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Lecturer of Architect Professional Study Program Study Program  
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*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.*

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## Publications

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2020

Jurnal nasional

### **Green Architecture Concept Application On USU Kwala Bekala Library**

ACHMAD DELIANUR NASUTION , SHARFINA HANDININGTYAS

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2024

Tulisan ilmiah

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

WAHYUNI ZAHRAH , ACHMAD DELIANUR NASUTION , ANDA LUCIA

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2022

Jurnal internasional bereputasi

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

N VINKY RAHMAN , NURLISA , ACHMAD DELIANUR NASUTION

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2021

Jurnal nasional

### **PERSEPSI MASYARAKAT TERHADAP PERUBAHAN ATRIBUT FISIK PADA LAPANGAN MERDEKA MEDAN**

ACHMAD DELIANUR NASUTION

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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

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2018

Prosiding seminar internasional

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

EKA LESTARI MAHYUNI , ACHMAD DELIANUR NASUTION

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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

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2021

Jurnal internasional bereputasi

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

NURLISA , ACHMAD DELIANUR NASUTION , N VINKY RAHMAN

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2022

Jurnal nasional terakreditasi

**Economic Hotel And A Culinary Center Sustainable Architecture Approach**

ACHMAD DELIANUR NASUTION

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2021

Jurnal internasional

**FASADE TYPOLOGY ANALYSIS, CASE STUDY KESAWAN STREET, INDONESIA**

HILMA TAMIAMI FACHRUDIN , ACHMAD DELIANUR NASUTION

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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

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2022

Buku lainnya

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

ACHMAD DELIANUR NASUTION , NURLISA , N VINKY RAHMAN

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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

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2021

Jurnal internasional

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

NURLISA , ACHMAD DELIANUR NASUTION , N VINKY RAHMAN

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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

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2014

Prosiding seminar internasional

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

ACHMAD DELIANUR NASUTION , WAHYUNI ZAHRAH

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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

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2015

Prosiding seminar internasional

## **Urban Design Guidelines For Shophouses: A Temperature Modification Approach**

ACHMAD DELIANUR NASUTION , WAHYUNI ZAHRAH

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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

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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

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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

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2018

Jurnal internasional

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

NURLISA , ACHMAD DELIANUR NASUTION , WAHYUNI ZAHRAH

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2014

Prosiding seminar internasional

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

ACHMAD DELIANUR NASUTION

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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

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2025

Jurnal nasional terakreditasi

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

WAHYUNI ZAHRAH , ACHMAD DELIANUR NASUTION

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2014

Jurnal internasional bereputasi

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

ACHMAD DELIANUR NASUTION

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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

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2020

Jurnal internasional bereputasi

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

ACHMAD DELIANUR NASUTION

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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