



# AHMAD RIZAL BAYHAQI

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West Jakarta, Indonesia

Data Analyst & Scientist specializing in data visualization, analytical modeling, and workflow automation using Excel, Python, and SQL. Skilled in database operations, ETL processes, and statistical analysis to support data-driven decision-making. Experienced in building interactive dashboards, heatmaps, and correlation plots to monitor financial and operational performance in real time. Implemented Excel-based monitoring dashboards using Pivot methods and automated worksheets that improved reporting efficiency and management visibility. Developed statistical and mathematical models in Python to analyze trends and optimize business processes, and designed clear visual communication materials to help non-technical teams understand complex data insights effectively.

## Education Level

**Institut Teknologi Sepuluh Nopember - Surabaya, Indonesia**

Sep 2020 - Aug 2024

*Bachelor of Applied Statistics (Business Statistics), 3.07/4.00*

- Conducted applied machine learning research focusing on classification and text recognition for business and operational data.
- Applied statistical tools for business forecasting, econometric modeling, and data visualization in various real-world cases.
- Developed practical solutions through applied statistical and management methods in academic-industry collaboration projects.

## Work Experiences

**PT Wira Cipta Perkasa - South Jakarta, Indonesia**

Oct 2024 - Present

*Data Analyst Internship*

PT Wira Cipta Perkasa (WCP) is an Indonesian company specializing in providing high-quality engineering, procurement, and fabrication services to the oil and gas industry, including wellhead control panels, pressure vessels, subsea equipment, and ensuring safety and reliability in all operations

- Developed an Excel-based financial monitoring system integrating Balance Sheet and Profit–Loss reports for 2024–2025, with five key financial ratios (performance, solvency, liquidity, profitability, and efficiency) aligned to bank reporting standards.
- Streamlined financial reporting workflows by automating data aggregation and reducing manual compilation tasks, improving reporting efficiency and accuracy for the finance team.
- Designed a Budgeting vs Cash Flow dashboard that provides an integrated view of weekly actual, forecast, and budget data, enabling faster variance analysis and better financial control.
- Updated quarterly financial statement templates to ensure compatibility with prior-year data and consistency in EBITDA, P&L, and unit-level reporting.
- Upgraded the reporting process for PGE Cluster IV Aceh by converting manual reports into a structured CoA-based system, improving visibility and timeliness in budget monitoring.

**PT Japfa Comfeed Indonesia Tbk. - Makassar, Indonesia**

May 2024 - Jul 2024

*Data Analyst Internship*

PT. Japfa Comfeed Indonesia is a leading agribusiness specializing in high-quality animal feed and livestock products. Committed to advancing livestock industry growth in Indonesia, the company enhances operational efficiency and decision-making through SAP technology.

- Created interactive Excel dashboards to automate vehicle operational cost reporting across 12 farm and hatchery units, reducing repetitive tasks and providing clearer cost insights.
- Designed visual infographics to simplify product performance data for DOC (broiler and layer), improving external communication and making product information more accessible to customers and partners.
- Conducted a procurement cost analysis using the Economic Order Quantity (EOQ) method, identifying a potential efficiency improvement and providing practical recommendations to the procurement team for reorder planning and budget stability

**Gama Petshop and Clinic - Surabaya, Indonesia**

Oct 2022 - Dec 2022

*Consultan Management Quality Internship*

Gama Petshop and Clinic is offering a wide range of pet supplies and professional services, including health check-ups, grooming, and various other pet care services for your beloved companions.

- Successfully improved operational efficiency and standardization at Gama Petshop and Clinic by enhancing 5S/5R culture, developing key operational documents, and optimizing workflow procedures.
- Enhanced the implementation of the 5S/5R culture at Gama Petshop and Clinic and developed a 5R quality document to ensure consistency and adherence to 5R practices.
- Prepared a work instruction document with 4 KPIs and a risk identification and assessment document to improve operational efficiency and risk management.
- Created a quality plan document outlining 4 workflow steps to optimize and standardize procedures.

