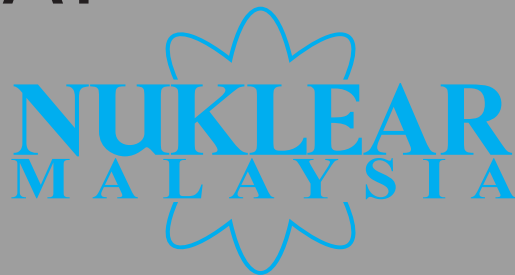


RESEARCH TRAINING EXPERIENCES AT



INTRODUCTION

Type of company : Government Research Institution
Location : Agensi Nuklear Malaysia, Bangi, 43000 Kajang, Selangor
Department assigned : Pusat Teknologi Reaktor (PTR)
Institution Supervisor : Dr Norfarizan bt Md Saïd
Faculty Supervisor : Dr Amiruddin b Shaari



PROJECTS

1. Research Studies on Small Angle Neutron Scattering (SANS) instruments
Objective: Prepare a review paper for SANS instrument's upgrade at Nuclear Malaysia
Progress: Submitted the draft and abstract of the paper
2. Created a video of Core Configuration of fuel element at reactor core
Objective: To show the changing of fuel element arrangement in animation form
Progress: Submitted the video before the deadline



TRAINING SCOPE

Divides into:- i) Reactor Operation
ii) Reactor Maintenance
iii) R&D at reactor facilities which mainly composed of article extraction and hands-on experiment at the reactor's beamport.



PRICELESS EXPERIENCES

I got the opportunity to work very close to the only nuclear research reactor in Malaysia with experienced RO. My team and I did experiments at three out of four beam port in Nuclear Malaysia. We learned on how to operate the reactor, increase its power at both real and simulation console. We also did irradiates user's sample and joined maintenane operation on SCRAM and Interlock Test.



HOW TO DO YOUR INTERNSHIP AT NUKLEAR MALAYSIA?

Go to: <https://www.nuclearmalaysia.gov.my/new/edu/LP-application.php>
OR

Contact:

Name : Nita Salina Binti Abu Bakar
E-mel : nita@nuclearmalaysia.gov.my;

Name : Nuraini binti Umar
Emel : nuraini@cc.nuclearmalaysia.gov.my



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**UNIVERSITY
OF MALAYA**
PRCUM
PHOTONICS RESEARCH CENTRE

CONTACT INFO

DR ROZALINA ZAKARIA

Nanophotonics Lab

rozalina@um.edu.my

Mobile: +6012-93271150

Office: +603-79674177



Labs in PRCUM
-Ultrafast laser lab
-Fiber Bragg Grating
-Nanophotonics
-Planar Light Wave

Helping Dr Roza
and her students
doing research on
their PhD projects.

Experience as a
researcher / PhD
student; Learning more
hands-on experiment
other than theories;
Team working and
communicating skills.



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PRCUM (est. 1979)
had become HiCOE in
Malaysia since 2014.
Collaborated with
Telekom Malaysia.

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Constructing **Surface
Plasmon Resonance-
based Sensor.**

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Studying **Saturable
Absorber** applying in
**Q-switched and mode-
locked fiber laser.**

Studying **Nonlinear
Optical Properties** of
nanoparticle and 2D
material via **Z-scan
measurement.**



AIN AJEERAH BINTI RAMLI



Bachelor of Science (Physic)
Universiti Teknologi Malaysia



ainajeerah96@gmail.com

MINT-SRC



Block F5, Universiti Tun
Hussein Onn Malaysia,
86400 Parit Raja, Batu Pahat,
Johor,
Malaysia



TEL: 07-4538611
FAX: 07-4536060



mintsrc.uthm@gmail.com

SUPERVISORS

INDUSTRY



Head of Center,
Microelectronic &
Nanotechnology-Shamsuddin
Research Centre(MiNT-SRC),
Institute of Integrated
Engineering (I2E)

PROF. MADYA DR
NAFARIZAL BIN NAYAN

FACULTY



Lecturer,
Department of Physic,
Faculty of Science,
Universiti Teknologi Malaysia

DR MD SUPAR
BIN ROHANI



MiNT-SRC

Microelectronics and Nanotechnology
Shamsuddin Research Centre

What is MiNT-SRC

Microelectronics & Nanotechnology -
Shamsuddin Research Centre or MiNT-SRC
are focusing on researches that support
microelectronic, semiconductor and
nanotechnology industries. They also
encourage research and development
among students, researchers, and lecturers,
also become a training and consultant
center in microelectronic, semiconductor
and nanotechnology areas

experiences



- * Gain knowledge related to research in semiconductors, electronics and nanotechnology.
- * Operates facilities provided at MiNT-SRC.
- * Able to handle and conduct the project given.
- * Build good relationships and cooperation with workers and industry supervisors.
- * Get experience in real working environment

JOB SCOPE TRAINING

SPUTTERING PROCESS OF THIN FILM DEPOSITION OF GOLD USING SPUTTER COATER

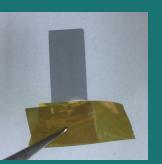
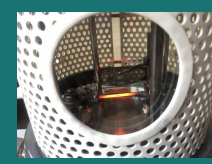


Depositing glass slides using gold as target with different current rates.



EVAPORATION PROCESS OF PVD TECHNIQUE FOR ALUMINIUM

Measure the thickness of aluminium deposited on glass slides at lowest mass



WORKING PRINCIPLE OF MACHINES

Learning and practicing the principle and step to conduct the machines such as FESEM and UV-Vis spectropotometer



Atiena Husna
3SSCZ



Faculty's supervisor : Prof Mohd Nor
Industrial's supervisor: Encik Mohd Faizuddin



My Internship Journey at PETRONAS UTILITIES GEBENG



Allowance and
uniform provided !

