



AFIFAH KHAIRUNISA

085768352295 | afifah02khairunisa@gmail.com | linkedin.com/in/afifahkhairunisa

Wonosobo, Jawa Tengah

Fresh Graduate Industrial Engineering with internship experience in Supply Chain, Logistics, Warehouse Operations, Quality Control, and Lean Manufacturing. Skilled in data analysis, process improvement, inventory control, and operational administration with hands-on experience in warehouse, refinery, and manufacturing environments.

Education

Universitas Islam Sultan Agung - Semarang, Indonesia

Sep 2022 - May 2026

Bachelor of Industrial Engineering, 3.63/4.00

Work Experience

PT DSV Solutions Indonesia - Warehouse Operations Intern

Aug 2025 - Dec 2025

- Supported daily warehouse operations including inbound, inventory control, outbound, cycle count, and stock verification activities to ensure inventory accuracy and operational efficiency.
- Managed shipment documentation, customs records, and warehouse administration using Warehouse Management System (WMS)
- Performed cycle count, stock verification, and quality inspection activities to maintain inventory accuracy at 98%.
- Contributed to process improvement initiatives through SOP development, work instructions, and operational standardization

PT Kilang Pertamina Internasional - Refinery Business & Optimization Intern

Apr 2025 - May 2025

- Conducted Integrated Port Time (IPT) analysis to identify operational efficiency improvement opportunities
- Analyzed supply chain and crude oil distribution processes within refinery operations.
- Evaluated operational data and observed refinery business processes to support continuous improvement initiatives.

PT Perkebunan Tambi - Quality Control Intern

Feb 2025 - Mar 2025

- Supported product quality assurance through raw material and finished goods inspections.
- Conducted product testing and quality documentation to ensure compliance with company standards.
- Assisted in identifying product defects and implementing corrective actions to maintain product quality.

PT Stechoq Robotika Indonesia - MSIB Independent Study: Lean Manufacturing

Sep 2024 - Dec 2024

- Applied Lean Manufacturing and Theory of Constraints (TOC) methodologies to analyze production inefficiencies and operational bottlenecks
- Co-designed an Industry 4.0 blueprint proposing IoT-based Automatic Counters (HC-SR04 sensor) and Autonomous Mobile Robots (AMR Omron MD-650) to minimize logistic defects.

- Served as the **Project Secretary** for the consultancy team, managing all project administration, client interview data, and final report documentation

Teaching Assistant Experience

Asisten Praktikum Perancangan Sistem Kerja dan ErgonomiJul 2025 - Aug 2025

- Supported ergonomics and work system design laboratory activities through anthropometric and workload analysis.
- Assisted students in applying ergonomic evaluation methods and work measurement techniques.
- Ensured practical sessions were conducted according to laboratory procedures and learning objectives.

Asisten Praktikum StatistikaNov 2024 - Dec 2024

- Supported statistical laboratory activities involving data processing and quantitative analysis.
- Assisted students in applying statistical methods using data analysis tools.
- Ensured practical sessions and evaluations were conducted effectively.

Organizational Experience

Himpunan Mahasiswa Teknik Industri - UNISSULAJan 2024 - Nov 2025

General Secretary

- Maintained organizational documentation, correspondence, and records to support efficient administrative operations.
- Prepared activity reports and documentation to support organizational accountability and record management.
- Coordinated administrative processes and correspondence to ensure smooth organizational communication.
- Supported the execution and monitoring of organizational programs and events.

Himpunan Mahasiswa Teknik Industri - UNISSULAJan 2023 - Dec 2023

External Relations Staff

- Maintained relationships and collaboration with external stakeholders.
- Assisted in organizing national seminars and organizational events.
- Coordinated communication with external partners and participants.
- Supported partnership and networking activities for organizational programs.

Academic Projects

Warehouse Process Optimization Using Value Stream Mapping (VSM) and Waste Assessment Model (WAM)

Final Thesis | Universitas Islam Sultan Agung | 2026

- Analyzed outbound warehouse processes to identify waste and non-value-added activities.
- Applied Value Stream Mapping (VSM), Waste Assessment Model (WAM), and Fishbone Analysis to evaluate operational inefficiencies.
- Developed improvement recommendations using VSM and WAM, reducing outbound lead time by 21.51%.

Continuous Improvement & Kaizen Project

PT DSV Solutions Indonesia | 2025

- Developed and implemented multiple Kaizen initiatives focused on warehouse operations, document management, workplace organization, and safety improvement
- Led a Continuous Improvement Project to optimize document filing processes through SOP development, Work Instructions (WI), and document numbering systems.
- Supported operational standardization and administrative efficiency through data-driven improvement initiatives.

Web-Based Management Information System for TPS3R Kedungdowo (ECOVERSE)

Operations & System Design Project | Universitas Islam Sultan Agung | Partner Mitra | TPS3R Kedungdowo | 2026

- Conducted comprehensive field-data collection and operational observations to map existing manual waste workflows and identify administrative bottlenecks.
- Designed the conceptual system architecture, user requirement specifications, and data-flow tracking for the "Ecoverse" digital platform.
- Formulated standardized data-logging protocols and operational metrics layouts to efficiently manage and track up to 150,890 kg of waste data.
- Designed digital dashboard wireframes and monitoring frameworks aimed at improving information accuracy and administrative tracking for local operations.

PKM-PI: Piezoelectric-Based Lighting System for Traditional Weaving Machines

Ministry of Education, Culture, Research, and Technology | 2023

- Developed a piezoelectric-based lighting system integrated into non-mechanical weaving machine pedals
- Collaborated in prototype development, testing, and technical documentation activities.
- Contributed to innovation initiatives aimed at improving energy efficiency in traditional weaving operations.

Skills, Certifications, & Other Experience

-
- **Hard Skills:** Supply Chain Management, Inventory Control, Cycle Count, Stock Verification,Shipment Documentation, Warehouse Administration, FIFO, FEFO, LIFO, Lean Manufacturing, Process Improvement, Root Cause Analysis, Value Stream Mapping (VSM), Theory of Constraints (TOC)
 - **Software Tools:** Warehouse Management System (WMS), Microsoft Office (Excel, Word, PowerPoint), Data Analysis (IBM SPSS, Minitab), Draw.io
 - **Languages**
 - Indonesian (Native)
 - English (Intermediate)
 - **Certifications & Training:**
 - Microsoft Office Training | LKP Borju
 - MSIB Independent Study — Lean Manufacturing & Industry 4.0 | PT Stechoq Robotika Indonesia
 - IEPT (Institutional English Proficiency Test) – Score: 517 | Sultan Agung Islamic University
 - **Achievements:**
 - Moderator of National Seminar: "Optimizing Manufacturing Processes Through IoT Integration"
 - Maintained inventory accuracy of 98% through cycle count and stock verification.
 - **Interest:** Warehouse Operations, Supply Chain Management, Logistics, Inventory Management, Business Operations, Continuous Improvement