## Organisational Experience

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### UKM Rebana ITS - Surabaya, Indonesia

Jan 2021 - Jan 2022

#### *Vice of Department Media Kreatif*

UKM Rebana ITS is one of the UKM at ITS which operates in the field of arts (Banjari)

- Organized a design workshop for 27 participants across 9 departments, enhancing visual communication of organizational activities on social media.
- Assisted the department head in tracking progress of 6 programs using spreadsheet-based monitoring tools, ensuring timely completion of each initiative.
- Managed publication schedules and coordinated design requests from 9 departments, fostering transparent and efficient communication

### Seminar And Creative Data Competition 2022 - Surabaya, Indonesia

Jan 2022 - Nov 2022

#### *Committee*

"SINCOMP" is a event held by ITS Business Statistics at national level targeting Bachelor/Diploma students in Indonesia. SINCOMP has two types of competitions, namely an infographic competition and an essay competition as well as one type of webinar activity with the theme "Utilization of Data for Sustainable Development Goals".

- Collaborated with cross-functional teams to deliver visual assets representing event values for a national data competition.
- Designed the official committee uniform, strengthening the event's brand identity.
- Supported social media documentation and publication of event highlights.

### Pelatihan Spiritual dan Kebangsaan (PSB) - Surabaya, Indonesia

Aug 2021

#### *Committee*

The PSB program is an initiative designed to equip new students with spiritual insight, national identity, and intellectual intelligence. As part of this program, ITS organizes a series of events and activities for all incoming students, fostering a well-rounded foundation for their academic journey.

- Captured and published 3 key event moments through Instagram Stories, increasing audience engagement by visual storytelling.
- Designed a visually appealing Instagram Story to effectively highlight key moments and events.
- Designed visually engaging Instagram Feeds layouts to highlight student participation.

## Skills, Achievements & Other Experience

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- **Project (2022):** Rock, Paper, Scissors Image Prediction (Dicoding) – Built a machine learning model for hand gesture classification using TensorFlow and Python. ([Open Link](#))
- **Project (2024):** Hoax News Detection using Multimodel Deep Learning (Final Project) – Designed a CNN-based architecture for detecting misinformation on Turnbackhoax.id. ([Open Link](#))
- **Project (2024):** Operational Vehicle Cost Dashboard – PT Japfa Comfeed Indonesia (Internship) – Created an Excel dashboard to monitor vehicle operational costs across 12 regional units. ([Open Link](#))
- **Project (2025):** Balance Sheet & Profit–Loss Dashboard – PT Wira Cipta Perkasa – Developed an Excel-based system integrating balance sheet and P&L data for financial monitoring. ([Open Link](#))
- **Project (2025):** Finance Monitoring & Control Dashboard (AR | AP | CF | Budget) – PT Wira Cipta Perkasa – Built a unified dashboard for financial oversight, enabling simplified monitoring and reporting. ([Open Link](#))
- **Modules Taken:** Python Language on Dicoding with 100% Score Completion. ([Open Link](#))
- **Modules Taken:** Fundamental of Quality Manajemen System 5R and ISO 9001:2015. ([Open Link](#))
- **Modules Taken:** Structured Query Language (SQL) on Dicoding with 100% Score Completion. ([Open Link](#))
- **Modules Taken:** Data Visualization on Dicoding with 100% Score Completion. ([Open Link](#))
- **Modules Taken:** Data Science on Dicoding with 100% Score Completion. ([Open Link](#))
- **Soft Skills:** Stress Management, Attention to Detail, Problem Solving
- **Hard Skills:** MS Office, Minitab, SPSS, Python, R, TensorFlow, SQL, Pivot Table, and VBA.
- **Interest:** Monitoring and Control, Automation, Machine Learning, Data Visualization, and Storytelling