

CURRICULUM VITAE (CV)



Khairol bin Mohd Zainal

Bachelor of Science with Honours (Resource Chemistry)

Address:

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Jalan Matang-Batu Kawa,
93250 Kuching,
Sarawak.

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PERSONAL PARTICULARS

NRIC : 911231-13-5453

Age : 26 Years Old

Gender : Male

Marital Status : Single

Place Of Birth : Kuching, Sarawak

Race : Malay

Religion : Islam

Nationality : Malaysian

EDUCATION

Pusat Pembangunan Kemahiran Sarawak (PPKS) Sept 2015 – Jun 2016

Course: Industrial Skill Enhancement Program (INSEP) – Certificate in Occupational Safety and Health Officer

UNIVERSITY MALAYSIA SARAWAK (UNIMAS) 2011-2015

Faculty : Resource Science and Technology

Course : Resource Chemistry

Level : Degree in Science (with honours)

Current CGPA : 2.76

STPM (SMK St. Thomas, Kuching)

(2010)

SUBJECT

Pengajian Am

Physics

Chemistry

Mathematics

GRADE

B+

C

B-

C+

MUET

Band 3

INDUSTRIAL TRAINING

- i. Placement : Akademi Binaan Malaysia Sarawak
Duration: 12 weeks
 - assist in the application of OHS procedures
 - develop injury and incident prevention strategies for their area
 - monitor local area compliance with OHS policy and procedures
 - help promote OHS awareness
- ii. Placement: Jabatan Mineral dan Geosains Malaysia Sarawak
Duration: 12 weeks

INDUSTRIAL MINERAL UNIT	<ul style="list-style-type: none">• Learned to operate analytical instrument (UV-Vis, AAS) and conducted variety analysis tests for different sample.
INDUSTRIAL EXPLORATION UNIT	<ul style="list-style-type: none">• Learned and trained on water analysis using electrometric method• Exposed to the theory and the concept in ICP-MS for the stream sediment sample
COAL UNIT	<ul style="list-style-type: none">• The only government coal laboratory has ISO accreditation• Attended 1 week training course regarding basic concept and the theory of coal.
WATER AND ROCK UNIT	<ul style="list-style-type: none">• Conducted test analysis for water sample (pH test, colorimetric test, and total solid & total dissolve solid) using titrimetry method and colorimetry method.

FINAL YEAR PROJECT

Title: Synthesis of Aspirin-Chalcone derivatives and Their Antibacterial Study

Descriptions: This study was an attempted to syntheses antibacterial compounds and explore a way to improve the antibacterial properties by combining with aspirin using Claisen-Schmidt condensation method. The structure of the compounds was determined using FT-IR and NMR, before proceed with antibacterial testing with E.coli using spread plate method.

The main goals of this research was

- i) To synthesis aspirin-chalcone derivatives
- ii) To characterize the synthesis compounds using appropriate instruments.
- iii) To investigate their antibacterial activity toward *E.Coli*

EXTRA-CURRICULAR ACTIVITIES

Universiti Malaysai Sarawak (UNIMAS)

Year	Descriptions
2015	Participant in Graduate Employability 3.0 by Pusat Pembangunan Pelajar (PPP), UNIMAS
2014-2015	Sectarian of exco logistic for Kelab PEMADAM (Pesatuan Mencegah Dadah Malaysia) UNIMAS
2013-2014	Vice President of Rafflesia College Representative Committee session 2013/2014
2013	Exco Logistic for Programme Travelog Kenyalang organized by Pembimbing Rakan Intelek Mahasiswa UNIMAS (PRIMU)
2013	Liaison Officer (Logistic and Technical) for Minggu Aluan Pelajar intake February 2013
2012	Liaison Officer for Carnival K4U, UNIMAS
2012	Liaison Officer for UNIMAS 16 th Convocation
2012-2013	Sectarian of exco logistic for Pembimbing Rakan Intelek Mahasiswa UNIMAS (PRIMU) session 2012/2013
2012	Liaison Officer (Food & Beverages) for Minggu Aluan Pelajar intake September 2012
2012	Liaison Officer (Registration) for Minggu Aluan Pelajar intake February 2012
2011-2012	Sectarian of exco logistic for Persatuan Sains dan Teknologi (PERSAINTEK) session 2011/2012

S.M.K. St. Thomas, Kuching

Year	Descriptions
2010	School Representative for Chess Competition (Inter-school)
2010	Secretary for Scout Club, S.M.K. St. Thomas
2010	Vice Treasurer for Basketball Club, S.M.K. St. Thomas
2009-2010	Class Perfect for S.M.K. St. Thomas

SKILLS/STRENGTH

- Good analytical and technical skill (UV-Vis, AAS, FT-IR, NMR)
- Good team management skills
- Proficient in Microsoft Office (MS Word, Excel, PowerPoint)
- A Proactive Learner, Punctual, High Determination, and Open Minded Person

REFERENCES

1. Puan Debra Adrian	2. Encik Balachandar A/L Subramaniyan	3. Dr. Gaddafi Bin Ismaili
Pengawai Psikologi, Unit Kauseling dan Keabajikan. Universiti Malaysia Sarawak, 94300, Kota Samarahan, Sarawak. Telephone No. : 0198668220 E-mel: adebra@hep.unimas.my	Pengawai Geosains Kanan, Jabatan Mineral dan Geosains Malaysia Sarawak Jalan Wan Abdul Rahman, Kenyalang Park, 93712, Kuching Sarawak. Telephone No. : 0122577706 E-mel: chandru@jmg.gov.my	Timbalan Dekan, Pusat Pembangunan Pelajar (PPP), University Malaysia Sarawak, 94300, Kota Samarahan, Sarawak. Telephone No. : 0168585861 E-mel: igaddafi@unimas.my