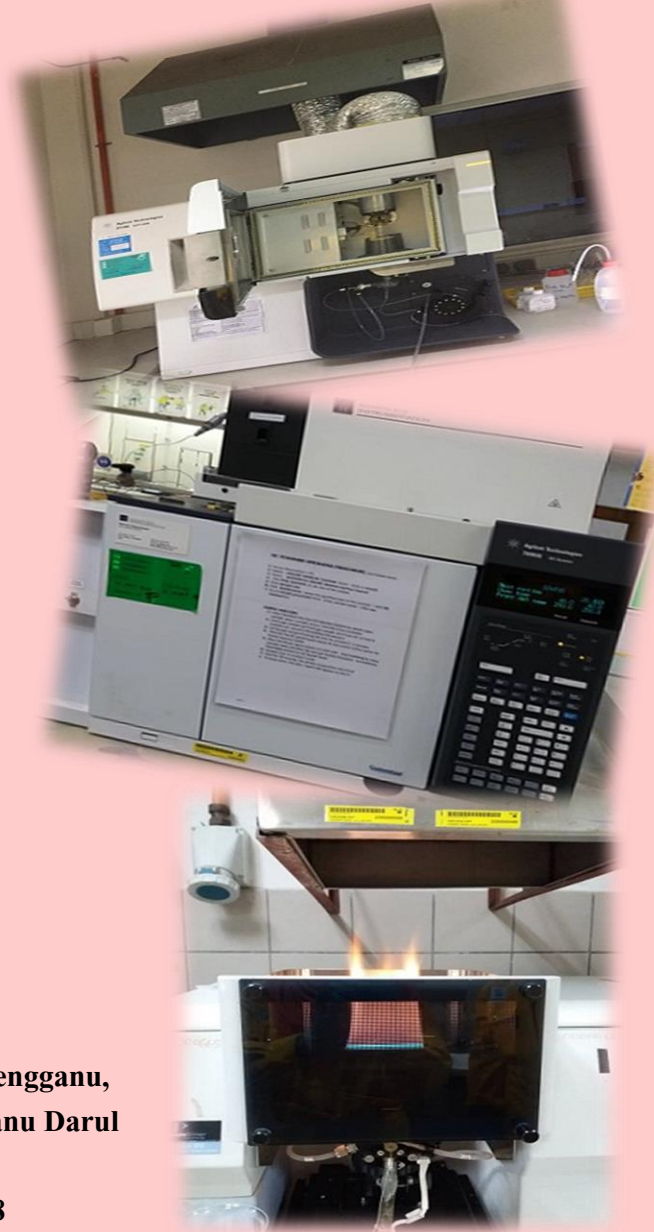
Company's background

PETRONAS GAS BERHAD (PGB's) then PETRONAS Gas was incorporated in Malaysia on 23rd May 1983 under the Companies Act, 1965 as a private limited company and commenced business on 1st April 1984. In order to support PETRONAS development plan in turning Malaysia into a regional petrochemical centre, the Centralised Utility Facilities (CUF) project has been implemented In Kertih, Terengganu and Gebeng, Pahang under Petronas Gas Berhad.



Contact :
PETRONAS Gas Berhad
KM105, Jalan Kuantan/Kuala Terengganu,
24300 Kertih, Kemaman, Terengganu Darul
Iman, MALAYSIA
T: +(09) 831 2130 F: +(09) 827 1818

Learnt and handling advanced equipment



Priceless experience



Billion Prima Sdn. Bhd.

SOFTWARE DEPARTMENT:

THSCAN NETWORK SOLUTION SDN. BHD.

specializes in supplying scanner products and systems with technologies developed by our counterparts. A wide range of scanning system is available for application in security field.

SUPERVISOR:

INDUSTRY:
JOANNE SOH
THSCAN NETWORK
SENIOR STAFF

FACULTY:
**DR ABD KHAMIM
ISMAIL**

1st task: Data Encryptor

- BUILD PROGRAM WORK TO SECURE COMPANY DATA INTO ENCRYPTED CODE.
- BUILD EFFECTIVE AND EFFICIENT PROGRAM.
- LEARN ABOUT DATA ENCODING AND ENCRYPTING.

2nd task: WhatsApp Messenger

- BUILD GUI PROGRAM FOR WHATSAPP APP.
- MAKE SIMPLER PROGRAM TO BE CALLED BY OTHER PROGRAM TO SEND MESSAGES OR NOTIFICATIONS FOR CUSTOMERS.

THINGS I HAD LEARNT:

1. LEARN NEW COMPUTER LANGUAGE: C# AND C++.
2. ACHIEVE TO BUILD EFFICIENT SOFTWARE PROGRAM.
3. LEARN MORE ABOUT SOFTWARE AND INTERNET SECURITY.
4. STUDY DEEPLY ABOUT WHATSAPP.

Muhammad Harussani bin Moklis
A15SC0101
3SSCZ



CONTACTS:
07-5701046

No. 181A, Jln Impian Emas 22, Tmn Impian Emas 81300 Skudai, Johor.



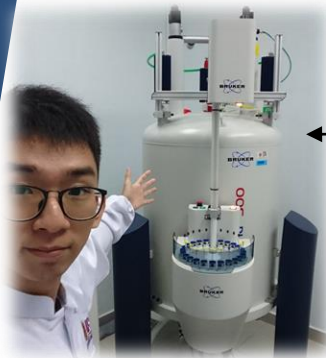
UNIVERSITI SAINS MALAYSIA



School of Pharmaceutical Science

ESTD 1972

Nuclear Magnetic Resonance Machine

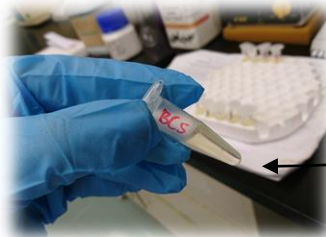


INSTURMENTS

- Pipette
- Microcentrifuge tube
- Centrifuge
- NMR tube
- NMR machine
- Fume chamber



Samples in microcentrifuge tube



WHAT WILL YOU LEARN?

- Sample preparation technique
- How to handle NMR machine
- How NMR works
- Communication
- Experimentalist/ Postgraduate life

-80°C Freezer!



OUTCOMES

Coming to USM, Penang, is a fun experience for me as things are rather convenient over here. Public transportation like bus, taxi, and Uber are readily available. Other than learning in a different environment, there are also a lot of chance to meet great people from other countries. It is also part of the learning curve to be more independent, stronger, thereby improving ourselves.

