

SCIENTIST. EDUCATOR. POLICY EXPERT

**BRIEF PROFILE**



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# *SILENT ACHIEVER*

in pursuit of substance

**DR. WAN NORLIDAH AL QADRI  
BINTI HJ. MUHAMED NOOR**

SCIENTIST | EDUCATOR | POLICY EXPERT  
Coach & Founder of Mahutahu?!



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*Thank you  
Mum, Tunku Hj Sharifah  
Ainon and Dad, Hj Muhammed  
Noor, for giving me  
education and the disciplined  
freedom to explore my true  
potential.*



# Background

# 1



Malaysian scientist, born and raised in Britain. Highly experienced in education, science and technology, she brings: academic and intellectual depth; experience in state and national-level programmes; and experience in bi/multilateral international programmes. She is by experience a policy and strategy expert. She has been involved in OIC and UNESCO related programmes and policy impacting students and the industry.

Norlidah initiated the Mahutahu?! Coaching platform for independent learning in late 2018. She has always stood by the opinion that our children and younger students need experienced, well qualified academicians to help lay solid scientific foundations. This platform is all about understanding science and learning how to learn independently. Norlidah's signature programme is Fundamental Atomistics, considered as the prerequisite to learning science. She teaches fundamental atomistics to students of all levels, the youngest being 10 years old.

Norlidah believes that one must be able and ready to apply one's talents, skills, knowledge and experience in order to journey on the road map of progress. She thus remains open to responsibilities, or tasks, or roles, or challenges where her genuine qualifications, experience and exposure may be of value.

Norlidah continues to stand by the opinion that seeds of wisdom and intelligence are sown through desire and passion, yet nurtured through life experience and through connection with humanity.

# Qualifications

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### HIGHEST QUALIFICATION

**Doctorat de l'Université Henri Poincaré - Nancy I, France (equivalent to a PhD), in Mineral Chemistry (Solid State Chemistry specialising in Magneto-Chemistry).**

**Laboratoire de Chimie du Solide Minéral. First Malaysian JPA Scholar to complete all three cycles of the tertiary education in a French University in France and to graduate with a Doctorat.**

**French Government - Malaysian Government Scholar - USM Fellow.**

**Completed and defended PhD thesis with 11 peer reviewed publications in international journals, 4 proceedings in international conferences, and 2 high-level scientific presentations to the French National Centre for Scientific Research (CNRS - National body that oversees scientific research & development).**

1998: Doctorat de l'Université Henri Poincaré - Nancy I, France (generally compared to a PhD), in Mineral Chemistry (Solid State Magneto-chemistry). Laboratoire de Chimie du Solide Minéral.

1995: D.E.A. Sciences et Génie des Matériaux (D.E.A. in Material Sciences and Engineering, generally compared to the American or British Masters in Philosophy), Université Henri Poincaré - Nancy I, France.

Core (Physics of Solids, Chemistry of Solids, Engineering of Materials); Chemistry of Materials I & II; Introduction to Structure-Property Relations in Synthetic Polymeric Materials.

1994: Maîtrise Physico-Chimie des Matériaux et Minéraux Naturels (Maîtrise in Physico-Chemistry of Natural Materials and Minerals, generally compared to a Masters in Science), Université Henri Poincaré - Nancy I, France.

Thermodynamics, Kinetics and Transformation of Phases; Methods in Characterisation and Analysis of Materials (Theory and practice in Nuclear Magnetic Resonance, Theory and practice in electronic paramagnetic resonance, Theory and practice in Mossbauer Spectroscopy, Theory and practice in EXAFS, Auger & ESCA); Rocks: Source of Natural Materials; Mechanical Behaviour of Natural Materials and their Derivatives; Industrial Natural Minerals and Materials (Quart and Silica, Zeolites, Argiles, Granites, Volcanic Materials, Calcaires); Derivative Materials (Synthesis of materials, cement and concrete ceramics and refractory materials); Industrial Applications: Notions in Exploitation, Valorisation, Environment and Economy of Materials; Conferences & Industrial Visits.

