



SUMMARY

I am recently graduated in sciences (solid state physics) at (USM). In my final semester, I involved in Zinc Oxide Research (ZORI) team in USM. I experienced in fabricating and characterize of Zinc Oxide Nanostructure . My three - month internship with Engineering Laboratory, USM during second year of university proved to be an eye-opening experience and has prepared me reasonably well to face the challenges in working environment. This training stint enabled me to learn good communication and problem solving skills.

TOP ACHIVEMENT

- Dean's list ,Sept 2013 (5th semester)
- Dean's list ,July 2014 (last semester)
- Increasing GPA every semester.

SITI NUR AINI BINTI REZUAN

Master Of Sciences (Solid State Physics)

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Nationality : Malaysian

Status : Single

OBJECTIVE

I seeking for A career as a Researcher , QA or equivalent, where I could apply all my experiences ,skills and related knowledge. I wish to go a step higher in order to archive my vision and mission in your organization.



EDUCATION

YEAR	INSTITUTION	CGPA		
Aug 2015 - Nov 2015	<div> INSEP (Manufacturing Process)</div> <table><tr><td>Performance Series<ul style="list-style-type: none">• Business English• Communication and Presentation skill• Critical and Analytical thinking• Change Management• Project management• Technical report writing• 8D Problem Solving</td><td>Technical Series<ul style="list-style-type: none">• 5S• Cycle Time Management• Design Of Experiment• Failure Mode Effect Analysis• Geometric Dimensioning & Tolerancing• Kaizen• Poka Yoke• Statistical Process Control• TRIZ innovation & creativity• Basic soldering• Digital signal process• Basic transistor I &II</td></tr></table>	Performance Series <ul style="list-style-type: none">• Business English• Communication and Presentation skill• Critical and Analytical thinking• Change Management• Project management• Technical report writing• 8D Problem Solving	Technical Series <ul style="list-style-type: none">• 5S• Cycle Time Management• Design Of Experiment• Failure Mode Effect Analysis• Geometric Dimensioning & Tolerancing• Kaizen• Poka Yoke• Statistical Process Control• TRIZ innovation & creativity• Basic soldering• Digital signal process• Basic transistor I &II	
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2014 -2015	<div>UNIVERSITI SAINS MALAYSIA</div> Master Of Science (Solid State Physics)	3.27		
2011-2014	Bachelor In Pure Science Physics (HONS)	3.37		
2010-2011	<div> <i>Kedah Matriculation College</i></div> PRE-U (Physical sciences)	3.84		
2005-2009	<div> SMK Syed Abu Bakar</div> SPM	4A,4B,1C		

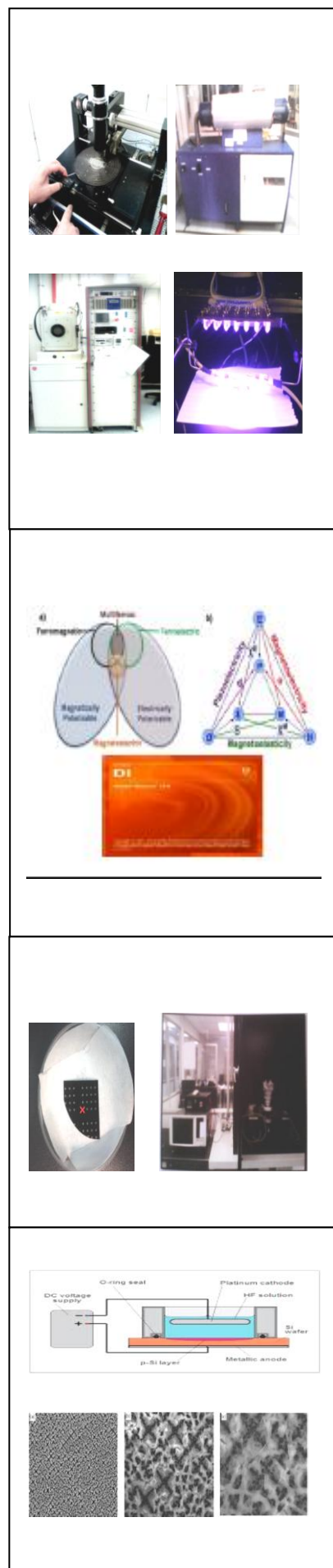
RELATED COURSES

Introduction to Islamic Studies	The Islamic Creed: Concept And Realisation
Sources And Principle Of Islamic Law	The Islamic Family Institution
Solid State Physics I and II	Quantum Mechanic
Semiconductor Devices	Radiation Biophysics
Semiconductor Physics	Electricity and Magnetism
Physics Of Optic Communication	Modern Physics
X-Ray Structure Analysis	Calculus and Linear Algebra
Measurement And Experimental Techniques	Statistical Mechanic
Physics Practical's I,II,III	Electronics I and II

