Lecturer of Undergraduate Program in Architecture Study Program
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Wahyuni Zahrah, born in Tebing Tinggi on August 19, 1973, completed her doctoral program at Universitas Sumatera Utara in 2021. Currently, she teaches architecture and anthropology, ecological architecture, and the architectural design studio for multi-mass and wide-span buildings. Interested and majoring in the field of architecture, culture, and behavior. Her research is related to cultural and behavioral aspects of urban design, including public open spaces, city corridors, and shophouses.

Publications

2026
Jurnal nasional terakreditasi

Material Characteristics and Adoption Challenges Affecting Intention to Use Engineered Wood for Housing: The Role of Ecological Perception

DEWI LARASATI , RAKHMAT FITRANTO ADITRA , WAHYUNI ZAHRAH , HAFSHAH SALAMAH

2026
Koran/majalah populer/majalah umum

Mengurangi Pengalaman Stres Tinggal di Kota

RODIATUL HASANAH SIREGAR , WAHYUNI ZAHRAH , RIDHOI MEILONA PURBA

2024
Jurnal nasional terakreditasi

Application of The Green Building Concept in Children's Libraries

WAHYUNI ZAHRAH , MARSELLA VANNESA

2024
Jurnal nasional terakreditasi

Eksplorasi Aspek-aspek Perancangan Fasilitas Pendidikan Anak Usia Dini yang Menerapkan Metode Montessori

BILQIS TSURAYYA , WAHYUNI ZAHRAH

2024
Jurnal internasional

Study of Residents' Lifestyles Viewed from the Perspective of Millennial Generation Residential Preferences in Medan Johor District Housing

WAHYUNI ZAHRAH , IR. DWIRA NIRFALINI AULIA MSC PHD

2024
Jurnal nasional

Perancangan Youth Center di Tebing Tinggi dengan Pendekatan Arsitektur Metafora

WAHYUNI ZAHRAH , DWI ANNISA

2024
Jurnal nasional

Kajian Aspek-Aspek Perancangan Creative Hub di Kabupaten Asahan

Nur Arba’atun Tsaniyah , WAHYUNI ZAHRAH

2024
Jurnal nasional terakreditasi

Arsitektur Eco-Friendly pada Perancangan Pasar Tradisional di Kota Medan

WAHYUNI ZAHRAH

2024
Jurnal internasional bereputasi

EXPLORING GOOD ISLAMIC DESIGN ATTRIBUTES THROUGH THE LENS OF ASMA-UL-HUSNA: TOWARDS A UNIVERSALLY UNDERSTOOD GOOD DESIGN EVALUATION FRAMEWORK

WAHYUNI ZAHRAH

2024
Jurnal internasional bereputasi

EXPLORING GOOD ISLAMIC DESIGN ATTRIBUTES THROUGH THE LENS OF ASMA-UL-HUSNA: TOWARDS A UNIVERSALLY UNDERSTOOD GOOD DESIGN EVALUATION FRAMEWORK

WAHYUNI ZAHRAH

2023
Jurnal nasional terakreditasi

The Concept of Healthy Building with Green Open Space Integration on Condominium Design in Medan

WAHYUNI ZAHRAH

2022
Jurnal internasional

The Study of Ergonomic Kitchen Design in Malaysian Low-Cost Housing

WAHYUNI ZAHRAH

2022
Jurnal internasional

Impact of Physical Learning Environment Towards Studentsâ€™ Satisfaction Level at Taylorâ€™s University

WAHYUNI ZAHRAH

2021
Jurnal internasional

The application of housing land-use patterns to achieve low CO2 emission in Medan City

WAHYUNI ZAHRAH

2021
Jurnal internasional bereputasi

Shop as home : The meaning of built environment to quality of life of shop houses residents in medan, indonesia

WAHYUNI ZAHRAH

2021
Jurnal internasional

Thermal Comfort in Living Room of Houses with Different Frontage

WAHYUNI ZAHRAH

2020
Jurnal internasional

The Influence of Social Media on Use in Public Space (Case Study of Lapangan Merdeka Medan)

WAHYUNI ZAHRAH , MUHAMMAD NAWAWIY LOEBIS

2020
Makalah ilmiah

Perception and Utilization of Urban Corridor as Public Space in Medan, Indonesia

WAHYUNI ZAHRAH

2020
Makalah ilmiah

Community perception and adaptation about living in shop house in Medan,

Indonesia

WAHYUNI ZAHRAH

2019
Jurnal nasional terakreditasi

Hotel Resort Approach to Cultural Value and The Principle of Local Architecture in Pangururan, Samosir.

WAHYUNI ZAHRAH

2019
Jurnal internasional

Street Vending in Urban Street Corridor in Medan, Indonesia: Potency or Problem?

