Muhammad Ihsan Akbar

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| https://ihsan-w.github.io/MYJOURNEY/

PROFESSIONAL PROFILE

Bachelor of Urban and Regional Planning with experience in research and data analysis using statistical and spatial approaches for spatial planning, transportation, and regional economic development. Proficient in analytical tools such as ArcGIS, IBM SPSS, and Excel for carrying out environmental carrying capacity analysis, spatial suitability assessment, business location planning, public transportation supply-demand analysis, and planning for regional economic potential. Focused on data-driven problem solving, structured thinking, agile and adaptability, time management, Ability to work both in teams and independently.

EDUCATION

Institut Teknologi Sains Bandung, Bekasi   Sep 2020 – Jul 2024

Bachelor of Urban and Regional Planning (S.PWK) – GPA 3.86 (Cumlaude)

- Recipient of Academic Excellence Scholarship
- Core competencies in regional economic planning, infrastructure and transportation planning, spatial planning, and GIS
- Final Project: "Study Of Determining Agroindustri Locations For Sentra IKM Based On Food Crops Commodities In Karawang Regency"

PROFESSIONAL EXPERIENCE

LPPM Institut Teknologi Sains Bandung (consultant), Bekasi   Nov 2024 – Dec 2024

Research Staff for KLHS (Kajian Lingkungan Hidup Strategis) Sarmi Regency, Papua 2021 – 2041

- Contributed to environmental carrying capacity analysis including land capability, land suitability, water capacity, land load capacity, and ecosystem service performance.

Badan Perencanaan Pembangunan Daerah (Bappeda), Karawang   Jun 2023 – Aug 2023

Staff Intern at Research and Development Division

- Conducted industrial sector competitiveness research using Location Quotient, Shift Share, and Input-Output analysis to support the initial development of the Karawang Industrial Development Plan.
- Created land use maps for industrial and agricultural zones based on the Regional Spatial Plan using ArcGIS.
- Authored an academic article published in the Karawang Scientific Journal.

SCIENTIFIC PUBLICATIONS

- Ihsan Akbar, M. (2024). Analisis Keterkaitan Ekonomi Antara Sektor Pertanian dan Industri Pengolahan dalam Perekonomian Kabupaten Karawang Menggunakan Metode Analisis Input-Output. Jurnal Ilmiah Karawang, 2(02), 1-14.
- Ihsan Akbar, M. 2023. Analisis Kesesuaian Lokasi Kawasan Peruntukan Industri Berdasarkan Kelas Kemampuan Lahannya di Kabupaten Karawang. Jurnal Ilmiah Karawang. 1, 02 (Des 2023), 53–65.
- Muhammad Reza Akbar, & Muhammad Ihsan Akbar. (2022). Analisis Regulasi Uji Emisi Gas Buang Kendaraan Berdasarkan Pengaruhnya Terhadap Indeks Kualitas Udara di DKI Jakarta Menggunakan Metode Korelasi Pearson dan Regresi Linear. J Statistika: Jurnal Ilmiah Teori Dan Aplikasi Statistika, 15(1).

ACHIEVEMENTS

Concept Development Infographic Competition Kawasan Strategis Provinsi (KSP), West Java Province	Oct 2024

Top 5 Finalist in the Infographic Competition held by Dinas Bina Marga dan Penataan Ruang Jawa Barat

PORTOFOLIO

Visit my portfolio at https://ihsan-w.github.io/MYJOURNEY/

ORGANIZATIONAL EXPERIENCE

Urban and Regional Planning Student Association, Institut Teknologi Sains Bandung

Head of Education and Professional Development Department	2022 - 2023

- Led department programs and facilitated ArcGIS workshop training during student onboarding

Staff of Education and Professional Development Department	2021- 2022

- Initiated and managed "Ruang Plano" podcast as a platform for academic discussion

CERTIFICATIONS

- **Coding Studio** - Fundamental Front-End WEB I
- **Arsiten Academy** - AutoCAD Masterclass for Beginner & Intermediate
- **Logis.map Indonesia** - Google Earth Engine Intensive Bootcamp : Flood Monitoring with Sentinel-1 SAR
- **BBC English Training Specialist** - Dynamic Conversation for Adults (DCA) Level English Course
- **BBC English Training Specialist** - Elementary Level English Course

TECHNICAL SKILLS

- ArcGIS for spatial planning analysis
- Google Earth Engine for real-time spatial analysis
- Front-end development with HTML, CSS, JavaScript, Bootstrap 5, jQuery, GitHub
- AutoCAD 2D for technical drawing
- Microsoft Word, Excel, PowerPoint for data analysis and presentation

PERSONAL SKILLS

- Effective communication
- Systematic and comprehensive thinking
- Leadership and teamwork
- Agile, flexibility, adaptability
- Time management
- Project management
- Proactivity