



PORTFOLIO

Rahadian Muhammad Sutandar
2020-2025



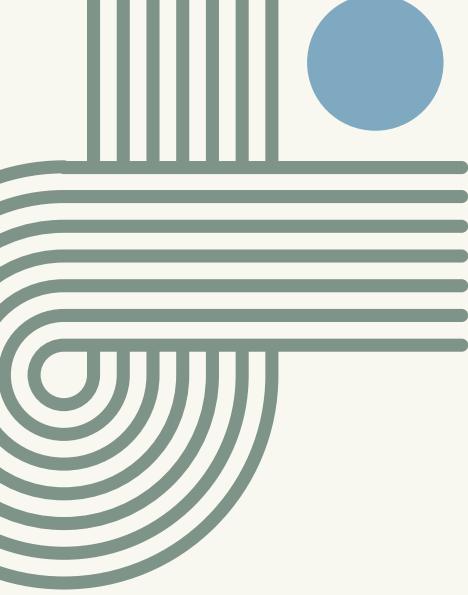
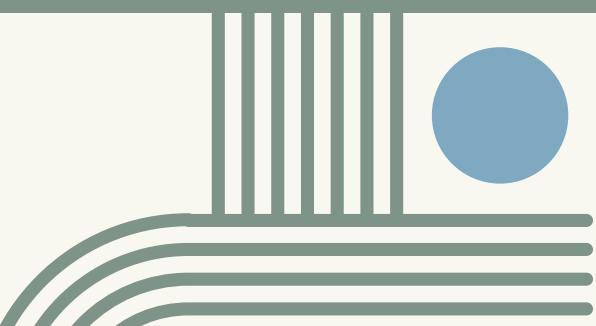


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INTRODUCTION



EXPERIENCE

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CERTIFICATION

Rahadian Muhammad Sutandar



[Linkedin.com/in/rahadianms](https://www.linkedin.com/in/rahadianms)



[Github.com/RahadianMs](https://github.com/RahadianMs)



Bachelor's degree of Urban and Regional Planning (S.P.W.K.)

Universitas Islam Bandung, IPK 3.87 (Cumlaude)

As a Data-Driven Urban Planner and Certified Expert in TensorFlow and Urban Planning, I bring a unique blend of data science, AI, and machine learning to tackle complex urban challenges. With a foundation in both urban planning and data analytics, I approach each project with a computational mindset, developing innovative, data-informed solutions that drive sustainable and thriving communities.

In a recent national project with the Ministry of Villages, Development of Disadvantaged Regions, and Transmigration of Indonesia and LPPM UNISBA, I contributed to a strategic exit plan for 62 underdeveloped regions. In my role as an Assistant Planner, I conducted stakeholder sentiment analysis, developed data visualizations of regional economic trends, and synthesized key insights for the Final Report. This experience reaffirmed my commitment to leveraging data-driven decision-making for large-scale, impactful urban development.

I am one of the few Urban and Regional Planning graduates to complete the distinguished Bangkit Academy Machine Learning Program with distinctions, earning the TensorFlow Developer Certification. My academic achievements—such as ranking 2nd Best Graduate and receiving the Best Presenter Award at the National Seminar: Planopolis—highlight my strong analytical, communication, and presentation skills.

I am actively seeking opportunities to apply my expertise in urban planning, AI, and data science within forward-thinking organizations committed to smart city development and the SDGs.



Start

(2020)



INSPIRING

MSIB Batch 3:
INSPIRING
(2022)



MSIB Batch 5:
INSPIRING
(2023)



Graduate
(2024)

LPPM Unisba &
Kemendes PDTT



(2024)