1993: Licence Physico-Chimie des Matériaux et Minéraux Naturels (Licence in Physico-Chemistry of Natural Materials and Minerals, generally compared to a Degree with Honours), Université Henri Poincaré - Nancy I, France.

Constituants of Materials (Cosmo-chemistry, Mineralogy); Physics of Materials (Physical properties of materials, Crystallography, Mechanical properties of geological materials); Mineral & Analytical Chemistry (Advanced inorganic chemistry, advanced analytical chemistry); Methods in Characterisation and Analysis of Materials (Theory and practice in crystalline optics, polarizing & transmission microscope, Theory and practice in scanning electron microscope and electron microprobe, Theory and practice in infrared and raman spectroscopy); Data Processing and Programming.

1992: D.E.U.G. Nature et Vie (D.E.U.G. in nature and life sciences, generally compared to a basic Degree), Univ. Henri Poincaré - Nancy I.

Mathematics; Statistics; Physics: Chemical Physics; Physical Thermodynamics; General Chemistry; Organic Chemistry; Inorganic Chemistry; Analytical Chemistry; Chemical Engineering; Biochemistry; Plant Biology; Animal Biology; Molecular Biology; Geology; Computer Sciences; French; English.

1985: S.P.M., Sekolah Menengah Convent Ipoh, Perak, Malaysia, Grade 1, aggregate 10, Bahasa Malaysia (4), School English Debating Team; President Life Saving Society (CPR Certificate, Elementary Award, Bronze Cross Award, Bronze Medallion Award, Award of Merit, Instructors Award); School Swimming Team; School Netball Team; Athletics: 4x100, 4x400, shot put, long jump; 8th Corp Girl Guides Association.



# TALENTS & SKILLS

- **CHANGE LEADERSHIP THROUGH PARTICIPATION** - Managing, leading and enabling the process of change and transition while helping others deal with their effects.
- **ORGANIZATIONAL UNDERSTANDING** - Strives to understand and support the environment (the organization structure, power relationships, climate and culture) in which the organisation operates consistent with its Mission, Vision and Values. Demonstrates support and understanding of long term strategies, and seeks ways to capitalize on organizational strengths.
- **PLANNING, ORGANISING & COORDINATING IMPLEMENTATION** - Follows a systematic approach to planning and organizing workload and deals effectively with changing demands and priorities. Delegates appropriately to ensure goals are delivered effectively. Also creates own work schedules, prioritizes, prepares in advance and sets realistic timescales including the ability to visualize a sequence of actions needed to achieve a specific goal and how to estimate the resources required.
- **RESOURCE MANAGEMENT & ABILITY TO WORK IN DIFFICULT CONDITIONS & WITH MINIMAL SUPPORT AND RESOURCES** - Ensures that human, financial, technological and information resources are available and effectively, efficiently and ethically deployed to meet organization goals.
- **DELIVERS RESULTS** - Strives to understand what needs to be done. Focuses on the desired outcome and takes action to achieve challenging goals or high standards.
- **CRITICAL THINKING** - The ability to analyze, criticize, synthesize and advocate ideas; Capable of reasoning holistically in an inductive and deductive manner; Reaches factual or judgmental conclusions based on sound inferences drawn from integrated and diverse frames of reference in an attempt to respond to a variety of issues.
- **CAPACITY BUILDING & TALENT BUILDING** - Creates a work environment where people are challenged and stretched to develop their skills and encouraged to realize their potential through on-going learning; Builds cohesive teams of committed and talented people and achieves superior performance through highly effective networks. Liberates the inherent talents and ESPECIALLY, enjoys watching them grow.
- **TEAMWORK** - Collaborates and cooperates with others to successfully complete the department/organization project or cross functional issues tied to organizational goals.
- **COMMUNICATION** - Expresses ideas in a clear, concise and easily understood manner for a variety of audiences. IN PARTICULAR, listens to others and communicates in an effective manner that fosters open communications.
- **STRESS MANAGEMENT** - Strives towards having the ability to manage one's emotions to avoid negative reactions when provoked, when faced with opposition or hostility, or when working under other similar stressful situations. Also includes the ability to manage workload and resources to achieve a healthy work-life balance for both the organization and individual.
- **INNOVATIVE** - Supports and encourages new ideas and approaches to enhance performance and results; embraces change, takes intelligent risks, and helps others to engage in the change process.
- **PASSION FOR LEARNING** - Intense drive to acquire Knowledge or Skills through various means including instruction/study and to apply them on the job for the benefit of the organization.

