# DEBORA SEBRINA BR. SIMANJUNTAK

+6281269584340 | sebrinadebora@gmail.com | https://www.linkedin.com/in/debora-sebrina/
Lima Puluh, Datuk Lima Puluh, Sumatera Utara

A highly motivated professional with a strong educational background in data analysis, management, and technology-driven solutions. Proficient in MS Office (Excel, PowerPoint, Word), as well as analytical tools such as Python, RStudio, Tableau, and Power BI. Actively involved in various projects and organizational activities, with experience as a speaker at seminars. Recognized for being a quick learner with strong problem-solving and leadership skills. Able to work independently or in teams, while maintaining effective communication across departments and stakeholders.

## EDUCATION

**Sumatera Technology of Sumatera (ITERA)**          Sept 2020 – Jun 2024
*Bachelor of Data Science* | GPA 3.49 / 4.00

**Thesis :** Forecasting the Number of Foreign Tourist Visits to Nort Sumatera Province using the SARIMA Model with Step Function Intervention Analysis.

**Area of Interest :** Data Analyst, Regression Analyst, Statistica Modelling, and Time Series Analyst.

## WORK EXPERIENCE

**Bank Indonesia, Lampung –** Jl. Sultan Hasanuddin No.38,          Jun 2023 – Jul 2023
Kec. Nort Teluk Betung, Kota Bandar Lampung, Lampung, 35211

*Manajemen Intern Staff (Intership)*

- Interned at the Internal Management Unit of the central bank, focusing on institutional development, internal audit, and human resource management.
- Implement administrative and reporting tasks in an organised manner, with a focus on performance analysis and tracking.
- Key Responsibilities:
  - Assisted in preparing Internal Management reports, including RPPB, inventory lists, and archives.
  - Provided assurance and consultation on governance, risk management, and internal control.
  - Managed logistics data, covering procurement, production, storage, and maintenance.
  - Analyzed database implementation and data visualization.
- Project developed a web-based monitoring system for the official residence of KPw Bank Indonesia Lampung, using PHP, HTML, CSS, XAMPP, and UML.

**Laboratorium Computer Elementary**
Laboratorium Teknik 3 Sumatera Institute of Technolog Jl. Terusan          Sept 2022 – May 2023
Ryacudu, Way Huwi, Kec. Jati Agung, Kab. South Lampung,
Lampung 3536
Basic Computer Laboratory of Sumatera Institute of Technology is a practicum implementation unit for ITERA students with the concept of sharing facilities for common purposes.

*Machine Learning Practicum Assistant*          Feb 2023 – May 2023
- Assistance for 40+ students

- The practicum assistant for the Machine Learning course is responsible for assisting in teaching material that includes an introduction to machine learning, data processing, regression, classification, clustering, model evaluation, dimensionality reduction, and feature selection.

*Data Mining Practicum Assistant*                                    Feb 2023 – May 2023
- Assistance for 50+ students
- Assisting in the preparation and delivery of course materials and lectures
- Guiding students through hands-on exercises and lab sessions
- Providing support and clarification on topics such as data preprocessing, association rule mining, clustering, classification, and anomaly detection
- Facilitating group discussions and promoting collaborative learning among students
- Ensuring that students understand key concepts and applying data mining techniques

*Big Data Practicum Assistant*                                    Sept 2022 – Dec 2022
- Assistance for 20+ students
- Applying concepts covered in Big Data Analysis using Visual Studio Code and Python (Spark)
- Guiding students through hands-on exercises and lab sessions focused on Text Analytics, Social Media Sentiment Analysis, Hadoop, Spark, Data Collection, Web Scraping, API usage, Data Pre-processing, and Data Visualization
- Supporting students in applying methods for analyzing Structured Data, Unstructured Data, and Text Analysis

**Laboratorium Chemistry Elementary**                              Sept 2021 – Dec 2022
**Laboratorium Teknik 1 Sumatera Institute of Technolog Jl.
Terusan Ryacudu, Way Huwi, Kec. Jati Agung, Kab. South
Lampung, Lampung 35365**

*Chemistry Practicum Assistant*
- Assistance for 50+ students
- The Basic Chemistry Practicum encompasses a comprehensive study of chemical analysis techniques. It includes laboratory procedures, identification of heavy metal cations, exploration of organic compound properties, studies on chemical equilibrium, determination of carbonate and bicarbonate levels, utilization of digital analytical balances, and practical applications of volumetric analysis through metathetic and redox reactions. Students engage in hands-on activities aimed at developing their skills in analytical chemistry and understanding fundamental chemical principles.

