# Sasonoto Hasbullah

Curriculum Vitae

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## Education

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| 2026 – 2028 (expected) | **Master of Public Policy (STEM-designated)**<br>Harris School of Public Policy, University of Chicago<br>Full LPDP scholarship, Government of Indonesia<br>Planned coursework: Advanced Microeconomics, Advanced Statistics; electives in econometrics and causal inference |
| 2019 – 2021 | **B.A. in Management**, cum laude<br>Universitas Terbuka, Indonesia<br>Electives in Econometrics and Linear Algebra |
| 2016 – 2018 | **Diploma III in Accounting**<br>Politeknik Keuangan Negara STAN, Indonesia<br>Thesis on inventory-cycle controls and audit risk |
| 2011 – 2012 | **Diploma I in Customs and Excise**<br>Sekolah Tinggi Akuntansi Negara (STAN), Indonesia |

## Research Interests

AI governance in public administration; risk-based customs and trade enforcement; compliance analytics and fraud detection; human oversight of AI decision-support systems in government

## Working Papers

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| 2025 | "AI Procurement Governance in Indonesian Customs: A Systematic Literature Review."<br>Sole author. SSRN 5356967; doi:10.5281/zenodo.16280656<br>Reviews 85 studies (2020–2024) on AI procurement governance in customs administration and proposes a multi-level governance framework for Indonesian customs |
| 2025 | "AI-Assisted Passenger Goods Inspection at Ngurah Rai International Airport - A Simplified Design Science Research Study."<br>With Kurniawan Setiyadi. SSRN 5367066; doi:10.5281/zenodo.16622983<br>Design science study of an AI-enabled Telegram bot that automates customs inspection documentation; interviews with 25 officers and three experts found a 93% reduction in documentation time |

## Research Experience

2022 – 2025 **Field research and evaluation**, Ngurah Rai Airport Customs Office, Bali

- Collected and analyzed field data for two Time Release Studies, using the World Customs Organization method to measure clearance time
- Ran a passenger survey showing that 30% of passengers did not comply with electronic customs declaration rules
- Evaluated an in-house AI tool, a Telegram bot that automates customs inspection documentation with speech-to-text and rule-based classification, proposed as a low-cost alternative to a Rp 40 billion (about US$2.2 million) system; in interviews with 25 customs officers and three experts, officers reported a 93% reduction in documentation time

## Professional Experience

**Directorate General of Customs and Excise (DJBC), Ministry of Finance, Republic of Indonesia**
Official civil service title since October 2013: Pelaksana Pemeriksa (Customs Examiner). Titles below are functional roles. On study leave since September 2026; returning to DJBC after graduation.

Jan 2026 – Aug 2026 — **AI Solutions Engineer**, in-house software team, Jakarta

- Led technical design and tech-stack choices in a 4–5 person team; built FastAPI and Spring Boot services and React front ends with AI coding assistants
- Designed SIAP TANDING, an AI decision-support system for customs objection cases (importers disputing duty assessments): 9 LLM agents (LangGraph), rule-based tax calculation, and human review gates so officers make final decisions

Sep 2022 – Dec 2025 — **Senior Data Analyst**, Ngurah Rai Airport Customs Office, Bali

- Developed a customs declaration dashboard end to end (PostgreSQL, Python and Airflow ETL, Power BI) for passenger and goods declarations, later recognized as a national standard
- Initiated digitalization of office services, reaching 90%, and led rollout of 12 dashboards covering about 80% of business processes; daily users grew from 0 to 40–50
- Field research and the AI inspection evaluation: see Research Experience

Oct 2018 – Aug 2022 — **Data Analyst**, Bogor Customs Office, West Java

- Analyzed financial statements and transactions of bonded-zone companies (duty-suspension zones similar to U.S. Foreign-Trade Zones) to find fraud indicators; recommended corrective actions and audited compliance
- Co-developed TKKB with audit and IT colleagues: an early-warning model sorting bonded-zone companies into 9 groups by financial health and compliance; cut risk-review staff time by up to 50%; adopted across West Java
- Initiated SIMANTAB's risk model and Tableau dashboard to flag unusual transactions of duty-deferred goods; secured Rp 747 million (about US$42,000) in state revenue in its first year; adopted as a West Java standard

Oct 2016 – Sep 2018 — *Study leave* for the Diploma III in Accounting, Politeknik Keuangan Negara STAN

Oct 2013 – Sep 2016 — **Customs Examiner**, Bogor Customs Office, West Java

- Inspected bonded-zone goods against declarations; automated weekly and monthly compliance reports in SQL

## Teaching and Training

2019 – 2025 — **Trainer and speaker**, DJBC and Ministry of Finance

- Delivered 13 trainings and talks to DJBC and Ministry of Finance staff
- Led training-of-trainers sessions at 3 customs offices
- Taught 2 cohorts of a Ministry-wide data analytics course

## Honors and Awards

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| 2026 – 2028 | LPDP Scholarship (full funding for the MPP), Indonesia Endowment Fund for Education |
| 2023 | 1st prize, office innovation contest, Ngurah Rai Airport Customs Office (team) |
| 2020 | Best Employee, Innovation category, Bogor Customs Office |
| 2019 | Best Employee, Bogor Customs Office |

## Adoption of Work

- Customs declaration dashboard: recognized as a DJBC national standard
- TKKB early-warning model: adopted across all customs offices in West Java
- SIMANTAB risk model and dashboard: adopted as a West Java regional standard

## Leadership and Service

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| 2022 – 2025 | Member, change-agent and risk-management teams, Ngurah Rai Airport Customs Office; coached senior officials one-on-one to use data in decisions and mentored staff in data analysis |
| 2017 | Minister of Youth and Sports, Student Council (BEM), PKN STAN; prepared a 60-athlete team that placed 2nd nationally |

## Certifications

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| 2023 | ISO 19011 internal audit training |
| 2022 | IBM Data Science Professional Certificate |

## Skills

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| Data and statistics | Python, SQL (PostgreSQL), R (basic), Excel, Tableau, Power BI, Airflow |
| Software | FastAPI, Spring Boot, React |
| AI systems | LangGraph multi-agent systems, LLM APIs, AI coding assistants |
| Open research | Paper publishing with DOIs on Zenodo; SSRN |
| Languages | Bahasa Indonesia (native), English (professional) |

## References

Available upon request

*Last updated: November 2026*