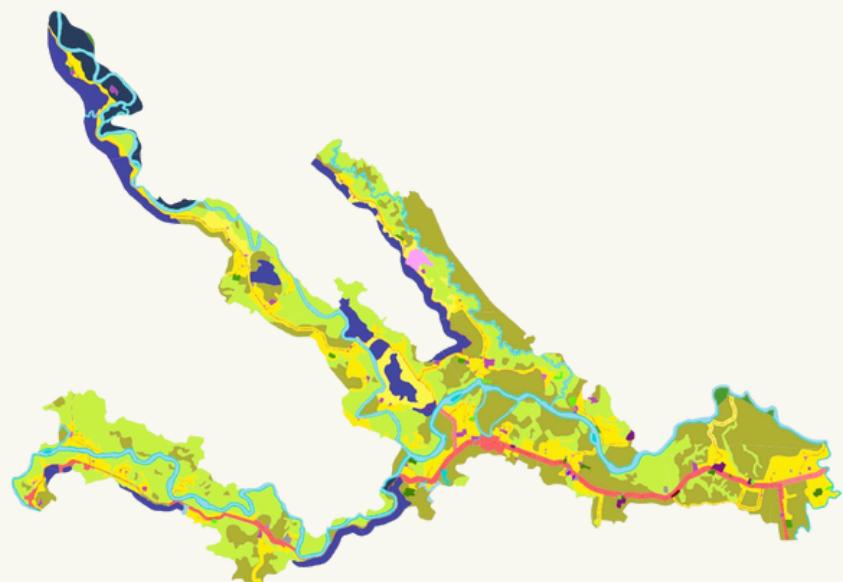


MY JOURNEY



PROFESIONAL EXPERIENCE

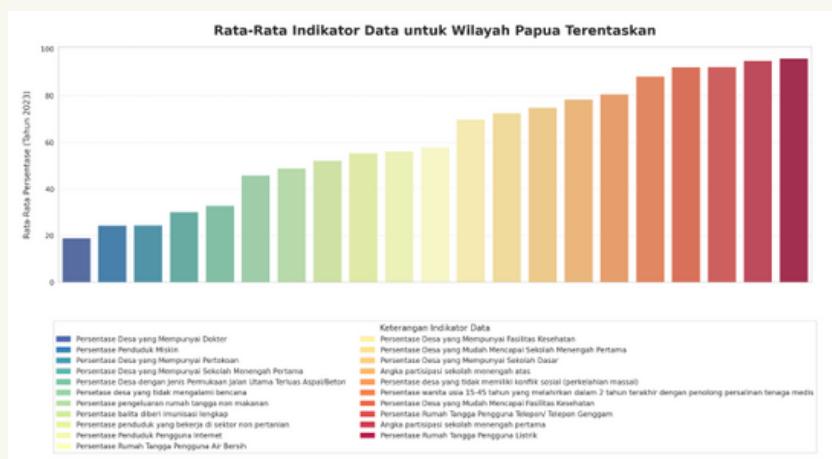
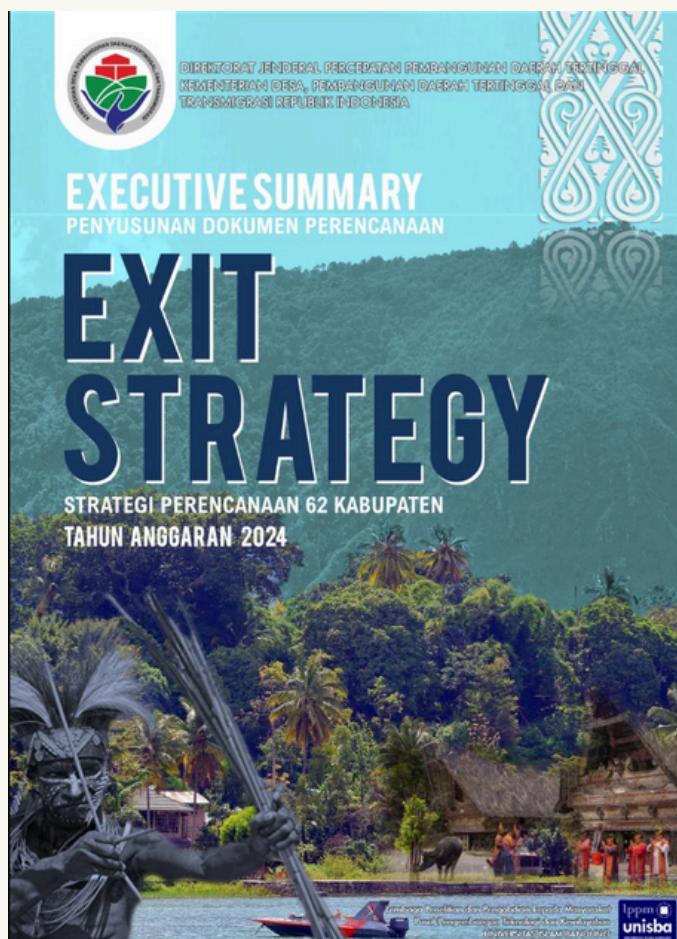
PREPARATION OF DETAILED SPATIAL PLAN FOR SUNGAI MANAU CITY



Experienced in developing and implementing Regional Spatial Plans (RDTR) with a strong understanding of legal frameworks and environmental considerations. Proficient in strategic spatial planning, zoning regulation development, and geospatial data management. Contributes to research and policy development in the field. Collaborates effectively with colleagues to solve complex problems. Demonstrates adaptability, ethical professionalism, and innovative thinking in spatial planning.

PROFESIONAL EXPERIENCE

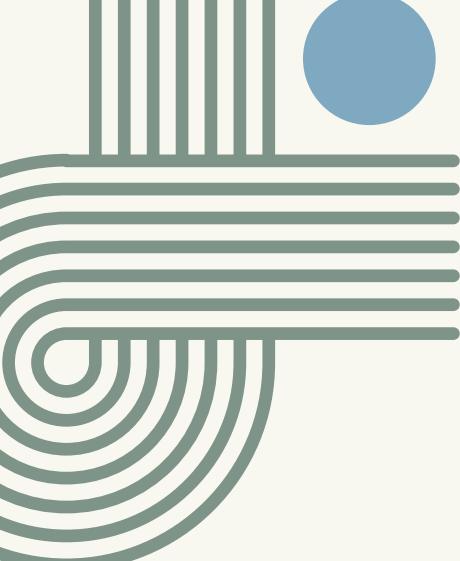
DEVELOP EXIT STRATEGIES FOR 62
UNDERDEVELOPED REGIONS IN
INDONESIA



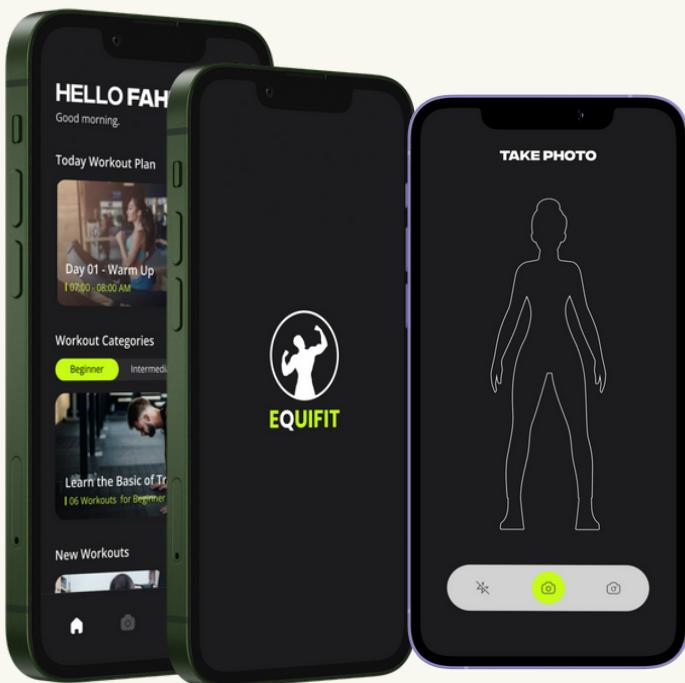
Grafik Rata-rata Indikator untuk Wilayah
Papua Terentaskan
(Menggunakan Matplotlib Python)