Baharudin Ibrahim, Dr.
Lecturer
B.Pharm (Hons)(USM)
M.Pharm (Clinical Pharmacy) (USM)
PhD (Manchester, U.K)
J01 Room 110
School of Pharmaceutical Sciences
Tel : 604-6533888 Ext. 5839
Email : baharudin.ibrahim@usm.my





INFOGRAPHIC



COMPANY BACKGROUND

➔ Ener Tech Solutions Sdn. Bhd. was founded in April 2007. We offer our clients total solutions for their industrial automation needs to improve productivity, quality, reliability, maintenance, record keeping, and profit.



OBJECTIVE OF INDUSTRIAL TRAINING

- ➔ To apply the theory and academic knowledge to job related problem at the work place.
- ➔ To provide a channel for sharing or exchanging ideas, knowledge, and technologies between student and staff of industry.
- ➔ To gain exposure to the demand and challenges of the work place and to obtain or acquire knowledge



Contact

Address: 124 Jalan Sentral 1,, Taman Nusa Sentral,, 79100 Nusajaya, Johor
Phone: 012-788 7357

VISION ➔ To be world class control system solutions provider in regional and global market

MISSION ➔ Provide professional high quality and cost-effective control system solution with value-added services whilst exceeding customer expectation



JOB SCOPE

- SERVICE CONTRACT
- INSTRUMENT AND ELECTRICAL SERVICES
- ELECTRICAL AND INSTRUMENT MAINTENANCE
- DOCUMENTATION



LEARNED THINGS

- ➔ Apply the appropriate aspects of the subject that related with physics
- ➔ Learned how to install the instrument and how its operate
- ➔ Learned the existing security regulations in the industry.



UTM
UNIVERSITI TEKNOLOGI MALAYSIA

RESEARCH TRAINING PROGRAMME

Hi-Tech Instruments Sdn. Bhd,
Bandar Bukit Puchong,
47120 Puchong, Selangor



HITACHI Inspire the Next



INTRODUCTION

Providing specific solution based on light, laser, x-ray, ion and electron excitation of materials

TRAINING SCOPE

Learning on new technology
Sample preparation
Image analysis

HOW TO CONTACT

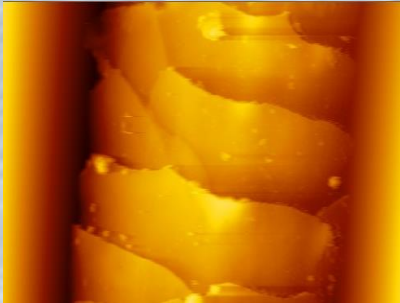
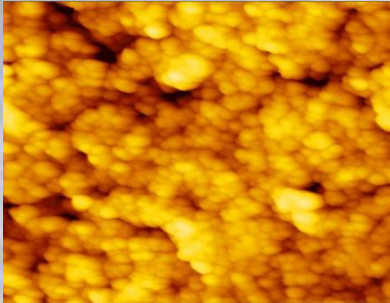
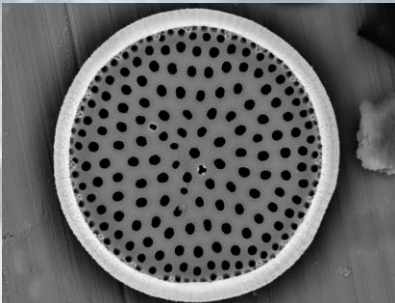
Tel : + 603 - 8061 2228
Fax : + 603 -8061 6668
Web : www.htiweb.com

**Scanning Electron Microscope
TM3030Plus**

**Scanning Probe Microscope
AFM5000**


**THE BEST
INSTRUMENT IN
MALAYSIA**

Prepared by MUHAMMAD IZZUDDIN BIN SULIMAN (PURE PHYSICS)



My internship



About Me



*Name: Che Wan Nor Adila
Binti Che Wan Kassim
Course: 3SSCF*

Faculty Supervisor



*Prof. Madya Dr. Yusof
Munajat*

Industry Supervisor



*Name: Dr. Nor Iza Binti
A. Rahman
Position: Medical lecturer*

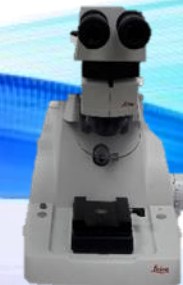
About company



*Internship Place: Fakulti
Perubatan, UnisZA
Address: Fakulti Perubatan,
Universiti Sultan Zainal Abidin,
20400 Kuala Terengganu,
Terengganu
Motto: "Ilmu dan Akhlak"*

My Mini Project

- 1. Processing of rat kidney tissue to view under TEM*
- 2. Commercialization of Tecnai G2 BioTwin TEM*





- **HANDLE TRIBOMETER MACHINE .**
- **DRAWING SAMPLE USING SOLID WORK**
- **PRINTING SAMPLE USING 3D PRINTER .**

TRAINING SCOPES.

MINI PROJECT.

- **TRIBOLOGICAL PROPERTIES OF 3D-PRINTED PIN WITH INTERNAL STRUCTURE AT DIFFERENT GEOMETRY FORMATION UNDER DRY SLIDING CONDITIONS.**

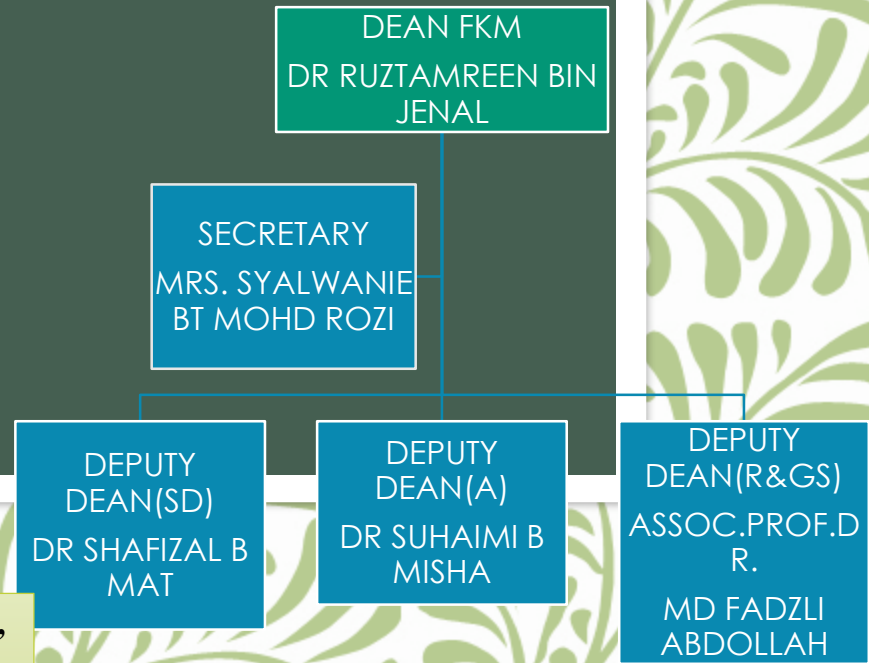
- **GAINING NEW KNOWLEDGE .**
- **LEARNING ABOUT TRIBOLOGY AND 3D PRINTING .**
- **HANDLING TRIBOMETER MACHINE .**

