



ABDULLAH AMRU B. INDERA LUTHFI



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Amm Roeh

Profile Summary

An enthusiastic self-starter with strong leadership, teamwork and communications skills. Highly conversant with Biotechnology, Chemical Engineering (including plant design and safety) and Nanotechnology as well as the basics of Engineering Management and Economics. Able to analyse and address unique problems as well as tackle emergencies. An effective planner with a flair for working hard and contributing towards the achievement of organizational goals.

Personal Particulars

Name: Abdullah Amru B. Indera Luthfi

Sex: Male

Date of Birth: 27th May 1990

Age: 24

Nationality: Malaysian

Race: Malay

Religion: Islam

Marital Status: Single

Spoken Language: Malay & English

Education and Qualification

B.Eng(Hons) in Biochemical-Biotechnology Engineering

International Islamic University Malaysia, (IIUM), Gombak (2010 - 2014)

2nd Class Upper

Elective Courses: Carbon Nanomaterials and Applications, Food Engineering, Integrated Design Project (IDP).

Scores: A-

Foundation in ENGINEERING Programme

Centre for Foundation Studies, International Islamic University Malaysia (CFSIIUM), Petaling Jaya, formerly known as Matriculation Centre IIUM (2008-2009) www.iiu.edu.my/asasi

Secondary School

Sekolah Menengah Islam Al-Amin, Gombak (2002 - 2007)

Final Year Project (Degree) – Development of Fish Gelatine Nanoparticles from Tilapia Fish

The use of fish skin instead of mammalian sources as raw materials for gelatine production was mainly to create value-added product from waste. In fact, Malaysia is a tropical country where fish is omnipresence. Fish by-product also gives minimal religious restrictions. Owing to the biodegradability and biocompatibility of protein nanoparticle, gelatine nanoparticle is recognized as an excellent matrix for drug delivery. It has been demonstrated for use in treating many peculiar diseases such as anti-cancer treatment (i.e. curcumin), anti HIV and anti-tuberculosis (i.e. rifampicin) with excellent efficacy. However, factor of stability remains a crucial bottleneck for nanoparticles fabrication.

The objectives of this individual project are to determine the physico-chemical properties of Red and Black Tilapia fish gelatine and to optimize process condition for the fabrication of gelatine nanoparticles from Tilapia fish skin. Optimization is done using a face-centered central composite design (FCCCD) in Response Surface Methodology (RSM) with the aid of software Design-Expert.

Score: A-

Integrated Design Project (Degree) - Techno-economic Feasibility Analysis of 100,000 L/day Continuous Production of Ethanol from Sugarcane Molasses

The project was consisted of 6 members aimed at establishing the whole plant considering all aspects (i.e. mass and energy available, sizing and capacity, waste management, market survey, plant site selection, cost analysis, HAZOP study etc.) - to produce bio-ethanol from sugarcane molasses in Malaysia. Software(s) employed for the whole project were CATIA and SuperPro.

Score: A-

Extra Curricular Activities

University

- Member of COMRADE society (Persatuan Orang Asli)
- Participant of Academic Enhancement and Personal Growth (AEPG)
- Member of Biochemical-Biotechnology Engineering Students' Association (BESTA) 2012
- Participant of Jogathon – “Go Green Campaign” 2010
- Observer of Biotechnology exhibition at PWTC
- Participant of Intellectual Discourse 1,2,3
- Participant of Ziarah To Kg. Husin, Perak Programme
- Participant of Zoom in Biotechnology
- Bureau of IMAC team building and program management 2012
- Member of IIUM's Community Service
- Bagged first prize in the SNAP-PETITION of Engineering Industrial Training
- Awarded with the Dean's List in the final semester of 2014

Secondary School

- Participant of Malay debate programme – 3rd speaker
- President of Music and Vocal club (MUVOC)2006
- Lance Corporal of Jabatan Pertahanan Awam Malaysia (JPA3)
- Participant of 'Uji Lasak' – Explorace II
- Library Prefect 2007
- Publication bureau of Wafdul Amin 2006

Others

- National Service programme 2008 at Kem Indra Pahlawan, Maran Pahang
 - Participant of Explorace III 2008, Sekolah Menengah Islam Al-Amin, Gombak
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Software Skills

- Microsoft Office: Word, Excel, Powerpoint
 - Adobe Photoshop
 - Corel Draw
 - CATIA
 - Basic Macromedia Flash
 - Design Expert
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Working Experiences

- Officer at International Islamic University Malaysia, Petaling Jaya, Selangor, 2009
 - Bookseller at Popular, Petaling Street, 2008
 - IT teacher at Sekolah Rendah Islam Al-Amin, Gombak, 2008
 - Waiter/Catering Staff under Sime Darby Berhad, 2014
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Hobbies and Interests

- Poster, Banner and Flyers Designing
- Music and Instruments
- Photography
- Community Service
- Reading and/or writing