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

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Publications

2026
Jurnal internasional bereputasi

Tropical coastal facade design in high-rise hospitality architecture: an analysis of the Penang Island hotels

Muhammad Hafeez Abdul Nasir , HILMA TAMIAMI FACHRUDIN

2026
Prosiding seminar internasional

Impact of Green Building Principles in Public Facilities towards Indoor Air Pollution

HILMA TAMIAMI FACHRUDIN

2026
Buku referensi

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

HILMA TAMIAMI FACHRUDIN

2025
Prosiding seminar internasional

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

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Jurnal nasional terakreditasi

Sustainable Conservation of Malay Traditional Architecture East Sumatera Indonesia

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Jurnal internasional bereputasi

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

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Jurnal nasional terakreditasi

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

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Apartemen sebagai Bangunan Vertikal dengan Pendekatan Bioklimatik

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Healing Environment Approach on Wellness Center Design Toward Sustainable Development

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2025
Prosiding seminar nasional

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

HILMA TAMIAMI FACHRUDIN

2025
Buku referensi

DESAIN STREETSCAPE BERKELANJUTAN MENUJU KOTA HIJAU BEBAS EMISI

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

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Jurnal internasional

FAKTOR YANG MEMPENGARUHI TINGKAT KAPITALISASI PROPERTI GUDANG MILIK PT.KIM

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

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Analisis Perbandingan Pusat Kreativitas UMKM dengan Penerapan Arsitektur Metafora

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Jurnal internasional

Analysis of Rental Value of Shop Houses in Kecamatan Medan Petisah

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

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

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Kajian Penerapan Arsitektur Hijau pada Perancangan Sekolah Alam

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

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

HILMA TAMIAMI FACHRUDIN , Franky Parulian Simanjuntak

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

Siti Hajar Binti Misnan , HILMA TAMIAMI FACHRUDIN

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

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

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Batik Jambi Cultural Center with An Ecological Architecture Approach

ANNISA FAADHILAH HARAHAP , 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)

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Buku referensi

Perencanaan dan Desain Kota Hijau

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Comparison of Indoor Environmental Quality Principle Based on Rating System from Various Countries: A Literature Review

KHAIRA AMALIA FACHRUDDIN , HILMA TAMIAMI FACHRUDIN

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

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

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Adaptive Workplace with Indoor Health and Comfort Approach Toward Sustainable City

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

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ANALYSIS OF FACTORS AFFECTING THE MARKET VALUE OF RESIDENTIAL HOUSES IN THE CITRALAND GAMA CITY COMPLEX

KHAIRA AMALIA FACHRUDDIN , HILMA TAMIAMI FACHRUDIN

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

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Pendekatan Arsitektur Hijau Pada Gedung Perkantoran

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

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

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

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

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

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Factors Influencing Energy Conservation Application in Green Campus Design Based on Green Behavior

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

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Jurnal internasional bereputasi

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

ELISABET SIAHAAN , KHAIRA AMALIA FACHRUDDIN , HILMA TAMIAMI FACHRUDIN

2021
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Analisis transformasi ruang hunian program rumah subsidi pemerintah

IR. DWIRA NIRFALINI AULIA MSC PHD , HILMA TAMIAMI FACHRUDIN

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

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

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Floating resort planning in Tano Ponggol with water conservation approach

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

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Green architecture approach in waste management building design concept

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Science and culture centre concept with energy-saving architecture approach

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2020
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Considerations for Integrating Sustainable Attributes into Property Valuation

ELISABET SIAHAAN , KHAIRA AMALIA FACHRUDDIN , HILMA TAMIAMI FACHRUDIN

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Prosiding seminar internasional

The Role of Semiotics in Reviewing Architecture

IMAM FAISAL PANE , HILMA TAMIAMI FACHRUDIN

2020
Prosiding seminar internasional

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

KHAIRA AMALIA FACHRUDDIN , 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

2020
Prosiding seminar internasional

Analysis of Physical Factors and Housing Reputation Effect to Property Value in Citra Wisata Residence

KHAIRA AMALIA FACHRUDDIN , HILMA TAMIAMI FACHRUDIN

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

HILMA TAMIAMI FACHRUDIN , IMAM FAISAL PANE

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Prosiding seminar internasional

Considerations for Integrating Sustainable Attributes into Property Valuation

ELISABET SIAHAAN , KHAIRA AMALIA FACHRUDDIN , HILMA TAMIAMI FACHRUDIN

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Green Campus Concept Based On Architect Perspective

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Changes of Form of Malay Traditional Houses in Medan and Surroundings

HILMA TAMIAMI FACHRUDIN , IMAM FAISAL PANE

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

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HILMA TAMIAMI FACHRUDIN

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Genius Loci In Aceh Utara Contemporary Architecture

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2020
Jurnal internasional

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

HILMA TAMIAMI FACHRUDIN , IMAM FAISAL PANE

2020
Buku referensi

Kampus Hijau

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

2019
Jurnal nasional terakreditasi

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

HILMA TAMIAMI FACHRUDIN

2019
Jurnal internasional bereputasi

Education Activities to Realize Green Campus

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

2018
Prosiding seminar internasional

Can activity support influence image of a street?