## ORGANIZATION EXPERIENCE

**Himpunan Mahasiswa Sains Data (HMSD) Adyatama** –              Jan 2022 – Feb 2022
**Sumatera Institute of Technology**

*Chairperson*

Student organization under the auspices of data science study program, to develop the soft skills and hard skill neede in data science. This organization is known as HMSD Adyatama ITERA
- Students with membership status as permanent members 92 and general members 146 in managing student organisation activities, including event planning, coordination with faculty, and resource management.
- Making 6 work program including is have fun HMSD, collaboration HMSD, caring in education, Ambis, Pijar and Rubis (completed work programs)
- Leadership, teamwork and colaboration, discipliner, management and movement action
- Develop internal policies to improve member performance as well as collaboration with related parties.
- Fully responsible for HMSD Adyatama
- The pioneer of HMSD Adyatama

- Created a forum for developing student talen interest in associations. Improve communication effectiveness among team members through regular meetings and cross-departmental coordination.

**ITERA Dormitory Christian Family (KKAI ITERA) -** Oct 2020 – Apr 2021
**Sumatera Institute of Technology**

*Chairperson*

KKAI is christian organization under the auspices of the ITERA Dormitory, this organization carries out spiritual activities.

- KKAI of 100+ students from 4 dormitories
- Improve communication effectiveness among team members through regular meetings and cross-departmental coordination.
- Fully responsible for the management period of KKAI IV
- Creating a concept of spiritual activities in the ITERA Dormitory
- Social activitie, morning beston, bible study, and discipleship

**Generasi Baru Indonesia Lampung Province - Lampung** Aug 2022 – Dec 2023

*Secretary Partnership and Cooperation Division*

Generasi Baru Indonesia (GenBI) a student organization receiving Bank Indonesia. The division is public relations and the same time GenBI communication information document media for GenBI Lampung.

- Humas GenBI Lampung Province
- Partnership and coorperation division from 5 campuses
- Graphic design and activity documentation
- Manage social media GenBI Lampung Province

## ACHIEVEMENT, SKILL & OTHER EXPERIENCE

- **Achievement (2023)**: Delegation KKN Kebangsaan XI 2023 in West Kalimantan
- **Achievement (2022-2023)**: Bank Indonesia scholarship recipient
- **Achievement (2020)**: Brozen National Student Science Olympiad (Kebumian)
- **Projects (2024)**: Forecasting Foreign Tourist Visits in North Sumatra Province using the SARIMA Model with Step Function Intervention using Rstudio
- **Projects (2023)**: Project developed a web-based monitoring system for the official residence of KPw Bank Indonesia Lampung, using PHP, HTML, CSS, XAMPP, and UML (https://github.com/deborasebs/System-Information-Official-Residence)
- **Projects (2023)**: House pricing BRNN in Jabodetabek, using Pyhton (https://github.com/sains-data/Team-2-RA-House-Pricing-BRNN)
- **Projects (2022)**: Interpolation (IDW & KRIGING) hotspots in North Sumatra using Quantum GIS and RStudio (https://www.linkedin.com/in/debora-sebrina/recent-activity/all/)
- **Speakers (2024)** Webinar Megatech Academy "Dashboard Analytic using Ms.Excel" (Sept 2024)
- **Speakers (2024)** Webinar Megatech Academy "Fundamental Python for Data Science using Visusal Studio Code" (July 2024)
- **Speakers (2024)** Dies Natalis HMSD Adyatama and Data Science Study Programme (April 2024)
- **Speakers (2021)** Webinar Event in the GSI National
- **Volunteer (2022)**: Sahabat Desa – Nusa Tenggara Barat, a platform for Indonesia's youth to collaborate on social projects, enhancing local potential. Sahabat Desa aims to foster village patriots ready to lead in village development
- **Volunteer (2021-2022)**: ITERA Mengajar - Lampung is a KM ITERA program that supports education, community empowerment, and environmental initiatives for students and the community.

- **Soft Skills:** Researh & analytical skill, decision making, team work, individually, responsif, assisting with claims management. Proficient in both written and verbal communication, effectively engaging with colleagues and external parties. Skilled in problem solving, identifying issues, and formulating solutions based on thorough analysis. Additionally, well-versed in project management, consistently focusing on achieving results and ensuring efficiency in project execution.Management and leadership with a proven ability to organize and lead teams in various organizational projects.
- **Hard Skills :** Ms Office, Google Workspace, design and visualization tools (Canva, Google Looker Studio, Tableau, and Photoshop), QGIS, and several programming languages (Ms. Excel, Python, R, SQL, and SPSS).