Collaborated with the Ministry of Villages and LPPM UNISBA on a national initiative to develop exit strategies for 62 underdeveloped regions in Indonesia. I formulated a national strategic plan, including a model framework and exit strategy aimed at accelerating sustainable development. I also streamlined a complex final report, achieving a 13.5% improvement in conciseness and clarity. As the primary liaison for 22 regional representatives, I ensured seamless communication and project alignment. Additionally, I leveraged Python's Matplotlib for compelling data visualizations and utilized Google AI Studio for in-depth sentiment analysis of FGD transcripts, generating crucial data-driven insights.





PROJECTS EXPERIENCE



Equifit
User-friendly
Application for Exercise
Recommendation

<https://github.com/CH2-PS090/machine-learning>

Equifit is a user-friendly mobile application designed to combat the growing obesity crisis. It leverages machine learning to provide personalized exercise recommendations and estimate body fat percentage using just a smartphone camera, making fitness more accessible and effective, especially for young people.

Applied Machine Learning Expertise, Developed and deployed a modular ML pipeline using Flask API to predict body measurements from images and basic user data. Utilized pre-trained models (DeepLabV3, MobileNetV3) and implemented a learning rate finder for efficient model training.

PROJECTS EXPERIENCE

URBAN PLANNING 5.0: EMPOWERING AI AS PLANNING TOOLS

The poster features a background illustration of a city skyline with a grid pattern. At the top right, there are logos for STUDIO ACADEMY, pwk unisba, and unisba. Below the logos, the title 'URBAN PLANNING 5.0: EMPOWERING AI AS PLANNING TOOLS' is displayed in large, bold, dark blue letters. Two speakers are introduced with their portraits and names: Rahadian M. Sutandar, S.PWK. and Dera Sugina Fitryani, S.PWK. Below each portrait is a section with a small icon, a title, and a QR code. The first section is titled 'GENERATIVE AI FOR URBAN PLANNING'. The second section is titled 'WHAT SOCIAL MEDIA TELLS YOU ABOUT URBAN PLACE'. The event details are listed at the bottom: 'JUMAT, 8 NOVEMBER 2024', '13.00 - 16.00 WIB', and 'LAB. STUDIO PWK UNISBA'. A red stamp with the word 'GRATIS' is prominently displayed. The bottom right corner includes the text 'Pendaftaran dan E-sertifikat' and the handle '@studiopwkunisba'.

Rahadian M. Sutandar, S.PWK.

Dera Sugina Fitryani, S.PWK.

GENERATIVE AI FOR URBAN PLANNING

WHAT SOCIAL MEDIA TELLS YOU ABOUT URBAN PLACE

JUMAT,
8 NOVEMBER 2024

13.00 - 16.00 WIB

LAB. STUDIO PWK UNISBA

*KHUSUS MAHASISWA DAN ALUMNI PWK UNISBA

GRATIS

Pendaftaran dan E-sertifikat

@studiopwkunisba

The project explores the integration of Generative AI as a powerful tool in Regional and Urban Planning, enabling planners to address modern challenges with precision and innovation. By leveraging AI capabilities, this initiative provides solutions that align with the needs of communities and adapt to dynamic urban trends.

PROJECTS EXPERIENCE

PROJECT LEAD OF IMPI LEVEL UP: DRONE PILOT TRAINING PROGRAM FOR URBAN PLANNING STUDENTS

IMPI LEVEL UP:
Level Up Your Drone Skill, Terbangkan Karirmu

Materi Pelatihan

- ✓ Sejarah dan Kegunaan Drone
- ✓ Prosedur Keselamatan Penerbangan Drone
- ✓ Persiapan Penerbangan Drone
- ✓ Praktek Menerbangkan Drone

Model Pembelajaran

Pre Test Kelas Materi Praktek Post Test Studi Kasus

Fasilitas

Materi dan Modul Sertifikat Pelatihan Makan Siang
Konsultasi Intensif Raport Penilaian

Register Now!

QR code IDR 69K
Kuota Terbatas 20 Pendaftar Pertama!

Pelaksanaan Pelatihan

Minggu 24 Desember 2023 08.00 s/d 17.20 WIB Lab. Studio PWK UNISBA

Supported by:

Contact Person:
0822-7809-5424 (Dwi Amanah)
0822-2028-9453 (Yogi)

Terbuka Untuk Umum!

IMPI LEVEL UP: Asisten Lab. Perpetua Penyusun RDTR Muaradua dan Danau Ranau, Kementerian ATR/BPN

RIZKI R. DARMAKUSUMA Asisten Lab. Perpetua Penyusun RDTR Muaradua dan Danau Ranau, Kementerian ATR/BPN

LUQMANUL HAKIM Asisten Lab. Perpetua Penyusun RDTR Pekotaan Bahaur Kementerian ATR/BPN

KABINET KOALISI

IMPI Level Up is a drone pilot training program designed specifically for urban planning students in Bandung. Developed in collaboration with HMTPL UNISBA, HMPWK UNPAS, and the UNISBA PWK Mapping Laboratory, this intensive program equips participants with valuable drone operation skills applicable to urban planning and community development projects.