EXPERIENCES

INTRODUCTION TO FACULTY OF MECHANICAL ENGINEERING

• **The faculty was established in June 2001 and comprises of 4 technical departments-Dept. of Thermal-Fluids, Dept. of Structure & Materials, Dept. of Design & Innovation, Dept. of Automotive. The objective is to offer high quality academic program by implementing Outcome Based Education (OBE).**

FKM ORGANISATION CHART



CONTACT PERSON:
EMAIL: sitinurbaizura@utem.edu.my
PHONE : 06-2346891 (Puan Syalwanie)

**ADDRESS : FACULTY OF MECHANICAL ENGINEERING ,
HANG TUAH JAYA ,DURIAN TUNGGAL , 76100,
MELAKA MALAYSIA**

WHAT YOU WILL LEARN

Designing project plan & schematic diagram

JOB SCOPE

Making quotation prices

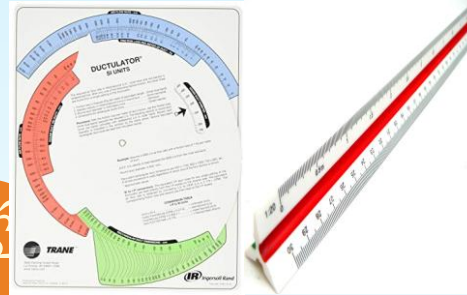
Site supervisors

Real experience as site supervisor

Analysed drawing plan

CAD apps

Tools: Duct calculator & scale ruler



INFINITE M & E SDN BHD commenced its business operation on 12th MARCH 2008. It was established as a trading and contracting firm specializing in the design, supply, installation and maintenance of process cooling system, HVAC, clean room and other mechanical and electrical business services.

INFINITE M & E SDN BHD offering services in the field of mechanical and electrical engineering in relation to air conditioning, air compressor system, process cooling system, mechanical ventilation system, building automation system, clean room set-up and other M & E works.

**MUHAMMAD NAJIEB
BIN NOR DIN
(A15SC0108)
SCIENCE FACULTY, UTM**



**CONTACT:
INFINITE@INFINITEMNE.COM
07 361 8296**

INFOGRAPHIC OF INTERNSHIP

STUDENT DETAIL



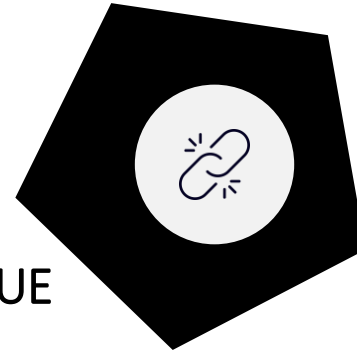
-Nurfatin Fazlina binti Basri
-A15SC0199
-3 SSCZ
-DR Hang See Pheng
-En Muhammad Faiz Yusof

JOB SCOPE

- Do documentation
- Work on theories understanding
- Dealing with supplier
- Manual for MVSB product

WORKING EXPERIENCE

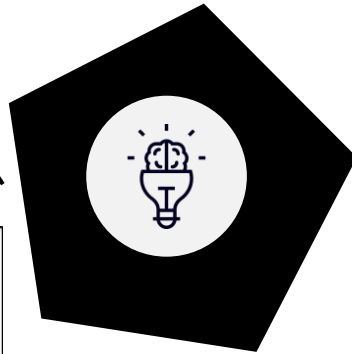
- Involve in production of magnetron sputtering and solar simulator



MAGNA VALUE
SDN BHD



PROUDLY SERVE YOU!



CONTACT INFORMATION

-En Muhammad Faiz Yusof
Project Development Manager MVSB
-010-916 1656
-Sg Petani, Kedah

BACKGROUND OF MAGNA VALUE

Magna Value Sdn Bhd is a leading trading company supplying various machines and instruments for local universities and research institutions in Malaysia, also a progressive company that is realizing the dreams and happiness of customers by providing them with the best services and goods.

PICTURE



Infographic of Internship

PHOTONICS RESEARCH CENTRE, UNIVERSITY OF MALAYA



OSA



TLS



Laser Diode



OPM



Splicer

INSTRUMENTATIONS 1

2 JOB/TRAINING SCOPE



- ✓ Optical Engineering
- ✓ Optical sensors and detectors
- ✓ Fiber laser designing and fabrication
- ✓ Bio-photonics
- ✓ Material processing using laser



3 INTRODUCTION TO PRCUM

Photonics research made its debut in the University of Malaya with the construction of the University very first laser in 1979. Under the guidance of Prof Dr. Harith Ahmad, the laboratory ventured outward, further expanding the research activities of the Photonics Laboratory to encompass not only lasers but also fiber optic devices and planar waveguide circuits since 1995.



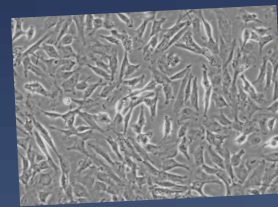
Personal Details

Nur Farahliyana binti
MOhd Ali
3 SSCZ
UTM Supervisor:
Dr Raja Kamarulzaman
Raja Ibrahim
Company Supervisor:
Dr Mohd Zamani Zulkifli



My INTERNSHIP @ UNISZA

UNIVERSITI SULTAN ZAINAL ABIDIN



NEUROBLASTOMA CELL



ABOUT ME

ALIAH SYAFINAH BT ANI SARUDIN
A15SC001
3SSCZ - PHYSICS
TRAINEE AT UNISZA TEM LAB
JUNE - SEPTEMBER 2018



SUPERVISORS

UTM: PM DR YUSOF MUNAJAT
RESEARCH: DR NOR HIDAYAH ABU BAKAR
MS AZLINA MAMAT



ABOUT COMPANY

FAKULTI PERUBATAN UNISZA, KAMPUS KOTA,
JALAN SULTAN MAHMUD, 20400, KUALA TERENGGANU,
TERENGGANU, MALAYSIA.

