MUHAMMAD IRSYAD HAWARI

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EDUCATION

UNIVERSITAS GADJAH MADA — Graduate School, Yogyakarta, Indonesia 2021–2023
Master's Degree | GPA 3.82/4.00 — Graduated Cum Laude, November 2023

UNIVERSITAS PADJADJARAN, Bandung, Indonesia 2015–2020
Bachelor of Economics | GPA 3.48/4.00 — Graduated July 2020

PROFESSIONAL EXPERIENCE

TRANSDISCIPLINARY INSTITUTE, Jakarta, Indonesia 2024 – Present

Research institute (PT Teknodata Inovasi Indonesia) delivering economic impact evaluation and policy analysis for government and development partners

***Executive Director** (August 2025 – Present)*

- Lead and coordinate all operational, research, and strategic planning activities of the Institute, reporting to the Board of Directors of PT Teknodata Inovasi Indonesia.
- Set institutional work programs and technical policies aligned with the Institute's vision and mission.
- Build and manage partnerships with government agencies, development partners, and other external stakeholders to support institutional growth.
- Oversee budget allocation and supervise ongoing research programs, providing strategic policy recommendations to the Board.
- Analyzed compliance with the 30% personnel spending ceiling under Law No. 1/2022 (HKPD) across 38 provinces and 508 districts/cities for the **Regional Finance Study (UI-CSGAR and Ministry of Home Affairs)**, using panel fixed effects, dynamic panel GMM, convergence analysis, Markov chains, and scenario projections, to inform a compliance roadmap.
- Co-authored the **Tobacco Excise and JKN Policy Brief (Komnas PT)** on the fiscal risk of the tobacco excise freeze, linking excise tariffs to BPJS Kesehatan respiratory disease visits (2015–2024) across districts/cities, with panel and national time-series estimates.
- Conducted microdata analysis using STATA and R on Riskesdas, IDHS, and a 1% BPJS claims sample for the **JKN Spending Efficiency project (Asian Development Bank, TA-10275 INO, March 2025 – December 2026)**, developed healthcare financing simulations, and designed a Data Envelopment Analysis (DEA) framework for health facility efficiency.
- Prepared technical training materials for BPJS Kesehatan and the Ministry of Health, and authored policy briefs and working papers on public health financing in Indonesia.

***Senior Researcher** (2024 – August 2025)*

- Contributed to the **MBG and Fiscal Allocation study (JICA)**, running input–output analysis to quantify the economy-wide output, value-added, and employment effects of the Makan Bergizi Gratis (MBG) program.
- Built household microsimulation models to estimate the poverty and distributional impact of MBG transfers across income groups.
- Led impact evaluation of downstream commodity industries (nickel and palm oil), covering economic, social, and environmental dimensions, in collaboration with the Ministry of Investment.
- Conducted a nationwide economic impact study for BPJS Ketenagakerjaan on the effects of the Jamsosnaker program on welfare, poverty alleviation, and labor productivity, using two-way fixed effects econometrics, microsimulation, and input–output analysis.
- Calculated the **BNN P4GN Index (UI-CSGAR and National Narcotics Agency, 2025)** using the Unobserved Component Model (UCM) approach, integrating latent factors into the methodology to improve accuracy and policy relevance.
- Performed cost–benefit analysis for establishing new institutional departments in collaboration with the Ministry of Energy and Mineral Resources.
- Authored a working paper on the impact of the annual Eid exodus (mudik) on urban air quality.

SEKOLAH STATA, Jakarta, Indonesia 2024 – Present

Applied econometrics training program by PT Teknodata Inovasi Indonesia

Teaching Partner

- Taught data exploration and analysis using large-scale Indonesian datasets (IFLS, Podes).
- Delivered lessons on quasi-experimental impact evaluation methods including Difference-in-Differences (DiD) and Instrumental Variables (IV).

FASTWORK PLATFORM 2020 – 2024

Freelance professional services marketplace

Freelance Statistical Analyst

- Provided quantitative data analysis and econometric consulting to clients using STATA and R.

KEY PROJECTS

- Regional Finance Study on the 30% Personnel Spending Ceiling — UI-CSGAR / Ministry of Home Affairs (2026)
- Tobacco Excise Freeze and JKN Fiscal Risk Policy Brief — Komnas PT (2026)
- MBG and Fiscal Allocation Study — JICA | Input–output and poverty microsimulation of the Makan Bergizi Gratis program (2025)
- Economic Impact of Nickel and Palm Oil Downstreaming — Ministry of Investment (2024–2025)
- Jamsosnaker Program Economic Impact Study — BPJS Ketenagakerjaan (2024–2025)
- JKN Spending Efficiency and Health Facility DEA Framework — Asian Development Bank (2025–2026)
- BNN P4GN Index Reformulation — UI-CSGAR / National Narcotics Agency (2025)
- Cost–Benefit Analysis for Institutional Restructuring — Ministry of Energy and Mineral Resources (2024)

VOLUNTARY EXPERIENCE

ENUMERATOR, PKEBS — Universitas Gadjah Mada, Yogyakarta May 2023 – July 2023

- Collected primary survey data from mosques across Yogyakarta (field entry via KoboToolbox) for an empirical study on the socioeconomic impact of COVID-19 on Islamic religious institutions.

RESEARCH & PUBLICATIONS

- Hawari, M. I. (2025). The Role of Arisan in Alleviating Household Asset Poverty in Indonesia. *Jurnal Economia*, 21(2), 258–270.
- Dartanto, T., Abrorov, S., Khurshid, K., Usmonov, B., Rohman, M. A., Hawari, M. I., et al. (Forthcoming). *Fast Growing Middle Class and the Expansion of Islamic Financial Institutions in Indonesia*.
- Rohman, M. A., Hawari, M. I., & Arbarizq, I. E. (2024). Melihat Indonesia dari Angkasa: Mudik, Ekonomi Lokal, dan Kualitas Udara [Working Paper]. Transdisciplinary Institute.
- Hawari, M. I., Hasanah, A., & Adam, A. M. (2022). Social Capital and Participation in Muslim Organizations. *AlTijary: Jurnal Ekonomi dan Bisnis Islam*, 7(2), 143–155.
- Hawari, M. I., & Suci, W. (2023). Pendapatan, Jam Kerja per Hari, dan Religiusitas Individu Muslim di Indonesia. *Jurnal Ilmiah Ekonomi Islam*, 9(03), 3217–3226.

CONFERENCE & COMPETITION

- Presented “Smoking Prevalence and the Fiscal Burden on Indonesia’s National Health Insurance (JKN)” at the Indonesia Conference for Tobacco Control (ICTOH) 2026, Universitas Airlangga, Surabaya.
- Presented two research papers at the Indonesian Regional Science Association (IRSA) Conference 2026, Bandar Lampung, covering female labor force participation and Indonesian migrant workers (TKI).
- Awarded Best Paper at the Call for Paper Competition (Institute for Advanced Science, Social, and Sustainable Future with Pegadaian) for “Does Pawn-Based Financing Improve Household Welfare in Indonesia?”

SKILLS & TOOLS

Statistical & Econometric — STATA, R; IV, PSM, DiD, RDD; microsimulation, input–output analysis
Productivity & Communication — MS Office (Word, Excel, PowerPoint), Google Workspace, LaTeX
Languages — Indonesian (Native), English (TOEFL ITP 550)