PROJECTS EXPERIENCE

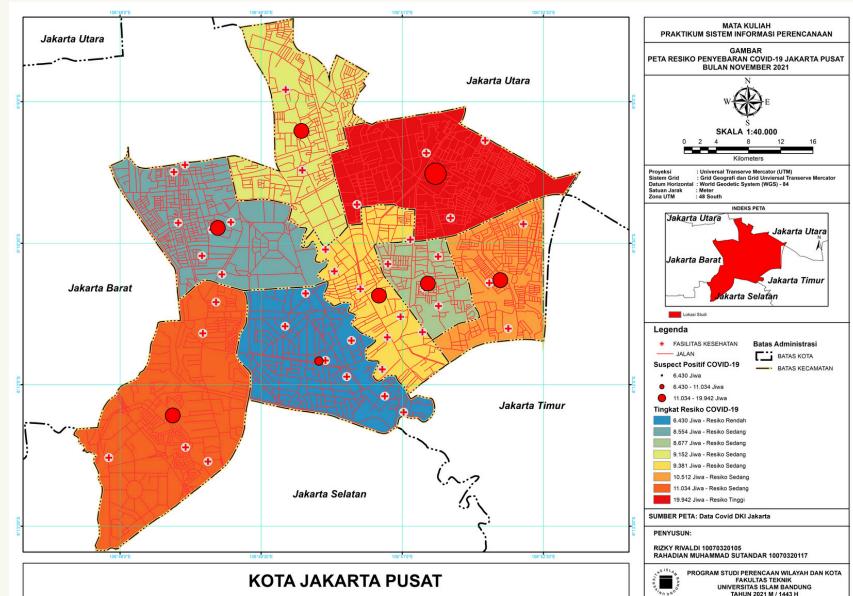
PROJECT LEAD OF PLANOTECH TALK:
EXPLORING DRONE PILOT CAREERS IN
THE INDUSTRIAL ERA 5.0

The poster features a background image of a white drone flying over a city skyline. At the top left are two circular logos: one red with a white emblem and one blue with a white emblem. At the top right is the 'DRONE EDU TECH' logo. The title 'PlanoTech Talk' is in yellow, and the main title 'MENGUPAS KARIER DRONE PILOT DI ERA INDUSTRI 5.0' is in large blue capital letters. Below the title are two speaker portraits. The left portrait is labeled 'NARASUMBER' (Speaker) and 'FERDY ANGGRIYA SUWATRNA' (Direktur Operasional dari Drone Edu Tech). The right portrait is labeled 'MODERATOR' (Moderator) and 'RACHMA SEDIANA' (Mahasiswa HMPWK Universitas Pasundan). A blue banner at the bottom left says 'FREE !'. To the right of the banner are event details: 'Senin 18 Desember 2023' with a calendar icon, '19.00 - 21.20 WIB' with a clock icon, 'Online via Zoom' with a video camera icon, and 'Contact Person' with two phone numbers. A small white drone with a camera is shown in the bottom right corner.

PlanoTech Talk, a collaborative talk show organized in partnership with Drone EduTech, explored the exciting career opportunities within the rapidly expanding drone technology sector. With a focus on "Exploring Drone Pilot Careers in the Industrial Era 5.0," the event attracted an impressive 189 participants, providing them with valuable insights from industry experts and networking opportunities.

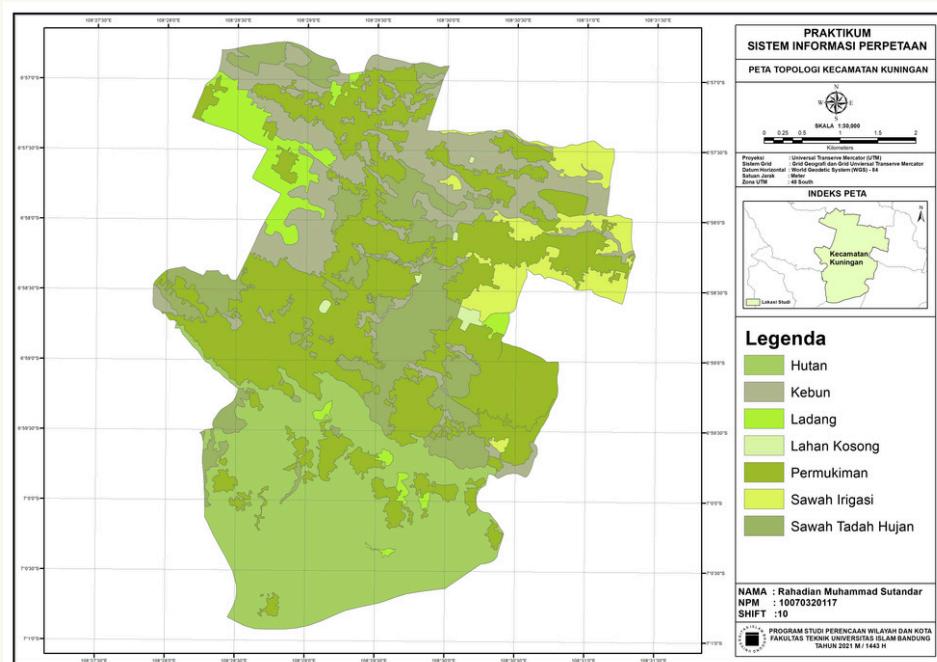
PROJECTS

EXPERIENCE



Central Jakarta Covid-19 Spread Risk Map in November 2021

This is the final project of the Planning Information System course. Worked as a team to process data about Covid-19 into a map that illustrates the risk of the spread of Covid-19 in Central Jakarta in November 2021.