## LANGUAGES

English - native language

Bahasa Melayu - Learned at 10 years

French - fluent, lived in France 11 years

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# Research

Doctorat Thesis, 1998

Propriétés structurales et magnétiques des siliciures et germaniures ternaires  $RT_2X_2$  et  $RTX_2$  isotopes de  $ThCr_2Si_2$  et  $TbFeSi_2$ , Laboratoire de Chimie du Solide Minéral, Université Henri Poincaré – Nancy I.

D.E.A. (M.Phil.) Thesis 1995

Etude structurale et magnétique de la solution solide  $LaMn_{2-x}Cu_2Ge_2$ , Laboratoire de Chimie du Solide Minéral, Université Henri Poincaré - Nancy I.

**Study of Tertiary and Pseudo-Tertiary  $RxTyXz$  Compounds where R = Rare Earth Element, T = Transition Metal Element and X = (Si, Ge).**

**INTRODUCTION.** In the magnetism and magneto-chemistry of  $RxTyXz$  intermetallic compounds, we are standing on experimentally, theoretically and hence intellectually fertile ground. Magnetism is an extremely wide and fascinating scientific field, a field that today, more than ever before, shows all its validity, vitality and importance. This research theme is about allowing ourselves the freedom to demonstrate a vigorous, wide-ranging curiosity and an elegant style in our scientific research. The study of the specific should lead us to learn about the general.

**RESEARCH OBJECTIVES.** This research addresses the synthesis and characterization of a wide variety of  $RxTyXz$  compounds crystallizing in a variety of structures, all correlated through structural similarities, thus all revealing something of the other. This axe of research mainly concerns the chemistry and physics of binary, ternary and pseudo-ternary compounds constituted of rare earth elements (R), transition metal elements (T) and Si, Ge (X). It is important to realize that amongst the areas of study on  $RxTyXz$  intermetallics, studies on structural properties are the most basic. It is this aspect that constitutes the first key research objective: The structural study of  $RxTyXz$  compounds. There are two components to this objective: the structural elucidation of compounds through monocrystal studies; and the extension of these compounds in the synthesis and revelation of novel compounds.

The second key research objective resides in the determination of physical properties of these compounds. We are probably dealing with structurally related intermetallic “layered” compounds which harbour metallic, semi-metallic and even covalent bonds masked behind complex electronic structures. The presence of layers within the structure presents anisotropy in the physical properties. By varying the material’s chemical composition and thus anisotropy, we may be able to finely tune the dielectric, magnetic and electric transport characteristics and explore the potential applications as new bulk or thin-film devices.

**RESEARCH IMPACT** This theme of research would provide a solid platform for the exploration of materials in the solid state. This work would call upon the strongest understanding of basic chemistry and physics. Key impact from this research would include: publications in international journals; scientific intellectuals of the highest caliber; and penetration into the solid state research world nexus in particular dealing in magnetism, fundamentals of bonds and intermetallic materials.

**FUTURE WORK.** Computational Chemistry and Electronic Structure Calculations toward a Deeper Understanding and Possible Prediction of the Properties of Compounds with Respect to their Structure.

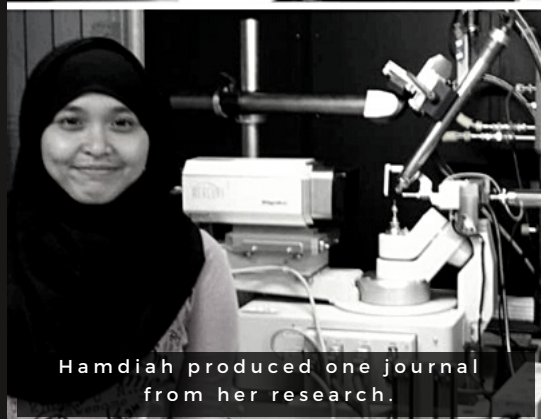


# POLICY RESEARCH

*Impact to nation,  
industry human capital  
& economic growth*



Hamdiah produced one journal from her research.