VISION: FACULTY OF MEDICINE ASPIRES TO BE AN
EXCELLENT INSTITUTION IN PRODUCING HIGH QUALITY
HEALTH PROFESSIONALS, RESEARCHES AND COMMUNITY
SERVICES.

MISSION: FACULTY OF MEDICINE SHALL PROVIDE
DYNAMIC CURRICULUM GUIDED BY EXCELLENT EDUCATORS
IN CONDUCTIVE ENVIRONMENT, NURTURE A SUSTAINABLE
RESEARCH CULTURE AND INCULCATE COMMUNITY-FOCUSED
ACTIVITIES.

TEL: +6096275546
FAKS: +609627771/5772
HTTPS://FP.UNISZA.EDU.MY

INSTRUMENTS



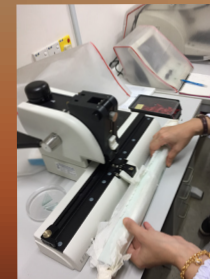
FEI TECNAI G2 BIOTWIN 120KV TEM



LEICA EM UC7 ULTRAMICROTOME



LEICA EM AUTOMATED
TISSUE PROCESSOR



LEICA EM KNIFE MAKER

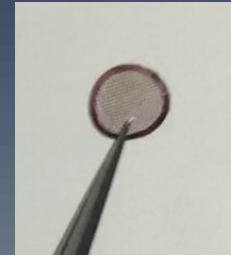
PROJECTS

- PREPARE NEUROBLASTOMA SHSY5Y CELL AS TEM SAMPLE MANUALLY
- PREPARE SOP FOR SAMPLE PROCESSING'S INSTRUMENT; ULTRAMICROTOME & AUTOMATED TISSUE PROCESSOR
- PREPARE COST CONSUMPTION TO COMERCIALIZE TEM

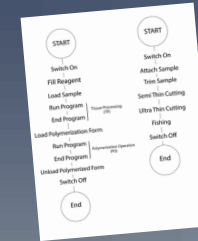


CELL'S PLATELET

PROJECT FINDINGS



SAMPLE ON COPPER GRID
-READY TO VIEW UNDER TEM-



EM AMW & UC7 SOP



PRICELESS EXPERIENCE

- LEARNT DIFFERENT FIELD OF KNOWLEDGE - BIOLOGY&MEDICINE
- PREPARED NEUROBLASTOMA CELL
- CONDUCTED LEICA MACHINES; UC7, EM AMW, EM KMR3
- JOINED MICROBIOLOGY PRACTICAL CLASS, MAJLIS HARI RAYA FP
- GET TO KNOW NEW FRIENDS

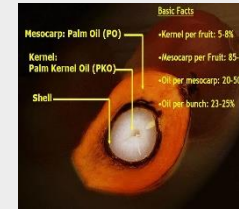
TEM SAMPLE PROCESSING:
RM78.81/SAMPLE
TEM VIEW:
RM247.71/HOUR
**NOT INCLUDING CONSUMABLES
TAX & DELIVERY CHARGE
AND LABOUR COST





FELDA Palm Industries Sdn Bhd(FPISB)

Norazimah Abd Azis
A15SC0134
3SSCF



FRUITLETS

Training Experiences

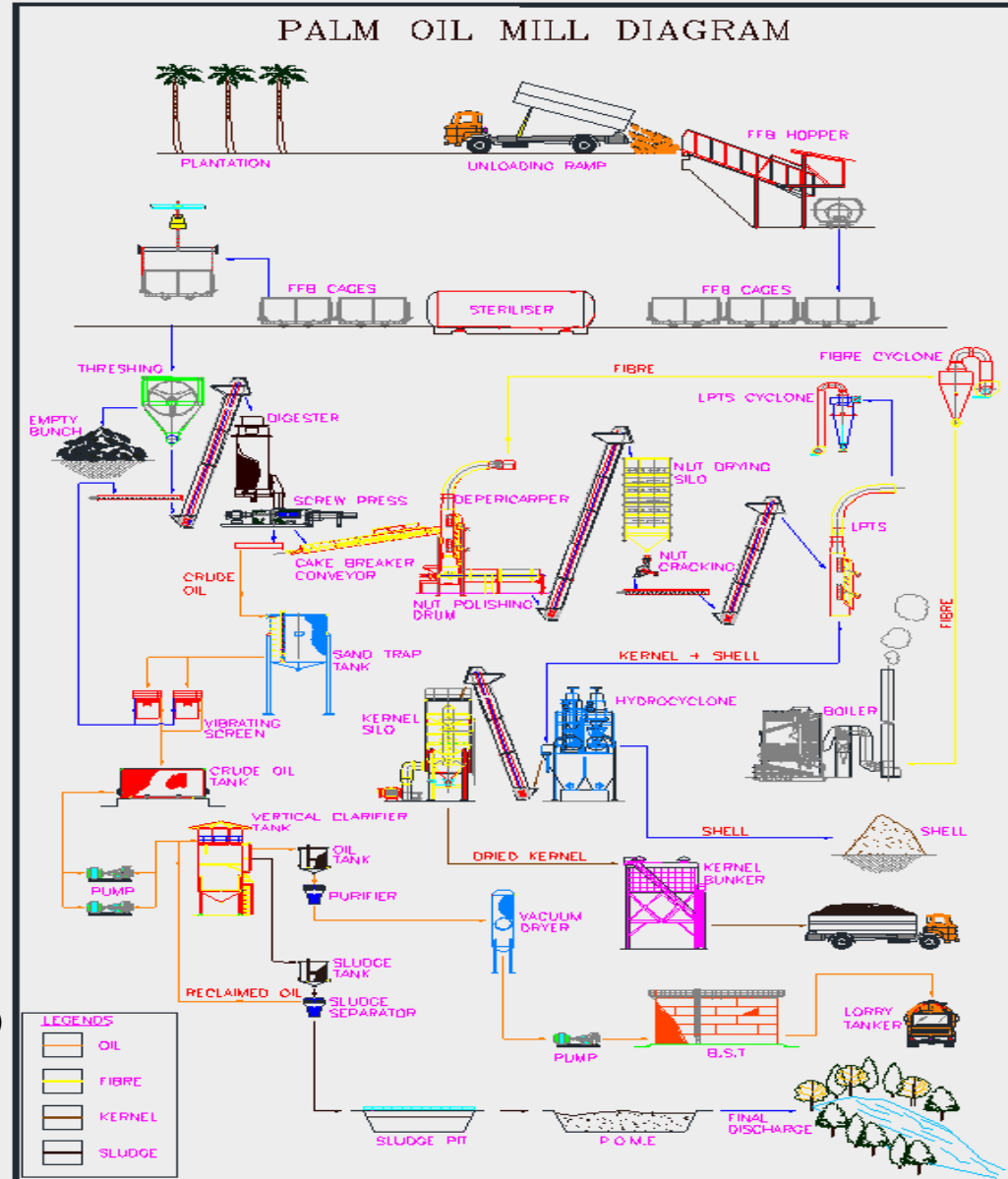
Mills' Visit - Get the chance to see how to produce oil from the fresh fruit bunch