Topology Map of Kuningan Sub-district

This is a practicum assignment for the Planning Information System course, from the data owned, it is processed into a map that describes the Topology in Kuningan District.

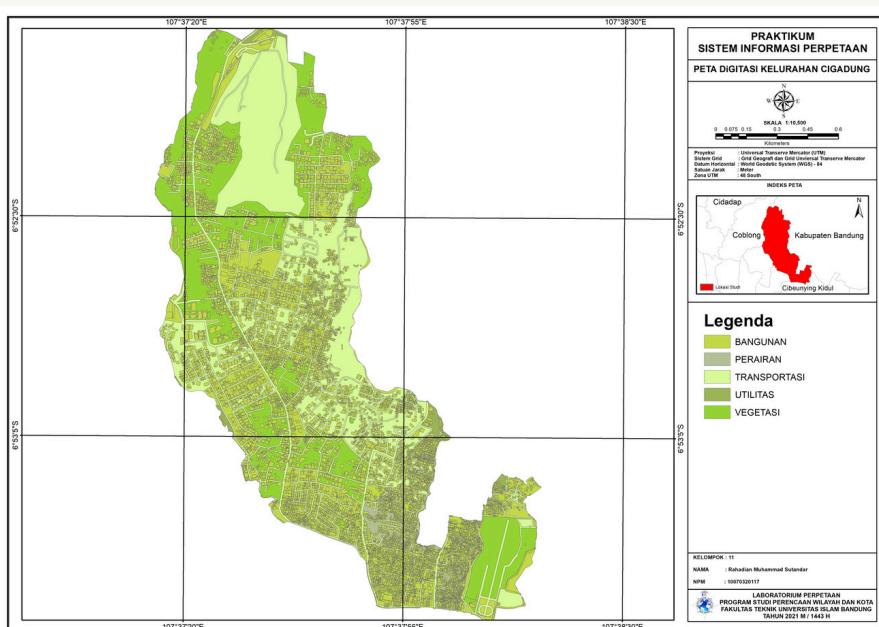
PROJECTS

EXPERIENCE



Cigadung Village Culinary Tourism Map

This is the final project of the Basic Geospatial course, creating an innovative and informative map about culinary tourism in Cigadung Village. In this map there is a barcode that directs directly to the related Instagram, so that readers can immediately get direct information about the place.



Digitized Map of Cigadung Village

This is a practicum assignment for the Planning Information System course. The selected area is digitized to distinguish each component contained on the map, this can be seen from the color according to the legend.

PROJECTS

EXPERIENCE



DESA POTO

Salah satu desa di kabupaten Sumbawa yang tetap memelihara kelestarian budaya daerah seperti tenun tradisional, pembuatan gerabah dan atraksi permainan rakyat seperti pacuan kuda, karapan kerbau. Desa Poto yang letaknya di Kecamatan Moyo Hilir kira-kira 15 km dari kota Sumbawa besar dapat dengan mudah dijangkau dengan sarana transportasi darat yang senantiasa melayani trayek tersebut setiap hari.

MENJADI CONTOH DESA PEMAJUAN KEBUDAYAAN

DESA POTO TIDAK HANYA MENAWARKAN BUDAYA, NAMUN KITA BISA BELAJAR MENENUN DAN MERASAKAN SENDIRI KEKAYAAN BUDAYA SUMBAWA

Fasilitas yang tersedia di Desa Poto sudah sangat baik. Fasilitas seperti toilet umum dan Masjid sudah tersedia dan bersih. Desa Poto Juga sudah memiliki akses jalan yang sudah sangat baik dapat diakses dengan cepat melalui sumbawa Besar.

PULAU MOYO

Terletak Sebelah utara Sumbawa dan di mulut teluk Saleh dengan luas + 30 Ha.Pulau Moyo mempunyai obyek wisata darat dan laut. Hutan tropis pulau Moyo merupakan habitat kawanan rusa sapi liar, babi hutan dan burung gosong (megapodus) yang dilindungi. juga terdapat air terjun bertingkat mata jitu. Wisata bahari menyediakan panorama bawah laut yang indah untuk kegiatan menyelam (Snorkeling dan Skuba diving), bahan mulai dari dermaga pulau moyo sudah dapat dilihat ribuan ikan kecil. Lady Diana dari kerajaan Inggris dan Prince William dari kerajaan Belanda pernah datang berlibur ke Pulau Moyo.

Pulau Moyo menjadi Tempat Favorit Para Tokoh mancanegara

AIR TERJUN MATA JITU

Air terjun ini memiliki bentuk unik dengan tujuh kolam berundak Airnya yang berwarna hijau muda dan tua menambah keunikan air terjun ini.

PANTAI POTO JARUM

Di Pantai Poto Jarum, kamu juga bisa snorkeling dan diving. Nuansa laut berwarna biru toska dijamin bikin kamu ingin berlama-lama di sana dan enggan untuk pulang.

Tri-fold Brochure

An assignment from the tourism planning course to promote tourism in Sumbawa Regency.

PROJECTS

EXPERIENCE



An assignment during the introduction period of the urban and regional planning major.

[https://www.canva.com/design/DAEJu4_hl5o/9koJAYAKB7v6sLv1WjR2zg/view?](https://www.canva.com/design/DAEJu4_hl5o/9koJAYAKB7v6sLv1WjR2zg/view?utm_content=DAEJu4_hl5o&utm_campaign=designshare&utm_medium=link2&utm_source=sharebutton)

This is a Studio 1 KVD assignment which aims to present matters related to SDGs or sustainable development.