Hamdiah produced one journal from her research.



Azhar (arwah) produced two journals from his research.

Undergraduate Research Project Students. They each produced at least one international journal. We need to teach our youth that they can do it!

Study of science and technology issues related to nation building and their solutions, towards contributing to resolutions and strategies for policy prescription.

**INTRODUCTION** Linear strategies are strategies of yesterday. If Malaysia wishes to move forward on a strategy that can be implemented, then this strategy would need to be flexible, adaptable and complex in its ramifications. This strategy would need to be void of any specific point of departure, and any specific point of arrival. Only then would Malaysia be able to stand the tides of uncertainty. It is now widely recognized that science and technology are essential elements in ensuring competitiveness as well as sustainable and socially equitable economic development. Scientific progress has become a more direct driver of the innovation process. Technical progress has accelerated in areas where innovation is directly rooted in science (e.g. biotechnology, information technology, new materials) and private sectors' demand for links to the science base has increased. Innovation now often requires more external and more multidisciplinary knowledge, as many technologies have become extremely complex. As these new complex technologies increasingly become the indispensable adjuncts of much that we do, there is no doubt that the underlying asset is the individual, the being that pursues new knowledge and allows this new knowledge to emerge in the form of science, in the form of technology or in the form of innovation.

Lastly, it is important to stress that the process for knowledge to emerge requires time, dedicated focus and imaginative discipline. Only then can this emerging knowledge pave the way for deeper scientific understanding or advancements in technology leading to breakthroughs and a wider technology application domain.

## RESEARCH OBJECTIVES

The following problem statement sums up the objective of this research work: How can the level of science and technology of the Malaysian Society be increased, so as to be competitive in a globalised, rapidly changing, digital world? There are two components to this question; firstly the nature of science and technology which may contribute to the competitiveness in a globalised environment and secondly, the issue of how a society can be transformed to become more science and technology savvy, enjoying this transformation, thus more competitive in a globalised, rapidly changing digital world.

# Professional Experience

## HIGHEST POSITIONS IN GOVERNMENT

Advisor Science, Technology & Education, State Foundation chaired by the Menteri Besar. Jussa C

Director International Office, University NKV7 (Jussa C)

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By professional experience Norlidah is an educator and policy & strategy expert, and is certified Technology Foresight, by the APEC Centre for Technology Foresight, Bangkok, Thailand. She has served up to Jussa level, in the Malaysian public, private and non-profit sectors in a number of university and ministerial positions, and also in the Office of Science Advisor to Prime Minister of Malaysia (Tun Dr Mahathir and Tun Abdullah). She has played a role in National Policy Crafting including: Science & Technology Policy II, Industrial Master Plan III, Ground Study Malaysian Space Policy, and Science & Technology Policy for OIC. Norlidah was awarded Malaysian Best Practice for Internationalisation Programmes in Universities with Programme adapted & adopted by all universities in Malaysia. Norlidah's last position in government was a special appointment as Advisor Science, Technology & Education, Pahang State Foundation chaired by the Menteri Besar (Chief Minister), overseeing all extra scholar academic programmes of the state at primary and secondary level. Norlidah served as Chargé de Mission to bring home the thousands of Malaysian students studying in the Middle East for reinsertion into local institutes of higher learning, during the Arab Spring crisis. She is also experienced in industrial certification including: GMP, HaCCP, MeSTI, and Halal.