❖ Study the functions and mechanism of each machineries in the mills

Exposed to real working environment

Learned Valuable Skills

- Critical and analytical thinking
- Time management
- Goal management
- Colleague interaction



Fresh Fruit Bunch (FFB)

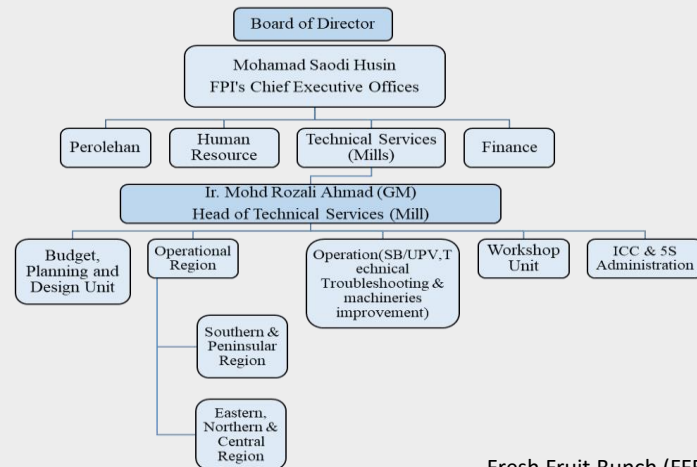
Company's Detail

Level 21, Menara FELDA, No 11, Platinum Park, Persiaran KLCC, 50088, Kuala Lumpur.

Department of Technical Services

Deals with the operation mills to ensure that the mill operates at its best condition to target for high Oil Extraction Rate(OER) and Kernel Extraction Rate(KER)

Organizational Structure



I do my internship at



THINGS THAT LEARNED

KAMPUS PERUBATAN

Universiti Sultan Zainal Abidin,
Kampus Perubatan,
Jalan Sultan Mahmud,
20400 Kuala Terengganu,
Terengganu Darul iman Malaysia

How To Contact ?

- 09-668 8888
- 09-668 7883
- pendaftar@unisza.edu.my



More Info

UniSZA currently operates three campuses, namely Kota Campus, Gong Badak Campus and Besut Campus. Kota Campus is dedicated to Faculty of Medicine and Health Sciences.

TASKS TO DO DURING INTERNSHIP

• **Individual project** – preparation for material sample & do standard operating procedure (SOP) for TEM.

• **Group project** – about commercialized of TEM

Communication skills

Teamwork

Knowledge about new things

Experimental skills

Problem solving

Presentation in front supervisor and other staffs

PRICELESS EXPERIENCES

Learn new things because its more for biology or chemistry student supposedly

TRAINING SCOPE

Learned how to test a sample

Get to use all instruments provided in the Electron Microscope Laboratory

Get to know and handle the TEM machine

Have opportunity to discover all department under Unisza



INSTRUMENTS



Hye, I am **NORSHAHIRAH BINTI ORMAR**
3 SSCZ
A15SC0307

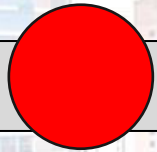
Supervisor details :-
Industry: Dr Nor Hidayah Abu Bakar
Faculty: Prof Madya Dr Yusof Munajat

INFOGRAPHICS OF INTERNSHIP

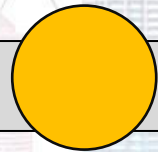
Petronas Twin Tower City Centre, Level 56, Tower 2 Kuala Lumpur



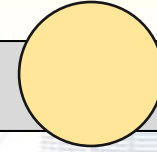
PERSONAL DETAILS



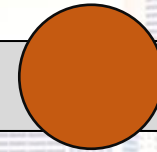
INTRODUCTION TO INTERNSHIP PLACE



JOB SCOPE



LOTS OF PICTURE



- Name : Enny Nadiera binti Shahrol Kamal
- Class : 3 SSCZ
- UTM Supervisor's: Dr Firdaus bin Omar
- Industry Supervisor's : Abd Hafiz bin Abd Halim

- Established on August 17, 1974 – a multi-national oil and gas company belongs to Malaysia Government
- Operating in more than 50 countries.
- 43 years involvement in oil and gas industry.

- 1) Learn how to analysis data :
 - ✓ Incident Database
 - ✓ Planning Performance database
- 2) Exploration – Upstream Health Safety and Environment.
- 3) Updating data and reporting case





Introduction

In agriculture and life sciences, **Malaysia Nuclear Agency (Nuclear Malaysia)** conducts research and development (R&D) using nuclear technology for crop improvement, management for agro-ecosystems for productivity enhancement and development of radiation based bio products and bioprocesses. Study on the impact of radiation on biological systems at cellular level as well as organism level of flora and fauna is also carried out.

