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Aya Maharani is a lecturer at the Undergraduate Program in Architecture, Faculty of Engineering, Universitas Sumatera Utara. She holds a Master of Architecture (M.Arch) from RMIT University Melbourne, Australia, and has an excellent professional education background. Currently, she teaches and manages Studio Ruang Tetu, an architecture firm.

Publications

2024
Prosiding seminar internasional

The Impact of Orientation on Energy Use in Affordable Housing in Humid Tropical Climate Area

DICKY ANDREA SEMBIRING , AGUS JHONSON HAMONANGAN SITORUS , AYA MAHARANI

2022
Prosiding seminar internasional

Missing Guidelines? Study of Mosque Architecture in Medan City, Indonesia

NOVI RAHMADHANI , AYA MAHARANI , WAHYUNI ZAHRAH

2020
Prosiding seminar internasional

"Aur Market Place" - Activator and Interaction Space to Support and Living Up Tourism of Kelurahan Aur

AYA MAHARANI , PATRICIA KAMAJAYA

2018
Prosiding seminar internasional

Inclusive city: Vallcarca - Space extension idea for social and urban housing

AYA MAHARANI

Researches

2023

PENGARUH ORIENTASI BANGUNAN DAN BUKAAN TERHADAP PENGGUNAAN ENERGI PADA BANGUNAN RUMAH TINGGAL SEDERHANA (SIMULASI DENGAN SEFAIRA PADA DAERAH BERIKLIM TROPIS LEMBAB)

DICKY ANDREA SEMBIRING , AYA MAHARANI , AGUS JHONSON HAMONANGAN SITORUS

2023
Penelitian Dana Lokal Perguruan Tinggi

Pengaruh Perkembangan Ojek Online terhadap Sirkulasi dan Layout Desain. (Studi Kasus : Restaurant Cepat Saji di Kota Medan)

GINA CYNTHIA RAPHITA HASIBUAN , DICKY ANDREA SEMBIRING , AYA MAHARANI

2022
Ipteks Bagi Masyarakat

Missing Guidelines? Study of Mosque Architecture in Medan City, Indonesia

AYA MAHARANI , WAHYUNI ZAHRAH , NOVI RAHMADHANI

2022

Penelitian Dosen Pemula

OPTIMALISASI PENCAHAYAAN ALAMI DENGAN KINETIC SHADING Studi Pada Perumahan Masyarakat Berpenghasilan Rendah di Kabupaten Deli Serdang

DICKY ANDREA SEMBIRING , AYA MAHARANI , RYANDIKA AFDILA

Community Services

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

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

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

2022

Ipteks Bagi Masyarakat

PENGENALAN PROFESI ARSITEK UNTUK ANAK USIA DINI DI TAMAN KANAK-KANAK MACAN BERMAIN DALAM KEGIATAN JELAJAH SEKAWAN

GINA CYNTHIA RAPHITA HASIBUAN , DICKY ANDREA SEMBIRING , AYA MAHARANI

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