**MOST RECENT APPOINTMENT BY GOVERNMENT**  
**JAN 2020 - Ahli Kumpulan Fokus Khas bagi Pembangunan Kurikulum Pendidikan berkaitan Pembangunan Ekonomi Ministry of Economic Affairs for Minister of Education, Tun Dr Mahathir Mohamad. Expert Reviewer for Strategy Paper #, Institute Masa Depan Malaysia. 14 Feb - 15 Mar 2020.**  
**Keywords: Education; Shared Prosperity Vision (SPV) 2030 and Twelfth Malaysia Plan.**



with  
**Tun Dr Siti Hasmah**



with  
**HRH Permaisuri Agung  
Malaysia (Queen) and Dato  
Saariah Saad**



**YEARS  
SERVICE**



with  
**Tun Dr Mahathir Mohamad  
4th | 7th Prime Minister of  
Malaysia & Tun Dr Siti  
Hasmah**



with **Tan Sri  
Muhyiddin Yasin,  
8th Prime Minister of  
Malaysia**



with  
**Dato Seri Diraja  
Adnan Yaakob, Chief  
Minister of Pahang.**



with  
**Dato Seri Najib Tun Razak,  
6th Prime Minister of Malaysia**



**~40**  
**years**

**Formal & Informal  
Experience  
Teaching Science  
and Mathematics**

*Has  
impacted  
thousands of  
students*

*Primary  
Secondary  
Pre-University  
University  
Youth*

**~25**  
**years**  
**service to**  
**Malaysia**



*Has  
lived in*

**3** *countries*  
*England*  
*France*  
*Malaysia*

*Has  
impacted*

**1000s**  
*of students*

# **International & Worldclass**

*Malaysia* **Has lived in** *England*  
*Belgium* **& travelled** *France*  
*Thailand* **to** *Spain*  
*U.A.E.* **21** *Ireland*  
*Saudi Arabia* **countries** *Wales* *U.S.A.*  
*Singapore* *China* *Luxemburg*  
*Switzerland* *Holland* *Scotland* *Germany*  
*Indonesia* *Czech Republic*  
*Egypt*

# CAREER HIGHLIGHTS

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## SPECIAL MISSIONS & RESPONSIBILITIES

Yayasan Pahang Permanent Representative to the National Committee for the Management of Malaysian Students in Egypt (Jawatankuasa Pengurusan Pelajar Malaysia di Mesir) and Person-in-Charge of the reinsertion of the YP and Pahang students into local universities.

Total (National Count): ~7000 students (Medicine, Dentistry, Pharmacy & Islamic Studies); Online Applications: 4,112; Successful Insertion: 2336 students, 266 reserve students;

## AUDIT / CORPORATE LISTING ACCOMPLISHMENTS

MUCH, Private institute of higher learning. Norlidah played a key role for the Institution to undergo a public listing exercise. Her role here was to reorganize and expand the postings and placements of the 16,000 over students in the medical industry and in medical establishments throughout Malaysia. This was a critical factor that contributed strongly to the successful public listing of this higher institution.

## CLINICAL POSTINGS AND HEALTH SCIENCE PLACEMENTS, MUCH

Dr Wan Norlidah played an essential role in streamlining all processes related to the coordination and management of Clinical Postings and Health Sciences Placements for MUCH and all three Associate Colleges, throughout Malaysia and Globally for ten of the eleven Diploma Programmes covering a total number of postings of 55,598 in the year 2009 alone. The process includes the sourcing of areas, all communication verbal and written to secure the placement, arrangements for lodging and transportation, supervision coordination by clinical instructors or local preceptors, and the safe return of students to campus. She introduced real-time manual gap analysis, allowing the team to track secured and confirmed placements. She also initiated the practise of producing Master Lists (in advance) for each programme and for each hospital/health establishment.

