



Ts. MOHAMAD ZAKI BIN SAHAD
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اوتیورسیتی ملیسیا فهغ السلطان عبد الله
UNIVERSITI MALAYSIA PAHANG
AL-SULTAN ABDULLAH

Academic Qualification

1. Master of Engineering (Chemical), Universiti Malaysia Pahang Al-Sultan Abdullah (2014)
2. Bachelor of Engineering (Biochemical), Universiti Kebangsaan Malaysia (2005)

Brief Profile

Ts. Mohamad Zaki obtained his master's degree in chemical engineering (by research) at Universiti Malaysia Pahang Al-Sultan Abdullah (UMPSA). Currently, he is working as a Vocational Training Officer at Pusat TVET Termaju, UMPSA. He has been involved in chemical and biochemical education training for almost 18 years through his years in UMPSA.

His major interest areas are environmental and biochemical engineering disciplines. He has been involved in research and project consultancy at UMPSA as a technical member of the projects.

Professional Qualification / Membership / Affiliation / Certification

1. Professional Technologist/PT18070050/Biotechnology
2. Board of Engineers Malaysia/Graduate Engineer/G1602060A/Chemical
3. Certificate in Water & Wastewater Analysis

Area of Interests / Expert

1. Adsorption
2. Water & wastewater analysis
3. Biological wastewater treatment
4. Bio-separation

Project Consultancy

1. Water & wastewater analysis for Petronas project.
2. Member for the following research projects:
 - i. Waste to Valuable By-products: Physical and Chemical Transformations Of Palm Oil Decanter Cake Into Selective and Effective Adsorbents (RDU080302)
 - ii. Mercury Removal Form Petrochemical Wastewater Using Portable Mercury Removal Rig (PMRR) for Enhancing Water Quality (RDU100344)
 - iii. Assessment of Microbial Fuel Cell in Treating High Strength Spent Caustic Wastewater (RDU150392)
 - iv. Removal of Chloride from Rare Earth Wastewater Industrial using Bioremediation Hybrid with Electrocoagulation System (RDU1603120)
 - v. Kinetics and Thermodynamics Analysis of Phytosterol Esters Synthesis from Cocoa Shell Waste and Trans esterified Jatropha Oil (CSW-TJO) over Impregnated Egg Shell Catalyst (IESC) (RDU160126)
 - vi. Synthesis and characterization of adsorbent produced from landfill sludge (RDU1703110)