



KEMAL ABDUL MALIK

Bogor, West Java | 0851-5604-1798 | kemalallmalik@gmail.com | [linkedin.com/in/kemalmalik](https://www.linkedin.com/in/kemalmalik)

Fresh graduate in Chemical Analysis (IPB University) with hands-on laboratory testing experience, strong analytical skills, and understanding of quality standards (CPKB/GMP). Detail-oriented and meticulous in laboratory procedures.

TECHNICAL SKILLS

- Chemical Analysis: quantitative (gravimetric, volumetric. instrument)
- Proximate Analysis: moisture, crude fiber, salt, sugar, sulfite, protein
- Physicochemical Analysis: brix, density, electric conductivity, TS, pH
- Microbiology Analysis: total plate count, Gram stain
- RnD activity (planning, budgetting, Laboratory research)
- Sampling and sample preparation
- Data Interpretation
- Emphasize accuracy/data reporting

LABORATORY INSTRUMENTATION

- pH Meter, Turbidimeter, Conductometer
- Ultrasonic Extractor
- Karl Fischer Titrator
- Spectrophotometer UV-Vis, FTIR, HPLC

SOFTWARE

- Microsoft Excel
- Microsoft Word
- Microsoft PowerPoint
- Google Workspace
- JASP Statistics

WORK EXPERIENCE

IPB University - Bogor, Indonesia (Research & Teaching Assistant, Part-time) **Aug 2026 - Present**

- Facilitated laboratory sessions, graded student work, and supervised practical assignments
- Contributed to research proposal development, including methodology design and budget planning
- Participated in R&D activities supporting ongoing research projects

SIG Laboratory - Bogor, Indonesia (Chemical Laboratory Intern) **Jul 2025 - Nov 2025**

- Performed SNI-based proximate analysis for food and chemical samples and conducted daily calibration and operational verification of laboratory instruments, including pH meters, turbidimeters, and conductometers.

Agro Apis Palacio - Bogor, Indonesia (Research Intern) **Dec 2023 - Jan 2024**

- Conducted a water quality analysis project to evaluate the effectiveness of pre- and post-treatment filtration systems.

RESEARCH PROJECT

- **LUMINA:** Developed an innovative alumina nanoparticle effervescent toothpaste through comprehensive laboratory formulation, characterization, and product performance evaluation.
- **Nano Fertilizer Xerogel:** Conducted research on sustainable nano fertilizers to improve nitrogen and phosphorus efficiency through laboratory experimentation, data analysis, and result interpretation for agricultural improvement.

EDUCATION

Bachelor of Applied Science in Chemical Analysis (GPA: 3.32/4.00) IPB University - Laboratory Assistant (Spectrophotometer, Petrochemicals and Polymers Major) - Class President - Student Research Activities	Jul 2022 - Aug 2026
Science (Mathematics & Natural Sciences) SMA Negeri 1 Caringin Smart Scholarship Awardee (High School) – Yayasan Baitul Maal BRILiaN	Jul 2019 - Mei 2022

ACHIEVEMENTS

- Gold Medal** – International Sustainable Innovation & Engineering Technology Competition (I-SINERGIE) by Tun Syed Nasir Syed Ismail Polytechnic (PTSN) and IPB University (2025)
- Research Proposal Funded** - Indofood Riset Nugraha by PT Indofood Sukses Makmur TBK (2025)
- 1st Place** - National Call for Paper “Bulan Pancasila” Competition by UNNES (2025)
- Smart Scholarship (College) Awardee** – Yayasan Baitul Maal BRILiaN by PT Bank Rakyat Indonesia (Persero) Tbk (2023)

LEADERSHIP EXPERIENCE

- President – Islamic Student Center Al-Ghifari IPB (Dec 2024 – Dec 2025):** Led organization's strategic direction, overseeing 3 departments and cross-functional programs for IPB Vocational & Business School students.
- Head of Media Department – Islamic Student Center Al-Ghifari IPB (Dec 2023 – Dec 2024):** Led a creative team producing multi-channel campaigns (social media, design, video) to support organizational outreach.
- Organizing Committee Chairperson – Aromatik SV IPB/Forum Rohis SV IPB (2023-2024) :** Chaired 3 committees end-to-end (recruitment, transition ceremony, chemistry-themed social event), plus served as MC for 4+ events.

CERTIFICATION

- 7 Habits of Highly Effective New College Students**

LANGUAGES

- Indonesia:** Native
- English:** Intermediate (Professional Working Proficiency)