## OTHER INTERNATIONALISATION & GLOBAL LINKAGE

Memorandum of Agreement signed February 2000 between Universiti Sains Malaysia, Penang, Malaysia, and Université Henri Poincaré, Nancy, France; programme coordinated by Norlidah Al Qadri, PhD; With the framework of a collaboration to enhance scientific and technical exchanges and to define research programmes towards the constitution of mixed research teams within common fields of interest, and at present, in particular, in the field of Chemistry, Materials Sciences, Biology, Physics, and Mathematics, on the following topics: Surface Science and Engineering; Corrosion; Glass; Wood; Analytical Chemistry and Environment; Mathematics; Nano-materials and Magnetism; Catalysis and Nano-particles; Bio-crystallography Also, during her service, she initiated (in year 2000) and coordinated the Universiti Sains Malaysia-Université Henri Poincaré French connections to strengthen USM's Internationalisation Programme through scientific exchanges and the establishment of international scientific research teams on themes such as bio-crystallography, mathematics, wood technology, catalysis, corrosion, etc. A formal MOU was signed in 2002. Since, the collaboration has successfully expanded yielding, amongst others, the Biocrystallography and Protein Crystallization Research Centre. In view of the success of the collaboration, in 2007, USM honoured Professor P. Steinmetz, who initiated the collaboration with Norlidah, an Honorary PhD of USM.

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*I have never been one to chase promotion or position. Instead, I have strived for substance.*

*There were times when I felt unappreciated. There were times when I felt it so unfair: people with fake degrees, fake PhDs or those who bought their 'honorary' Professorships were given the responsibility and position to groom our youth.*

*There were times when I refused to 'play the game'. It was cold and lonely in cold storage.*

*But, my struggles to uphold my integrity were worth it. My steadfast attitude to go for substance was what kept me sane. My gift to communicate my truth to defend what I believed in, has kept my passion alive.*

*Wan Norlidah Al Qadri, PhD*

# Academia 5

Norlidah started her career in Malaysia as a lecturer in University Science Malaysia, where she lectured in the School of Materials Engineering, the School of Chemistry and the School of Physics.

She was then seconded to the Office of Prime Minister under Tun Dr Mahathir and then Tun Abdullah Badawi. Norlidah went on to serve various public and private universities in Malaysia at the Jussa Level.

To date, Norlidah has impacted thousands of Malaysian and international students in Malaysia.

## HIGHLIGHTS AS EXPERT MODERATOR

- Secretariat, and Chief Rapporteur, representing Office of Science Advisor, Prime Minister's Department, Malaysian Science & Technology Conference, MASTEC 2003, "Malaysia a Technologically Advanced Nation", Marriot Hotel, Putrajaya, 1 - 2 July, 2003.
- Moderator, representing Office of Science Advisor, Prime Minister's Department, Malaysian Science & Technology Conference, MASTEC 2003, "Malaysia a Technologically Advanced Nation", Preconvention Workshop, UMMCED, Kuala Lumpur, 10 June 2003.
- Chief Rapporteur and member of International Committee, representing MiGHT, Office of Science Advisor, Prime Minister's Department, Preparations of Resolutions entitled "Kuala Lumpur Declaration on Science and Technology for Socio-Economic Well Being of the Ummah"; Organisation of The Islamic Conference (OIC); Conference on Science & Technology; Theme - Science and Technology for Industrial Development in Islamic Countries : Facing the Challenges of Globalisation; Kuala Lumpur Malaysia, October 7 - 10 2003.



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*My first love is the Academe. The choice to leave USM was a conscious decision based on the situation in Malaysia. I had to face the realities, and act in order to preserve my passion for science.*

*It has been an amazing journey! Harsh struggles and difficult lessons. But my love for the Academe is intact. In fact, hidden behind the adventure, the flames have grown.*

*Soon, very soon, I shall find my place again in the heart of the Academe. I am impatient, but patience is of essence, or I may lose my stride.*