WAHYUNI ZAHRAH

2019
Makalah ilmiah

Community-responsive Design Guidelines for Urban Street Corridor in Medan, Indonesia: Some preliminary ideas

WAHYUNI ZAHRAH

2019
Jurnal internasional

The Design Museum of Mount Sinabung with Neo-Vernacular Architecture Approach

WAHYUNI ZAHRAH

2019
Jurnal nasional terakreditasi

The Design Karo Cultural Centre with Neo-Vernacular Architecture Approach

WAHYUNI ZAHRAH

2019
Makalah ilmiah

Typology of livable waterfront settlement and how to manage the community.

WAHYUNI ZAHRAH

2019
Makalah ilmiah

Environmental Vitality Study on Shophouse Area. Case study: Asia Mega Mas Shophouse Area, Medan

WAHYUNI ZAHRAH

2018
Jurnal internasional

Utilization of Shop House Corridor in Medan

WAHYUNI ZAHRAH

2018
Jurnal nasional terakreditasi

Reconstruction and Development of Tourism Potentials in the Fishermenâ€™s District Village of Medan Belawan

WAHYUNI ZAHRAH

2018
Jurnal internasional

The Process of Shaping Place in Residential Area Towards Livable Neighbourhood

WAHYUNI ZAHRAH

2018
Jurnal internasional

Quality of Life: Public open space effects

WAHYUNI ZAHRAH

2018

Jurnal internasional

Public Open Space in Sumatera Utara, Indonesia: Potency, problem and design idea

WAHYUNI ZAHRAH

2018
Jurnal internasional

Walking behavior on Lapangan Merdeka district in Medan city

WAHYUNI ZAHRAH

2018
Makalah ilmiah

The spatial comfort study of shophouse at Kampung Madras

WAHYUNI ZAHRAH

2018
Jurnal nasional terakreditasi

Design of Vertical Village in Pantai Burung Village Medan City (Ecology Architecture)

WAHYUNI ZAHRAH

2018
Makalah ilmiah

KAJIAN KUALITAS KORIDOR JALAN BERDASARKAN KENYAMANAN MASYARAKAT DI JALUR PEDESTRIAN KOTA

WAHYUNI ZAHRAH

2018
Jurnal nasional terakreditasi

THE TRADING SPACE IN INPRES MARKET OF LHOKSEUMAWE CITY (STUDY OF BEHAVIOUR ASPECT)

WAHYUNI ZAHRAH

2017
Jurnal nasional terakreditasi

Medan The Vertical Village Design In Kelurahan Aur (With Ecology Architecture Design Approach)

WAHYUNI ZAHRAH

2017
Jurnal internasional

Architecture and Monumental (Study About form in Architecture)

WAHYUNI ZAHRAH

2017
Jurnal internasional

Privately-Owned Public Space for Public Use

WAHYUNI ZAHRAH

2017
Makalah ilmiah

Public open space as urban architecture: Design and public life

WAHYUNI ZAHRAH

2017
Jurnal internasional

Public open spaceâ€™s contribution to quality of life: does privatisation matters?

WAHYUNI ZAHRAH

2017
Makalah ilmiah

Place Shaping in Residential Area as a Process of Increasing Livable Neighbourhood

WAHYUNI ZAHRAH

2017
Jurnal internasional

Public Open Spaces in North Sumatra Province

WAHYUNI ZAHRAH

2017
Makalah ilmiah

Exploring Ideas in Formulating Urban Design Guidelines for Public Open Space in Sumatra Utara, Indonesia

WAHYUNI ZAHRAH

2017
Prosiding seminar internasional

Place Shaping in Residential Area as a Process of Increasing Livable Neighbourhood

IR. DWIRA NIRFALINI AULIA MSC PHD , WAHYUNI ZAHRAH , BENY OCTOFRYANA YOUSCA MARPAUNG

2017
Makalah ilmiah

THE TRADING SPACE IN INPRES MARKET OF LHOKSEUMAWE CITY (STUDY OF BEHAVIOUR ASPECT)

WAHYUNI ZAHRAH

2016
Prosiding seminar nasional

Perencanaan Berbasis Partisipasi dalam Rangka Mencapai Pembangunan Kampung yang Layak Huni

BENY OCTOFRYANA YOUSCA MARPAUNG , WAHYUNI ZAHRAH , IR. DWIRA NIRFALINI AULIA MSC PHD

2016
Prosiding seminar nasional

Konsep komunitas layak huni pada ruang publik perumahan Taman Setia Budi Indah, Medan

WAHYUNI ZAHRAH , BENY OCTOFRYANA YOUSCA MARPAUNG , IR. DWIRA NIRFALINI AULIA MSC PHD

2016
Makalah ilmiah

Koridor Ruang Kota Layak Huni: Budaya â€œMerampasâ€ Ruang Publik ?

