# Ridwan Satria

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## SUMMARY

Graduate student with strong analytical and problem-solving capabilities in transportation planning and urban policy. Research and internship experience developing data-driven policy recommendations for urban development challenges in emerging markets.

## EDUCATION

**The University of Tokyo**  Apr 2025 - Mar 2027
Master of Engineering, Civil Engineering
- International Projects Lab
- Research focus: Transportation planning, policy, and governance in emerging metropolises

**Kyoto University**  Apr 2021 - Mar 2025
Bachelor of Engineering, Civil Engineering
- Geoinformatics Lab
- Thesis: "*Identifying areas vulnerable to Transit-Oriented Development-induced gentrification: Prospects for equitable TOD implementation in Jakarta.*"

## EXPERIENCE

**Oriental Consultants Global**  Jun 2025 - present
Transport Planning and ICT Intern
- Developed Python-based analysis tool to automate GPS probe data processing for 17+ bus lines, generating route adherence and schedule deviation reports for Maputo transit operations analysis.
- Researched and proposed data platform architecture recommendations for Bangkok traffic management project, comparing 3 solutions to streamline data sharing across 27 international research team members.
- Assisted in work plan development and project preparation for Manila's Intelligent Transportation Systems (ITS) implementation.

**Nikken Sekkei**  Dec 2023 - present
Urban Design Assistant (Part-time)
- Built web-based tool for aerial imagery and land use visualization using JavaScript, currently used by public space design team for TOD area analysis.
- Created 3D models and site analysis diagrams for public space design projects using SketchUp and Adobe Illustrator, supporting senior designers' client presentations.
- Conducted pedestrian and vehicle traffic counts at 5+ urban project sites, compiling data into analysis reports for design team review.

**Oriental Consultants Global**  Sep 2023
Intern
- Supported JUTPI 3 project team by developing TOD station area concept plans using QGIS for spatial analysis and visualization.
- Researched and proposed Non-Motorized Transportation mobility management strategies based on international best practices.

## AWARDS AND HONORS

**YUPN Best Paper Presentation Award**
2025 | International Conference of Asia-Pacific Planning Societies (Hsinchu, Taiwan)

**MEXT Scholarship**
2021 | Ministry of Education, Culture, Sports and Technology, Japan

**Silver Medalist, National Science Olympiad - Geography**
2019 | Ministry of Education and Culture, Indonesia

## SKILLS AND INTERESTS

**Language:** English, Indonesian, Japanese; **Programming**: Python, R, SQL, JavaScript; **Softwares**: QGIS, VISSIM, Illustrator, AutoCAD, SketchUp, Microsoft Office; **Interests**: Transport Systems, Digital Governance, International Development Policy, Grand Strategy Gaming, Hiking