ARUNIKA DI ANGGANA

"Memotre Aktivitas Masyarakat Pada Pagi Hari Di Lapangan Gasibu" 2021

LOKASI KAWASAN

Jl. Diponegoro, Citarum, Kec. Bandung Wetan, Kota Bandung, Jawa Barat 40115

LATAR BELAKANG

Menurut kami objek yang lepat dan menarik untuk diangkat dalam tugas ini adalah lapangan Gasibu, yang dimana seperti tema yang kami ambil, yaitu Arunika di Anggana yang dapat dimaknai jika secara tektualnya memotre aktivitas masyarakat pada pagi hari di lapangan Gasibu. Namun secara filosofis dapat dimaknai bahwa kita ingin melihat bahwa harapan masyarakat pada saat pagi hari di Gasibu, kita ingin melihat perjuangan bahwa masyarakat bisa beradaptasi dan berjung dengan segala macam kondisi.

FASILITAS PENDUKUNG

- 1. Perpustakaan
- 2. Trek Lari
- 3. Musala
- 4. Toilet

PERPUSTAKAAN

Perpustakaan menjadi tempat yang sangat nyaman setelah kita telah berolahraga. Terdapat berbagai macam koleksi, mulai dari buku-buku teknik hingga buku bacaan untuk orang dewasa. Namun sayangnya selama pandemi covid-19, perpustakaan belum dibuka kembali untuk umum.

TREK LARI

Trek lari di lapangan Gasibu bisa dibangun menjadi trek lari terbuka yang ada di kota Bandung dan dibuka untuk umum. Berbeda dengan trek lari lainnya yang menggunakan pasir pasir yang berakar pada kotornya seperti. Trek lari di lapangan Gasibu menggunakan bahan sintetis sehingga lebih nyaman dan bersih.

MUSALA

Musala merupakan tempat yang sangat penting bagi seorang muslim. Dengan hadirnya Musala maka akan mempermudah seorang muslim untuk melaksanakan kewajibannya, hal ini juga menjadi poin lebih karena tidak semua fasilitas olahraga memiliki musala.

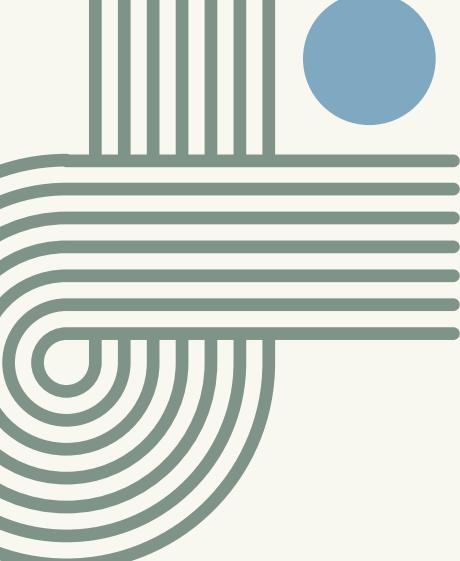
TOILET UMUM

Lapangan Gasibu menyediakan fasilitas toilet umum secara gratis, sehingga pengunjung di lapangan Gasibu tidak perlu cemas tidak bisa menemukan toilet ketika sedang berolahraga. Fasilitas toilet yang ditawarkan juga tergolong sangat bersih dan nyaman.