HILMA TAMIAMI FACHRUDIN

2018
Prosiding seminar internasional

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

HILMA TAMIAMI FACHRUDIN , KHAIRA AMALIA FACHRUDDIN

2026
Buku referensi

Penilaian Perkebunan Kelapa Sawit

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

HILMA TAMIAMI FACHRUDIN

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

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
Kerjasama Luar Negeri dan Publikasi Internasional

PUI Bangunan Hijau dan Kualitas Lingkungan Perkotaan

HILMA TAMIAMI FACHRUDIN

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

2023
Kerjasama Luar Negeri dan Publikasi Internasional

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

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2023
Penelitian Dana Lokal Perguruan Tinggi

Kluster Keilmuan Bangunan Hijau Untuk Mewujudkan Kualitas Lingkungan Perkotaan

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2022
Penelitian Dana Lokal Perguruan Tinggi

Mewujudkan Kota Hijau Melalui Penerapan Prinsip Desain Perkotaan Dan Green Behavior Pada Generasi Millennial Dan Generasi Z

HILMA TAMIAMI FACHRUDIN , KHAIRA AMALIA FACHRUDDIN , RAHMI KAROLINA , MICO ADRIEL PARAPAT , DZAKI MUZHAFFAR FARIIS , HAZARINA AZWA

2021
Penelitian Dana Lokal Perguruan Tinggi

MENEMUKENALI ARSITEKTUR NIUWE BOWEN DI KOTA MEDAN

HILMA TAMIAMI FACHRUDIN , IMAM FAISAL PANE

2021
Penelitian Dana Lokal Perguruan Tinggi

Model Desain Ruang Kerja dengan Penerapan Konsep Hijau Sebagai Arsitektur Adaptif di Masa Pandemic Covid 19

HILMA TAMIAMI FACHRUDIN , KHAIRA AMALIA FACHRUDDIN , IMAM FAISAL PANE

2020
Penelitian Dana Lokal Perguruan Tinggi

Model Desain Green Campus Berdasarkan Perilaku Hijau Pada Prinsip Konservasi Energi

HILMA TAMIAMI FACHRUDIN , KHAIRA AMALIA FACHRUDDIN

2015
Penelitian Hibah Bersaing

KAJIAN MANAJEMEN INVESTASI DAN DESAIN PROPERTI BERKELANJUTAN

HILMA TAMIAMI FACHRUDIN , KHAIRA AMALIA FACHRUDDIN

Community Services

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

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

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

2021

Pembuatan Kamar Mandi di Ekowisata Mangrove Kampung Nelayan Seberang

HILMA TAMIAMI FACHRUDIN , RAHMI KAROLINA , BEBY KENDIDA HASIBUAN

2018
Penelitian Dana Lokal Perguruan Tinggi

Optimalisasi Pendapatan Asli Daerah Melalui Peningkatan Efektivitas Kegiatan Updating Data dan Penilaian Objek Pajak Bumi dan Bangunan Kota Medan

ELISABET SIAHAAN , HILMA TAMIAMI FACHRUDIN , KHAIRA AMALIA FACHRUDDIN

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Bata Interlock Fly Ash (BIFA)

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

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Khaira's FinLit Go

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DESAIN STREETSCAPE BERKELANJUTAN MENUJU KOTA HIJAU BEBAS EMISI

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Logo Kota Kita

HILMA TAMIAMI FACHRUDIN

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Logo Kota Kita

KHAIRA AMALIA FACHRUDDIN , HILMA TAMIAMI FACHRUDIN

2024
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

2024
Hak cipta nasional

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

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

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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

2024
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

2023
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

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Perencanaan dan Desain Kota Hijau

HILMA TAMIAMI FACHRUDIN

2023
Hak cipta nasional

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

HILMA TAMIAMI FACHRUDIN

2023
Hak cipta nasional

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

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Paten nasional

BATA RINGAN BERBAHAN DASAR FLY ASH

HILMA TAMIAMI FACHRUDIN

2020
Hak cipta nasional

Kampus Hijau

HILMA TAMIAMI FACHRUDIN