

Daffa Syauqilla Musandi

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BETA AgroParisTech, 14 rue Girardet, 54000, Nancy, France

Results-oriented research professional with a solid foundation in economic analysis, data management, and project management. Experienced in conducting comprehensive multi-criteria analysis and data-driven decision-making. Proficient in technical tools and software, as well as multilingual capabilities. I am committed to delivering valuable insights and contributing to organisational success.

EXPERIENCES

• Research Engineer

March 2023 - May 2025

Institute for Agriculture, Food, and Environment – INRAE 

Nancy, France

Bureau d'Économie Théorique et Appliquée – BETA

- Constructing a database of recreational ecosystem services and biodiversity in the Grand Est region for the PERCEVAL project.
- Measuring trade-offs and synergies between ecosystem services in the Grand Est region.
- Conducted a comprehensive multi-criteria analysis for the OPT2FOR Project to assess various technical forest management itineraries in the Nouvelle-Aquitaine region of France.
- Analysed the impact of forest owner behaviours, focusing on economic loss aversion in wood price risk.
- Contributed to determining economically optimal management trajectories for maritime pine forest through spatial optimization.

• Research Intern

June 2022 - September 2022

Institute for Agriculture, Food, and Environment – INRAE

Nancy, France

Bureau d'Économie Théorique et Appliquée – BETA

- Created a spatio-temporal database of land and forest cover in the USA, using R, ArcGIS, and QGIS for the Habitat Fragmentation and Disease Incidence (BROADSIDE) Project.
- Calculated habitat fragmentation rates in and around each commune within the disease data over time, employing standard measures of fragmentation, and prepared summary documents.

• Intern

June 2021 - September 2021


ClearKarma 

Vienna, Austria

- Analysed and improved sustainable KPIs, evaluating economic impacts, and assessing externalities.
- Strategically positioned the organization to participate in the United Nations Food System Summit.
- Developed a strategic roadmap to identify suitable park locations for project execution in Vienna.
- Managed internal operations, including administrative tasks, timetabling, and coordination of various meetings.

• Intern

July 2018 - August 2018

PT. Bank Negara Indonesia (Persero) TBK 

Jakarta, Indonesia

International Department

- Delivered presentations on Mobile Remittance and Trade Finance.
- Conducted in-depth analysis of Germany's economic data to establish the BNI Overseas Branch Office.
- Provided strategic recommendations to the International Division for collaborations with French Commercial Banks.
- Prepared internal memos and refining documents, such as the 'Recap of Targets and Realization of KPI of Overseas Branch Offices in 2018'.

• Intern

August 2017 - September 2017

Central Bank of the Republic of Indonesia 

Jakarta, Indonesia

Economics Department

- Active participation in daily Forum Group Discussions with the Economics and Monetary Policy Department.
- Conducted data analysis to investigate the factors contributing to slow consumption growth within the 2018 state budget plan (RAPBN).
- Prepared a comprehensive seminar report on 'The Comparison of the Roles of Upstream and Downstream Agro-industries on the Economy and Income Distribution of the Indonesian People'.

EDUCATION

- **Paris-Est Créteil University** September 2021 - August 2022
Master II - Development Economics and International Project Management Paris, France
 - Thesis: Crises, Recoveries, and Gender Diversity: Trend and Hierarchical Agglomerative Clustering Analysis in Advance Economies
Jury: Patrick Lenain (Supervisor) and Melika Ben Salem (Jury)
Grade: 15/20
 - Project: The Roles of Cultural and Institutional Distances in International Trade: Evidence within Belt and Road Initiatives Countries' Trade
 - Field Mission: Empowering the Jordanian Workforce of Tomorrow (EJWT)
 - Main Courses: Applied Econometrics, Intercultural Management, Aid Effectiveness, Corporate Social Responsibility, Sustainable Development, Field Mission
- **Paris-Est Créteil University** September 2020 - August 2021
Master I - International Economic Studies Paris, France
 - Thesis: Circular Economy in the Food Sector: How does the circular food system solve the food waste and food loss problem?
Jury: Neha Bhardwaj Upadhayay (Supervisor) and Elisabeth Kempter (Jury)
Grade: 15.5/20
 - Project: Determinants of Women Employment in the Private Sector: Case Study in Turkey
 - Main Courses: International Economics and Development, Econometrics and Strategic Behaviours, Labour Economics and International Management, International Policies
- **Paris Nanterre University** September 2016 - August 2020
Bachelor's in Economics and Management Paris, France
 - Main Courses: Macroeconomics, Microeconomics, Descriptive Statistics, Accounting, and Financial Analysis

SKILLS

- **Data Analysis & Statistical Tools:** STATA, R Studio
- **Geopastial Analysis:** QGIS, ArcGIS (beginner)
- **Programming Languages:** R, Python, Julia (beginner)
- **Documentation Preparation Tools:** L^AT_EX, Microsoft Office, OpenOffice, iWork, Google Workspace, Canva, Prezi
- **Languages:** Bahasa Indonesia (native), English (**bilingual**), French (**fluent**), Arabic (beginner), German (beginner)

ORGANIZATIONAL EXPERIENCES

- **Organization Committee** April - October 2024
Institute for Agriculture, Food, and Environment – INRAE 
 - Organizing the LabEx ARBRE's 10th Anniversary of the Doctorate and Post Doctorate Day.
- **Vice President of the Consultative Body** January 2021 - January 2022
Indonesian Student Association in France - Perhimpunan Pelajar Indonesia (PPI) Prancis 
- **Volunteer** July 2021
Friends for Transparency 
 - Became an eyewitness for the Friends of Transparency project on the Moldovan 2021 Presidential Elections in France.
- **Chairwoman of the Consultative Board** December 2019 - November 2020
Indonesian Student Association in Paris - Perhimpunan Pelajar Indonesia (PPI) Paris
- **Head of Treasury** January - December 2019
Indonesian Student Association in Paris - Perhimpunan Pelajar Indonesia (PPI) Paris
- **Head of Human Resources and Entrepreneurship** January 2018 - January 2019
Indonesian Student Association in Paris - Perhimpunan Pelajar Indonesia (PPI) Paris

REFERENCES

- 1. David William Shanafelt**
Research Scientist - INRAE BETA
Email: david.shanafelt@inrae.fr
Relationship: Internship Supervisor and Research Collaborator
- 2. Sandrine Bréteau-Amores**
Research Project Manager in Environmental Economics - APESA Bordeaux
Associate Researcher - INRAE ETTIS and BETA
Email: sandrine.breteau-amores@inrae.fr
Relationship: Research Collaborator
- 3. Patrick Lenain**
Lecturer in Economics - Paris-Est Créteil University
Senior Associate - Council of Economic Policies (CEP)
Former Assistant Director - OECD/IMF
Email: patrick.lenain@gmail.com
Relationship: Thesis Supervisor (2022)
- 4. Neha Bhardwaj Upadhyay**
Associate Researcher and Visiting Faculty – Paris-Est Créteil University
Faculty – Euro Akademie
Email: nehabhardwaj1984@gmail.com
Relationship: Thesis Supervisor (2021)