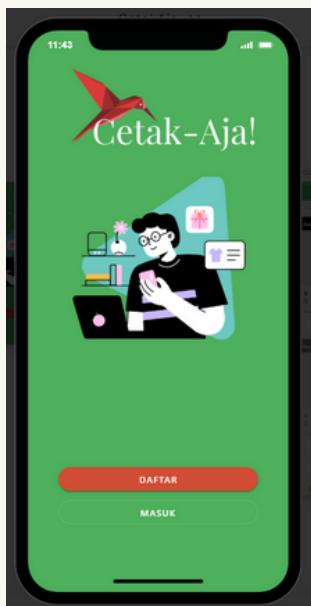
AKTIVITAS OLAHARGA

Kegiatan	Persentase
Lari	40%
Jogging	30%
Jalan	20%
Olahraga Lainnya	10%

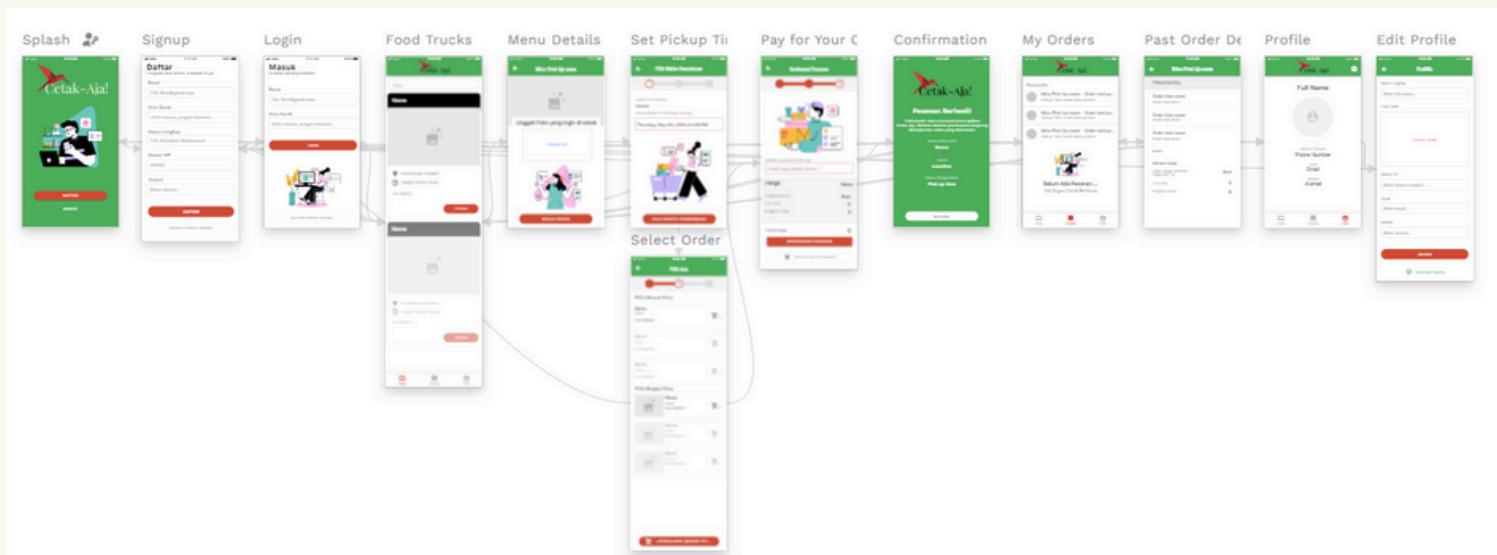
INFORMASI LEBIH LANJUT



PROJECTS EXPERIENCE



Using Adalo, I created a prototype application called “Print-Aja” where this application aims to print the photos that we have physically and then delivered directly to the house or taken directly at the photo printing place.



<https://previewer.adalo.com/ee447333-baef-44ee-9d1c-c5982c93966c>

PROJECTS EXPERIENCE



E-MAGAZINE SELIDIK RU...

February 13, 2023



E-MAGAZINE SELIDIK RU...

July 19, 2022



E-MAGAZINE SELIDIK RU...

July 19, 2022

<https://issuu.com/emagazinехmpl>

E-Magazine is a program of the Unisba Planology Engineering Association in the scientific field which discusses various topics studied through the point of view of planology. It also contains a variety of interesting information ranging from book reviews, movies, and music. Other interesting things include interviews with alumni and a look at the intricacies of cities.

The E-Magazine can run well and be published on time, of course, because of the hard work of various parties. One of them is my role as vice chairman who is in charge of organizing cooperation between divisions and expressing ideas with the chairman.

PROJECTS EXPERIENCE

Studio 4: Village Spatial Plan (RTRD) of Neglasari Village, Bandung Regency Based on Participatory Planning



PUBLICATIONS

DEVELOPMENT OF MUSLIM FRIENDLY TOURISM POTENTIAL IN TANJUNGSARI TOURISM VILLAGE, CIAMIS DISTRICT

ISSN : 1412 - 0690 E-ISSN : 2808 - 8123

Volume 19/No.1/2024

PWK

JURNAL PERENCANAAN WILAYAH DAN KOTA

Identifikasi Potensi dan Strategi Pengembangan Ekowisata Kampung Salapan di Kawasan Hutan Kota

Muhammad Jorgy Lazuardi Labunove Ismi

Branding Kota, Upaya Terstruktur atau Hanya Gagasan Konseptual:
Evaluasi Terhadap Dokumen Perencanaan di Kota Bandung

Lutfhi Ahmad Barwanto, Ridwan Sutriadi

Perspektif Fiqih Al-Bi'ah dalam Implementasi Rencana Tata Ruang Terhadap Ruang Terbuka Hijau di Kota Bandar Lampung

Valendya Rilansari, Wiedad Diya Ulhaq

Keberlanjutan Pengelolaan Rumah Susun Indal Melalui Kolaborasi Linta Stakeholders

Aan Mohammad Abdullah

Pengembangan Potensi Desa Wisata di desa Tanjungsari Berbasis Muslim Friendly Tourism di Kecamatan Sadananya, Kabupaten Ciamis

Rahadian Muhammad Sutandar, Dwi Riyanova, Fatma Darin Israwan, Ahmad Fatih Almurtadho, Harry Nuari Trivaldi, Mohammad Aksan Rachliansya, Rizal Akbar Nugraha



DITERBITKAN OLEH
UPT PUBLIKASI ILMIAH UNISBA
PROGRAM STUDI PERENCANAAN WILAYAH DAN KOTA
UNIVERSITAS ISLAM BANDUNG



PUBLICATIONS

HALAL TOURISM DEVELOPMENT BASED ON COMMUNITY ASPIRATIONS IN BANDUNG REGENCY TOURISM VILLAGES

Bandung Conference Series :