Job Scopes

- Research and Development
- Radiation safety
- Services
- Research Training

Instrumentations



Pocket Dosimeter



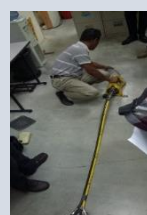
Ground Penetrating Radar (GPR)



X-ray tube



Nuclear gauge - Troxler



Gamma Projector



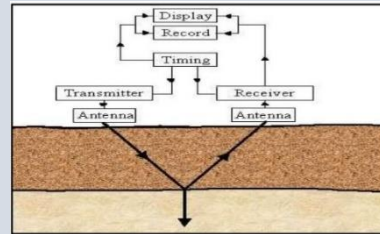
Ultrasonic Thickness Gauge



Survey meter

Mini Project

- Principle of Ground Penetrating Radar
- Detection of Underground Buried Pipes using Ground Penetrating Radar



Things learned

- Basic principle of Non-Destructive Testing (NDT) instruments such as GPR, nuclear gauge, ultrasonic thickness gauge, Gamma projector, X-ray, etc.
- Inspection of defect material using Gamma ray and x-ray.
- Site survey to scan pipes, cables, voids using GPR.
- Measure density and moisture of soils using Troxler.
- Operate compression machine to know the strength of concrete.

Experiences

- Assisted an officer to conduct a research collaboration with Proton.
- Attended certification course and learned to inspect deflection on welding using x-ray and gamma ray.
- Learned about working life and improved soft skills especially communication and teamwork skill



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Prepared by:
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STMicroelectronics Sdn. Bhd.

life.augmented

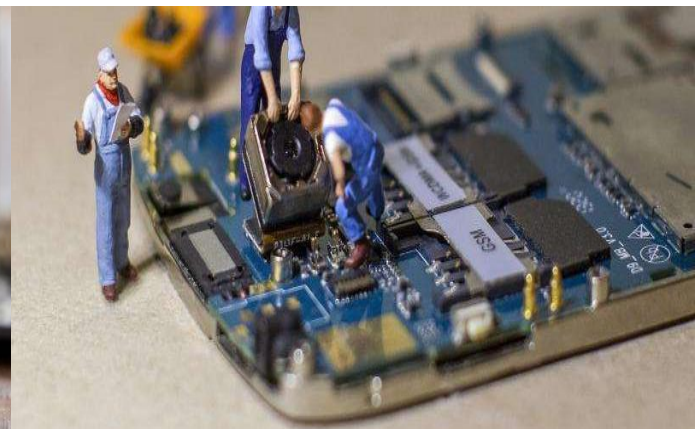
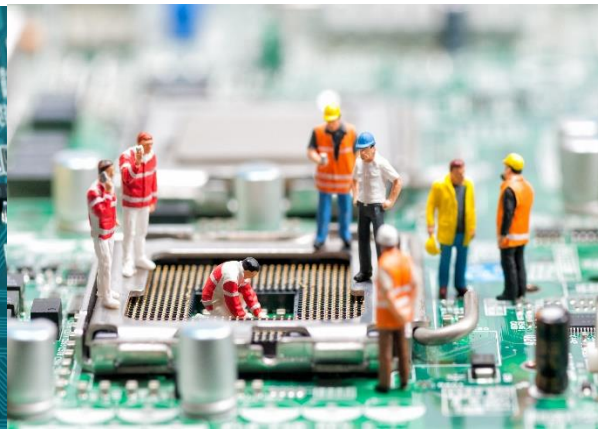
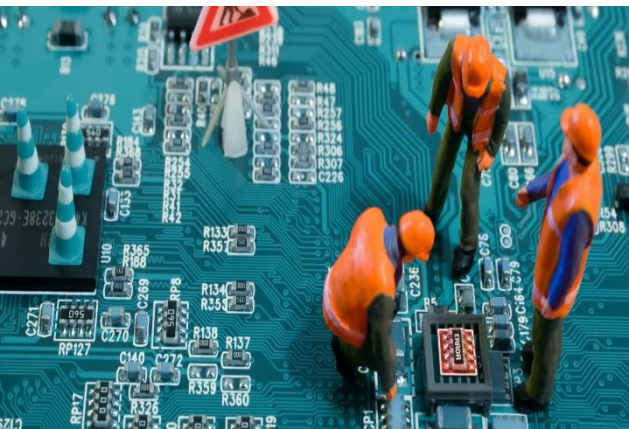
STUDENT NAME :KHAIRUL AIZAT BIN NADZARI
UNIVERSITY :UNIVERSITI TEKNOLOGI MALAYSIA, SKUDAI, JOHOR
COURSE :BACHELOR OF SCIENCE MAJOR IN INDUSTRIAL PHYSICS
DEPARTMENT :PRODUCT ENGINEER
SUPERVISOR :SOH CHIN FOO

Product Engineers?

- New product development
- Tester platform migrations
- Yield/Quality Improvement
- Capacity and Test Cost Improvement
- Line sustaining support

MINI PROJECT (SPIKE CHECK TESTING)

- Technique to check the waveform characteristics of the devices when they are force with certain current or voltage in certain temperature according to the datasheet.
- Spike occur when there is overshoot or undershoot in the set on or set off the device respectively before it go steady to the desired voltage.
- The voltage measured at two different time division
 - Overall test time.
 - Zoom scope level in the waveforms ($\sim 40\mu\text{s}$).
- The reasons for doing the zoom level is to ensure there is no spike occurs (which can do the damage to the devices).
- If there is no spike occur in the zoom level of the waveform, we can confirm that there are no spike occur.



**PETRONAS
AMMONIA**



INTERNSHIP AT PCASB

by SITI NUR SYAHIDAH BINTI ABDUL AZIZ
3SSCF

COMPANY OVERVIEW

PETRONAS ammonia is a company that produce NH₃, CO & oxogas as it's main product

JOB SCOPE/ACTIVITIES

METHANE PUMP

MAINTENANCE LIBRARY UPDATE

AS A COMMITTEE PROGRAM

PM POWER POINT

BURNER
CLEANSING





A one-stop radiation service company that provides various services to the clients. That includes consultancy, laboratory services, training and industrial hygiene

Services

- Radiological services
- Industrial hygiene services
- Training
- Medical radiation services
- Radiation safety services
- Equipment supplies
- Laboratory services

In the early 90's, Alypz Sdn Bhd pioneered the Technologically Enhanced Naturally Occurring Radioactive Material (TENORM) management programme in Malaysia. After few years in this industry, Alypz has successfully become the market leader serving all the top oil and gas companies in NORM/TENORM monitoring services in ASEAN region and also managed to provide comprehensive radiation services across various industries involved with radioactive materials



Contact

ALYPZ SDN BHD

14, JALAN INDUSTRI USJ 1/1,
TAMAN PERINDUSTRIAN USJ 1,
47600 SUBANG JAYA, SELANGOR
<https://www.alypz.com/>

