

ASRIFA SAPTA ARDINI

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PROFILE

Chemistry graduate with hands-on experience in in-process quality control within medical device manufacturing and laboratory analysis. Experienced in AQL-based inspection, 7 tools of QC, dimensional and performance testing, and physicochemical and microbiological analysis. Known for strong attention to detail, problem solving, teamwork, and the ability to work systematically in regulated environments.

EDUCATION

Universitas Negeri Semarang

Aug 2021 - Aug 2025

Bachelor of Chemistry, GPA 3.82/4.00

- Thesis on "Synthesis of Citrated Cellulose from Wheat Bran Assisted by Ultrasonic Irradiation and Its Application for Heavy Metal Pb(II) Ion Adsorption"
- Part of Kelompok Ilmiah Kimia Himamia FMIPA UNNES as Head of Networking & Communications Division

WORK EXPERIENCE

PT Adventa Biotech International

Oct 2025 - present

In-Process Quality Control Staff

- Performed daily AQL-based sampling and inspection of 300+ injection-molded synthetic polymer components to verify compliance with product specifications and quality standards
- Conducted IPC monitoring with production teams and critical control point inspections based on applicable product specifications and ISO 13485 and ISO 7886 requirements
- Performed visual and dimensional inspections using calipers and micrometer screw gauges, along with tensile strength, pull/push force, and pressure testing to verify product performance
- Documented inspection and test results and prepared Non-Conformance Reports (NCRs) for identified product non-conformities and reported findings to QC supervisors, achieving consistent on-time submission

UPTD Laboratorium Kesehatan Kota Tegal

Feb 2024 - Jun 2024

Laboratory Analyst Intern

- Conducted physicochemical testing on 50+ water samples weekly, including pH, TDS, color, turbidity, metal content, BOD, and COD analysis using spectrophotometric methods
- Performed food safety analysis on 10+ samples weekly, including qualitative detection of hazardous dyes and preservatives such as rhodamine-B, formalin, and sodium borate
- Conducted microbiological testing of water, food, and air samples using culture media preparation, membrane filtration, MPN, and Total Plate Count (TPC) methods, including coliform and E. coli analysis
- Assisted in field sampling and sample preparation, ensuring proper handling, recording, and documentation to support reliable laboratory analysis

SKILL AND ACHIEVEMENT

- **Languages:** Indonesian (Native), English (CEFR B2 – EnglishScore Core Skills)
- **Software:** Microsoft Office (Word, Excel, PowerPoint), Origin, ChemDraw, Canva
- **Quality Control:** AQL Sampling, Visual Inspection, Dimensional Inspection, 7 QC Tools, Non-Conformity Handling, Injection Molding Defect Identification, Basic Product Drawing Reading
- **Laboratory Analysis:** Physicochemical Testing, UV-Vis Spectrophotometry, AAS, Titration, Gravimetry, Microbiological Analysis, Membrane Filtration, MPN, TPC, Culture Media Preparation, Sterilization
- **Measuring Tools:** Vernier Caliper, Micrometer Screw Gauge
- **Soft Skills:** Attention to detail, problem-solving, teamwork, adaptability
- **Achievement:** 1st Place Scientific Poster Competition, Gebyar Teknik Kimia, Universitas Singaperbangsa Karawang (2023), 3rd Place Infographic Competition, Green Business Innovation: Eco-Friendly Packaging Solutions, Universitas Kristen Satya Wacana (2024)