Urban & Regional Planning

eISSN 2828-2124

2024

Volume 4, No. 4 Tahun 2024



UPT Publikasi Ilmiah
UNIVERSITAS ISLAM BANDUNG



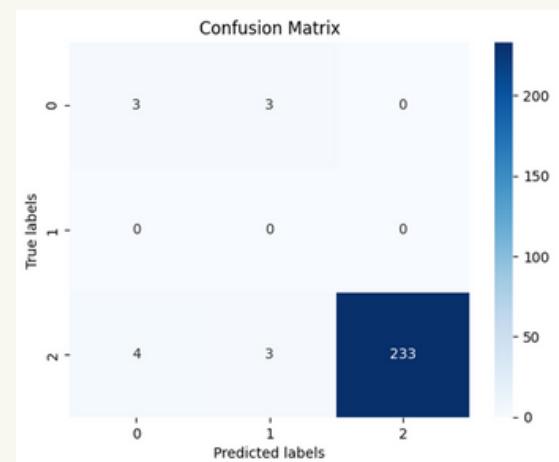
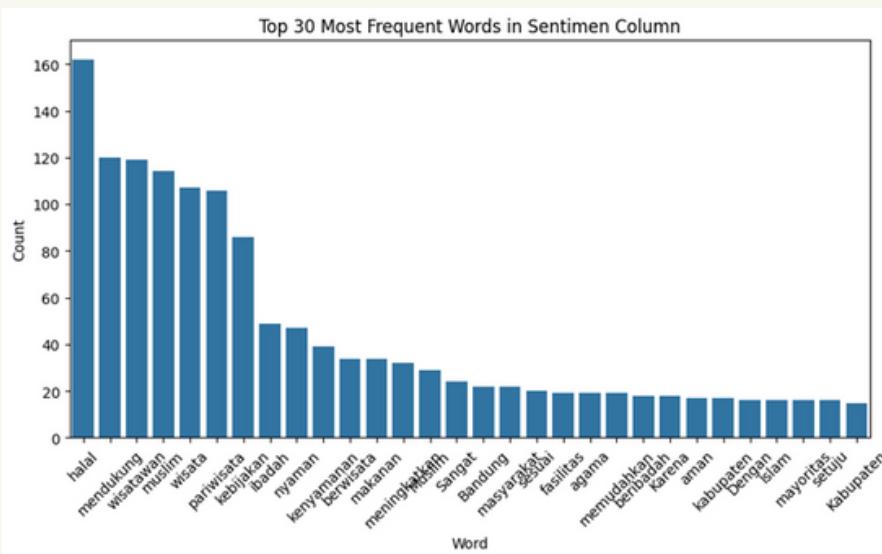


THESIS

ANALYSIS OF THE COMMUNITY TOWARDS HALAL TOURISM POLICY IN TOURIST VILLAGES OF BANDUNG REGENCY USING LARGE LANGUAGE MODELS GEMINI.

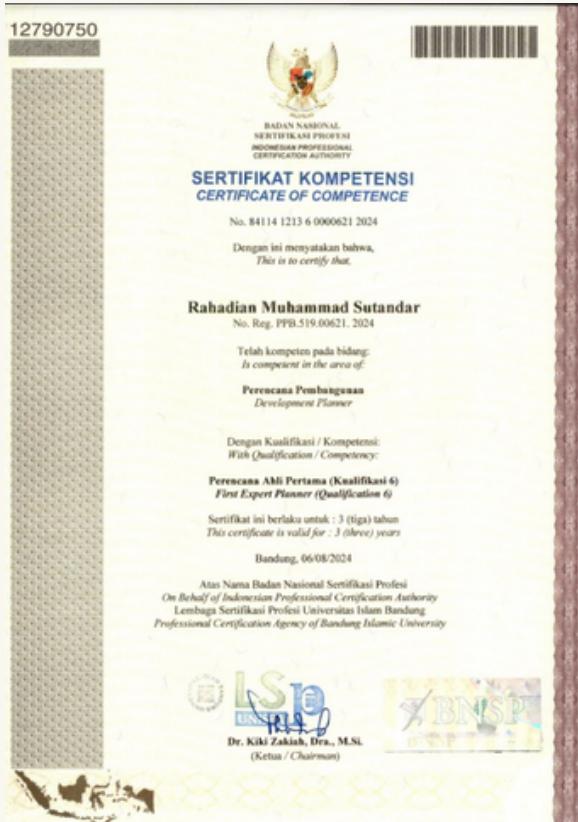
Sentiment Analysis with LLM

Gemini



CERTIFICATE

Urban & Regional Planning Background



BNSP: Perencana Ahli Pertama (Kualifikasi 6)



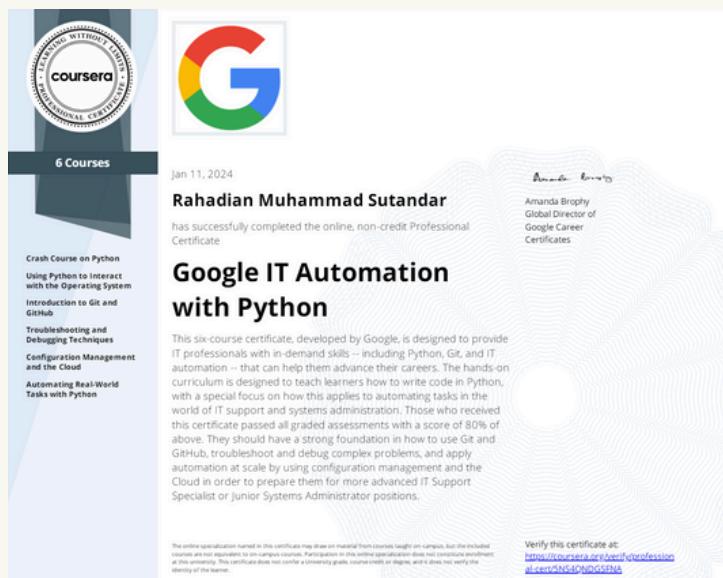
MSIB Inspiring Batch 3



MSIB Inspiring:
Bootcamp penyusunan RDTR

CERTIFICATE

Data Analytics Background



Google IT Automation with Python Certificate



Google Data Analytics Certificate



Berkarir di Bidang Data Analytics Certificate

CERTIFICATE

Machine Learning & Ai Background



TensorFlow Developer Certificate



Bangkit Completion with Distinction Certificate

The certificates are arranged in a grid-like fashion, showing the progression from basic machine learning to advanced topics like TensorFlow and NLP.

DeepLearning.Ai Machine Learning Coursera Certificate

ACHIEVEMENT



2nd Best Graduate of Urban and Regional Planning Program at Universitas Islam Bandung



1st Best Presenter in the Planopolis Seminar