Tel: (+603) 80239200

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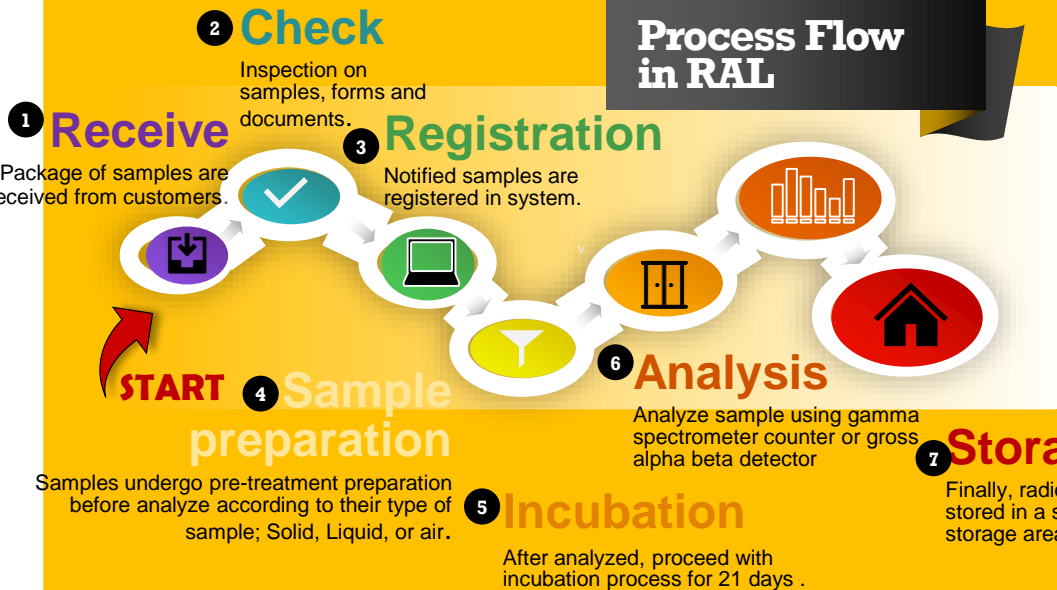
RADIATION PROTECTION & HSSE CONSULTANCY OVERVIEW



Introducing..

Alypz was incorporated as Asia Lab (Malaysia) Sdn. Bhd. in 1985 and was the first company in Malaysia that has dual accreditation from the Atomic Energy Licensing Board (AELB) and Ministry of Health. Alypz pioneered the Technologically Enhanced Naturally Occurring Radioactive Material (TENORM) management programme in Malaysia.

Process Flow in RAL



INDUSTRIAL TRAINING INVOLVEMENT



RADIATION DOSIMETRY SERVICES LABORATORY (RDSL)

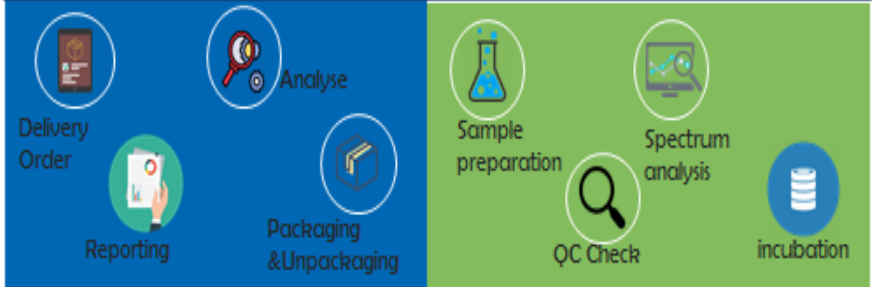
Revolve around dosimetry analysis including delivery, packaging and unpackaging, receiving, and certified analysis report to customers.

RADIOACTIVITY ANALYSIS LABORATORY (RAL)



Focuses on radioactive analysis in sample solid, liquid and air using either Gamma Spectrometer Counter or Gross Alpha Beta Detector

WORK & PROCEDURE



ANALYSIS SERVICES



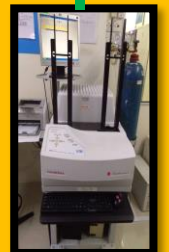
Dosimetry analysis ✓



Gamma Spectrometry



Gross Alpha/Beta



INDUSTRIAL TRAINING (SSCU 3905)



UTM
UNIVERSITI TEKNOLOGI MALAYSIA

UNIVAC

Munivac is known as its excellence on precision and medical equipment production.

Job scope is more to quality control engineering and technicians.

*"Pursue
Excellence
for Life"*

Instrumentation more likely using optical sensor as the measurement is in millimeter.

Learned on how to use tools!
Hands on everything! Is a priceless experience you ever had!

NURUL SYAZWANI BINTI AZMI 4 SSCF

INDUSTRIAL PHYSICS 2017 / 2018

LI Supervisor : Wendy Low
07 - 335 6333 (tel)

Faculty Supervisor: Dr Rosnita Muhammad
& Dr Fairuz Diyana



SOCSCO Office Kulim is one of the branch of SOCSCO Organization. SOCSCO main objective is to provide social security protection to all Insured Persons and their dependents through social security schemes based on the concept of a caring society in line with the National Development Policy and Vision 2020

SITI NOR ALIA
AFIQA BINTI
MOHD
HADZIR

A15SC0265

3SSCM

INTRODUCTION

EXPERIENCE

1. Improve communication and computational skills.
2. Experience real working environment and how to cooperate with other colleagues.
3. Discipline and attitude.

CONTACT

SOCSCO Office Kulim
No. 582-583, Lorong Kemuning 1,
Taman Kemuning, 09000 Kulim,
Kedah
Office : 04-4962203

DEPARTMENTS

Administration and Recovery

- Learn basic etiquette on answering phone calls.
- Record the data of the claims of the Insured Person.

Reinforcement and Employer

- Guide the employer in paying their SOCSCO Contribution.
- Record the data of the Interest on the Late Payment of Contribution of company with the visit done by the officer.

Account and Finance

- Organizing and process cheque.
- Register different cases in PERKESO System.

Return to Work

- Record the early interview session of Insured Person in the system.
- Find the basic information of the Insured Person.