



CHELSEA ADHISTY NONA NAYSILLA

✉ chelseaadhisty375@gmail.com

☎ +62 813-5326-8372

📍 Sukolilo, Surabaya

SUMMARY

An Undergraduate Physics student at Institut Teknologi Sepuluh Nopember with a recent Semester GPA of 3.55/4.00. Demonstrates a strong passion for electronics, computational physics, numerical data analysis, and physical system optimization. Supported by proven leadership experience as a certified Student Management Skills Training Guide and hands-on management in dozens of large-scale institutional events. Possesses a sharp combination of analytical thinking and strategic public speaking skills, ready to drive instructional engagement in education or operational reliability in industrial systems.

EDUCATION

Institut Teknologi Sepuluh Nopember (ITS) — Surabaya, East Java

Bachelor of Science in Physics, Department of Physics, Faculty of Science and Data Analytics (FSAD) | 2024 – Present

- Relevant Coursework: Electronics, Thermodynamics, Computational Physics, Mechanics, Mathematical Physics.

ACADEMIC & LABORATORY PROJECTS

Advanced Physics Experiments & Data Analysis | FSAD ITS Physics Laboratory

- System Design: Assembled and calibrated laboratory instrumentation to guarantee accurate measurements of physical phenomena.
- Data Acquisition & Analysis: Conducted systematic physical data retrieval and calculated statistical error/uncertainty analysis.
- Graph Visualization: Processed raw data into analytical charts to identify trends and correlations among physical variables.
- Report Writing: Formulated comprehensive scientific lab reports, focusing on deep analytical execution in technical discussion sections

Numerical Simulation of Physical Equations using MATLAB | Computational Physics Course Project

- Designed computational algorithms to solve parabolic and elliptic Partial Differential Equations.
- Applied Gauss Elimination with pivoting techniques in MATLAB to resolve linear matrices with high precision.
- Analyzed simulated physical graphs to theoretically predict system behavior.

PROFESSIONAL & ORGANIZATIONAL EXPERIENCE

Secretary & Treasurer | Institute Level Interest and Talent Organization, MyITS | 2026 – Present

- Manage administrative planning, document archiving, and tactical cash flow controls for all institute-scale programs.
- Coordinate actively with internal and external university stakeholders to ensure seamless organizational governance.

Certified Student Management Skills Training Guide | FSAD ITS | 2025 – Present

- Entrusted as a certified mentor responsible for structuring curricula, delivering self-management materials, and facilitating leadership training for faculty freshmen.
- Cultivated competencies in strategic communication, risk management, collaborative problem-solving, and leading teams under high-pressure situations.

Science Club Member | Elementary to High School Level

- Represented schools in various science competitions and Olympiads at City, Provincial, and National levels.
- Sharpened logical-methodological mindsets and analytical speed in solving theoretical physics problems.

SKILLS

- **Technical & Computing:** MATLAB, Data Analysis, Numerical Modeling, Computational Physics, Microsoft Office Suite (Excel, Word, PowerPoint).
- **Interpersonal (Soft Skills):** Project Management, Public Speaking, Analytical Thinking, Risk Management, Team Coordination, Leadership, Adaptability.

COMMITTEE EXPERIENCE

Master of Ceremony (MC) – Protocol & Events | ITS Campus | 2024 – Present

- Host various formal agendas, academic seminars, and campus festivals across ITS, ensuring smooth rundown execution while driving audience engagement.

Expert Staff & Event Project Officer | ITS Camp, GEREX, RDK, PSO Physics Summit, Pommits, Aksi Sepuluh Nopember | 2024 – Present

- Conceptualized technical frameworks, formulated operational timelines, and directed committees in executing institute-level event series involving hundreds of participants.

Field Operations Volunteer | POMPROV III JATIM | 2025

- Coordinated technical field logistics and adapted swiftly to solve real-time structural challenges in a province-wide sporting event.

Campus Influencer & Student Ambassador | Ini Lho ITS! & ITS Music Festival | 2025

- Executed persuasive digital communication strategies to maximize public online engagement regarding university promotional campaigns.