



MUHAMMAD ZULFADLI ZAINOL

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PROFESSIONAL SUMMARY

Chemical and Industrial Science professional with over 8 years of extensive experience in operations management, product engineering, research, and development. Holds a Master in Science and BSc in Applied Chemistry. Proven track record in project management, process improvement, financial analysis, and developing new products. Actively seeking opportunities to leverage expertise in a dynamic environment, focusing on innovation and efficiency.

AREAS OF EXPERTISE

- Operations Management
- Product Development & Engineering
- Research & Development
- Quality Assurance & Process Optimization
- Financial & Risk Management
- Team Leadership & Training

WORK EXPERIENCE

Jun 2017 — Now Head of Operation, Muzamal Industries Sdn Bhd & PT Puteri Height Industries Asia

- Spearheading operations in the Sutures Department, overseeing a team of 50+ employees and reporting directly to CEO.
- Enhancing employee productivity by 15% through process optimization and cost reduction strategies.
- Revamping delivery schedules to improve driver efficiency by 20% and service levels 25%.
- Orchestrating daily activities, supervising cross-departmental staff of 200+, and providing feedback, enhancing team performance by 10%.
- Managing procurement and resource allocation, reduce cost by 10% and ensuring cost operational efficiency.
- Reviewing and adjusting operational budgets, leading to a 15% increase in profitability.
- Pioneering the development and market introduction of new 5 new medical device products, generating an additional RM 2 million in revenue.

Mar 2015 — May 2017 Product Engineer, Permintax Sanko Technology Shah Alam, Selangor

- Drove engineering solutions to enhance automotive plastic parts' performance, resulting in a 20% increase in product durability.
- Optimized production processes, resolving defects and improving quality by 30%
- Conducted rigorous automotive testing, including CMM and color meter assessments, ensuring compliance with industry standards.
- Oversaw the entire mold-making process, ensuring compliance with quality and safety standards.
- Contributed to cost-effective designs for automotive components, reducing manufacturing cost by 15%.
- Played a key role in product development, safety, and testing initiatives resulting in the successful launch 3 new automotive products.

Oct 2013 — Mar 2015 Research Officer, Universiti Teknologi Malaysia (UTM) Skudai, Johor

- Conducted scientific research in environmental engineering, focusing on wastewater treatment, resulting in a 25% improvement in treatment efficiency.
- Utilized various techniques like FTIR and HPLC for molecular biology research, leading to discovery of new noble products.
- Collaborated on a wastewater treatment project for KLIA 2 with SWA Water Treatment, successfully improving water quality standards.

Jun 2013 — Nov 2013 Chemist, Polygreen (M) Sdn Bhd Klang, Selangor

- Managed and executed laboratory functions, focusing on quality control and research, leading to a 20% reduction in product defects.
- Developed new methods for chemical analysis and experimentation, improving accuracy by 15%.
- Authored and compiled analytical reports and certificates for products, ensuring compliance with industry standards.

EDUCATION BACKGROUND

2016 — 2020	Master in Industrial Science, Universiti Tenaga Nasional Berhad (UNITEN) <ul style="list-style-type: none">Relevant Modules: Operations Management, Product Development, Quality Assurance, Risk Management, Financial Analysis, Process Optimization. Kajang, Selangor
2011 — 2013	Bsc. (Hons) in Applied Chemistry, Universiti Teknologi MARA (UiTM) <ul style="list-style-type: none">Relevant Modules: Chemical Engineering, Molecular Biology, Environmental Science, Analytical Techniques, Process Control, Material Science. Shah Alam, Selangor

CERTIFICATIONS

- Board of Engineer Malaysia (BEM)
- Analytical Instrumentation
- Chemical Security Program CSP
- Quality Core Tool: FMEA, SPC, Control Plan, APQP, PPAP, MSA
- 8D reports: 3x5 Why, Fault Tree Analysis (FTA), Root Cause Analysis (RCA), Corrective and Preventive Action (CAPA)
- Design of Experiments (DOE)
- Microsoft Office: Excel, PowerPoint, Word, Project, Visio
- Quality and Improvement Tool: Six Sigma, Kaizen, Lean Manufacturing, DMAIC, PDCA
- SAP – Material Management
- Halal Assurance System (HAS) and MS 2626:2019 Halal Medical Devices
- Risk Management for Medical Devices & Medical Devices Design Control
- ISO 13485:2016 Quality Management System Introduction Training Course
- Project Management Professional (PMP)
- Good Clinical Practice (GCP)

TECHNICAL SKILLS

- Software & Systems: Microsoft Office Suite, Microsoft Visio, Microsoft Project, Catia, SAP
- Programming: C, MATLAB, SQL
- Research & Analysis: Chromatography (HPLC-MS, GC-MS, FTIR, AAS, ICP), Corrosion Protection, QAQC, Petrochemical Processes, NMR, PCR Amplification

SOFT SKILLS

- Exceptional attention to detail, ensuring precision in all aspects of work.
- Strong in building and nurturing professional relationships.
- Capable of managing multiple tasks simultaneously to meet project deadlines.
- Expert in identifying problems and formulating strategic solutions.
- Decisive leader, skilled in making informed decisions under pressure.

LANGUAGES

Malay	Native or Bilingual Proficiency	English	Professional Proficiency
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REFERENCES

Mohd Ridzuan Tajuddin - Head of Operation IT, Muzamal Industries Sdn Bhd
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Dr. Norsaidatul Mazlan - Managing Director, Think Plus Group of Companies
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