WAHYUNI ZAHRAH , BENY OCTOFRYANA YOUSCA MARPAUNG , IR. DWIRA NIRFALINI AULIA MSC PHD

2016
Jurnal internasional

People and Urban Space in Medan: An environment behaviour approach

WAHYUNI ZAHRAH

2015
Makalah ilmiah

The Space is not ours, the life of public open space in gated community in Medan, Indonesia

WAHYUNI ZAHRAH

2015
Makalah ilmiah

Urban design guidelines for shophouses: a temperature modification approach

WAHYUNI ZAHRAH

2014
Makalah ilmiah

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

WAHYUNI ZAHRAH

2012
Jurnal internasional

Public open spaceâ€™s contribution to quality of life: does privatisation matters?/Achmad Delianur Nasution and Wahyuni Zahrah

WAHYUNI ZAHRAH

2012
Makalah ilmiah

Public open space privatization and quality of life, case study Merdeka Square Medan

WAHYUNI ZAHRAH

2012
Makalah ilmiah

Neighborhood open space and quality of life in low-income settlement: Rahmadsyah Square case study, medan, Indonesia

WAHYUNI ZAHRAH

2010
Jurnal nasional terakreditasi

Tata Hijau Kota: Antara Fungsi dan Estetika

WAHYUNI ZAHRAH

Researches

2024
Penelitian Tim Pasca Sarjana

Faktor-Faktor Pemilihan Hunian Generasi Milenial dan Adaptasi sebagai Resiliensi Bermukim di Kota Medan

WAHYUNI ZAHRAH , IR. DWIRA NIRFALINI AULIA MSC PHD

Community Services

2025

Penyusunan Proposal Pendirian Fakultas Arsitektur, Desain dan Perencanaan Universitas Sumatera Utara (FADP USU)

MASITA HANJAYANI , WAHYUNI ZAHRAH

2025
Ipteks Bagi Masyarakat

Keterlibatan Kelompok Referensi Dalam Aktivitas Fisik Berbasis Lingkungan Sebagai Upaya Lanjutan Mewujudkan Lingkungan Sehat Mental Di Kelurahan Sunggal, Kecamatan Medan Sunggal

WAHYUNI ZAHRAH , RODIATUL HASANAH SIREGAR , RIDHOI MEILONA PURBA

2025
Penelitian Dana Lokal Perguruan Tinggi

Keterlibatan Kelompok Referensi Dalam Aktivitas Fisik Berbasis Lingkungan Sebagai Upaya Lanjutan Mewujudkan Lingkungan Sehat Mental di Kelurahan Sunggal, Kecamatan Medan Sunggal

WAHYUNI ZAHRAH

2025

Akreditasi Internasional KAAB (Korean Architectural Accrediting Board)

MASITA HANJAYANI , WAHYUNI ZAHRAH

2023
Ipteks Bagi Masyarakat

Peningkatan Psychological Well Being Penghuni Rusunawa Amplas Melalui Kenyamanan Ruang Terbuka Hijau

ARLIZA JUAIRIANI LUBIS , WAHYUNI ZAHRAH , RODIATUL HASANAH SIREGAR , RIDHOI MEILONA PURBA , MIFTAH AR-RIZQIYAH SIREGAR , YUMNA AZAHRAH BATUBARA , HAZIQATUZIKRA , SRI NINTA FEBRIYANA AGATA

Intellectual Property Rights

2024
Hak cipta nasional
Master Plan Kampung Susun Dusun IV Desa Helvetia Kabupaten Deli Serdang
WAHYUNI ZAHRAH

2024
Hak cipta nasional
Video Animasi - Master Plan Kampung Susun Dusun IV Desa Helvetia Kabupaten Deli Serdang
WAHYUNI ZAHRAH

2024
Hak cipta nasional
Video Animasi - Master Plan Little Nias Eco Living Dusun IV, Tanjung Gusta, Kecamatan Sunggal, Kab. Deli Serdang, Sumatera Utara
WAHYUNI ZAHRAH

2024
Hak cipta nasional
Master Plan Little Nias Eco Living Dusun IV, Tanjung Gusta, Kecamatan Sunggal, Kab. Deli Serdang, Sumatera Utara
WAHYUNI ZAHRAH

2022
Hak cipta nasional
Bahan Ajar Arsitektur Ekologi
WAHYUNI ZAHRAH

2022
Hak cipta nasional
MAKNA LINGKUNGAN BINAAN DAN KUALITAS HIDUP PENGHUNI RUMAH TOKO DI MEDAN, INDONESIA
WAHYUNI ZAHRAH