WORKING EXPERIENCES

<p style="text-align: center;">2010/2011 (1 Year)</p> 	<p>Tutor for Physics and mathematics subject during Pre-U studies in Kedah Matriculation College.</p>
	<p>Taught team members for Physics and Mathematics subject.</p> <ul style="list-style-type: none"> Prepared class materials Responsible for planning and preparing lesson in accordance with the standard outlined by the college or lecturer.
<p style="text-align: center;">Apr – Aug 2016 (4 month)</p> 	<p>Substitute MRSB School Teacher (MRSB Baling, Kedah)</p>
	<p>Taught Chemistry for form three and form five</p> <ul style="list-style-type: none"> Prepared some attractive materials that related to the topic that will be discussed in class. Planning and preparing lesson with the standard outlined by the school or sciences department.
<p style="text-align: center;">July 2014 – Aug 2014 (1 month)</p>	<p>SONY (M) Sdn Bhd / Penang ,Malaysia</p>
	<p>Industry: Computer / Information Technology (Software) Position : Operators Monthly Salary: MYR 1,200</p>
<p style="text-align: center;">Apr 2011 – Aug 2011 (4 month)</p>	<p>BCM ELECTRONICS sdn Bhd / Kulim Hi-Tech Park, Kedah.</p>
	<p>Industry: Manufacturing / Production Position: Operators Monthly Salary :MYR 1,000</p>

PROJECT EXPERIENCES



Duration : Feb 2015 – Sept 2015

(Final Year Project For Master Degree Programme)

FABRICATION AND SYNTHESIS OF ZnO NANORODS USING A CATALYST ASSISTED HYDROTHERMAL METHOD

- Involved in Zinc Oxide Research (ZORI) Team.
- Grow ZnO Nanorods (NR's) in aqueous solution (water and zam-zam water) by using hydrothermal method.
- ZnO NR's were characterized by using FESEM, XRD, AFM, UV-Visible spectroscopic, PL, RAMAN, I-V measurement and UV sensory test.
- Study the ZnO NR's structure and understand the relationship between properties of optoelectronics to the structure of ZnO.

Duration : sept 2013 – July 2014

(Final Year Project For Degree Programme)

COMPUTER AIDED INSTRUCTION(CAI): DISCOVERY AND DEVELOPMENT OF MULTIFERROIC MATERIAL

- This project offer an effective Teaching And Learning (T&L) system to attract the users as there are integration of multimedia such as texts, graphics, audios, animation, and videos.
- This package is developed to deliver the information regarding 'History And Development In Multiferroic Materials' to users.

Duration : Sept 2014 – Dec 2014

C-V CHARACTERIZATION OF MOS CAPACITORS

- This project was conducted to gain characterize oxide and conductor layers that are grown or deposited on semiconductor by studying the characteristics of MOS capacitor.


Duration : Feb 2015 – June 2015


FABRICATION OF POROUS SILICON SUBSTRATE USING ELECTROCHEMICAL ETCHING TECHNIQUE

- Porous Si was fabricated under different etching time through an electrochemical etching method with external illumination.
- The effect of different etching time on the morphology of porous Si was observed. The surface morphology of porous Si was characterized by SEM.



INDUSTRIAL INTERNSHIP ATTACHMENT

	Company	Engineering Laboratory, USM
	Duration	June 2013 – Sept 2013
	Position	Training Assistant
Experiences and Responsible <ul style="list-style-type: none"> Research Asisstant for Dr Fairuz Omar (Research about water turbidity). Responsible for handling Jazz-spectrometer, QE65000 Spectrometer, and (NIR) Spectrometer to measure glucose, fructose and sucrose concentration on food and using Unscrambler software to analyses data. Guided students from Kadzastan for “ International Post-Graduate Course on Current Research In Physics” Programme. 		

	Company	Abbott Medical Optic (AMO Kulim)
	Duration	Nov 2015- Feb 2016
	Position	QA Operation
Experiences and Responsible <ul style="list-style-type: none"> Make sure all the process at production lines follow the Standard Operating Procedure (SOP). Join training for Good Manufacturing Practice(GMP) and Good Documentation Practice(GDP). Join meeting with other team members to update each task. Verify and analyse Non-BOM that used in the factory as we were like to know which material must be done incoming inspection. Assist New Product Introduction Review, revise and maintain Manufacturing Engineering Document: Work Instruction, Visual Aid, Line Balancing, and FMEA for product and process concern after SOP Participate and support in Daily Point (Continuous Improvement Process). Assist Support Production in achieving the effectiveness/ productivity, output and quality target Review process control parameters and in process checklist. 		

PROFICIENCIES & SKILLS

LANGUAGE PROFICIENCIES				SOFTWARE SKILLS
	Speak	Read	Write	<ul style="list-style-type: none"> Minitab Mathlab Macromedia Director 12 Tektron linear fitter OriginLab NanoScope Analysis SigmaPlot 11.0 Photoshope Flash DreamViewer
Bahasa Malaysia	Advance	Advance	Advance	
English	Intermediate	Advance	Advance	

REFERENCES

Dr. Nurhayati Abdullah Programme Chairman School Of Physics, Department Of Physic, USM, Pulau Pinang. Nurhaya@usm.my	Assoc. Prof. Ong Lye Hock Supervisor for Final Year Project, Department of Physics, USM, Pulau Pinang. 0125710705 onglh@usm.my	Prof. Shahrom Bin Mahmud, Supervisor Of FYP for master programme, Department Of Physic, USM, Pulau Pinang. 012571076 shmx@usm.my
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