*Soon ...*

*Wan Norlidah Al Qadri, PhD*

# HIGHLIGHTS

## INTERNATIONAL PUBLICATIONS & REFEREED JOURNALS

1. Looking into the stability of RTX compounds within the La-Ni-Ge system, Yap Suat Hoon, Chan Chin Yee, Norlidah M.N., Malaysian Journal of Solid State, 2003.
2. On the synthesis and characterization of  $RT_2Ge_2$ ,  $RT_2Si_2$  ( $R = La, Nd$ ;  $T = Mn, Co$ ) and  $ThCr_2Si_2$  isotypic compounds, Chan Chin Yee, Yap Suat Hoon, Norlidah M.N., Malaysian Journal of Solid State, 2003.
3. Crystal structure of  $Yb_2Mn_{1-x}Si_{4-y}$  ( $x \approx 0.66$ ;  $y \approx 0.33$ ): a new  $AlB_2$ - $BaAl_4$  intergrowth compound, Norlidah M.N., I. Ijjaali, G. Venturini, and B. Malaman, Journal of Alloys and Compounds, 278 (1998) 246-251.
4. X-ray single crystal refinements of the isotypic  $RMnSi_2$  ( $R = La, Nd$ ) and  $PrMnCu_{0.5}Ge_{1.5}$  compounds, Norlidah M.N., G. Venturini, and B. Malaman, Journal of Alloys and Compounds, 268 (1998) 193-198.
5. New  $TbFeSi_2$ - and  $U_3Ni_4Si_4$ -type structure compounds obtained in  $R-T-T'X$  systems ( $R =$  rare earth elements;  $T = Mn, Co, Ru, Fe$ ;  $T' = Ni, Cu, Pd, Pt$ ;  $X = Si, Ge$ ), Norlidah M.N., G. Venturini, and B. Malaman, Journal of Alloys and Compounds, 267 (1998) 182-188.
6. A magnetic study of  $ThCr_2Si_2$ -type pseudo ternary  $RMn_{1.5}T_{0.5}Ge_2$  ( $T = Fe, Cu$ ;  $R = Y, Ce-Sm, Gd-Ho$ ) compounds, Norlidah M.N., G. Venturini and B. Malaman, Journal of Alloys and Compounds, 268 (1998) 29-38.
7. On the localization of the transition metal compounds in  $HoFe_{0.5}Si_2$  and in the related  $RFexSi_2$  ( $R =$  heavy rare earth element) compounds, Norlidah M.N., G. Venturini, B. Malaman and E. Ressouche, Journal of Alloys and Compounds, 265 (1998) 77-80.
8. Neutron diffraction study of the  $TbFeSi_2$ -type  $NdMnCu_{0.5}Ge_{1.5-x}Si_x$  ( $0 < x < 1.5$ ) solid solution, Norlidah M.N., G. Venturini, B. Malaman and E. Ressouche, Journal of Alloys and Compounds, 259 (1997), 11-23.
9. The magnetic study of  $TbFeSi_2$ -type structure  $RRhCu_{0.5}Si_{1.5}$  compounds for  $R = Ce, Pr, Nd$  from neutron diffraction experiments and magnetic measurements, Norlidah M.N., G. Venturini, B. Malaman and E. Ressouche, Journal of Alloys and Compounds, 257 (1997), 30-35.
10. The  $x$ - $T$  magnetic phase diagram of the  $LaMn_{2-x}FexGe_2$  ( $0 \leq x \leq 1$ ) system from neutron diffraction experiments, Norlidah M.N., G. Venturini, B. Malaman and E. Ressouche, Journal of Alloys and Compounds, 248 (1997), 112-120.
11. Crystallographic and magnetic study of the  $LaMn_{2-x}CuxGe_2$  solid solution, Norlidah M.N., G. Venturini, B. Malaman and E. Ressouche, Journal of Alloys and Compounds, 245 (1996), 80-88.
12. Magnetic structures of the new  $TbFeSi_2$ -type structure germanides:  $RMnCu_{0.5}Ge_{1.5}$  ( $R = La, Ce, Pr$ ), Norlidah M.N., G. Venturini, B. Malaman and E. Ressouche, Journal of Alloys and Compounds, 244 (1996) 121-130.
13. Single crystal refinement of the first  $TbFeSi_2$ -type structure germanide  $LaMnCu_{0.5}Ge_{1.5}$ , G. Venturini, Norlidah M.N., B. Malaman, Journal of Alloys and Compounds, 236 (1996) 117-120.
14. Cis-[1,2-bis [diphenylarsine]ethane- $\alpha, \alpha'$ ]tetracarbonylchromium(0); M.N. Norlidah, M.Y. Azhar, Omar bin Shawkataly, Mohd Mustaqim Rosli and Hoong-Kun Fun; Acta Crystallographica Section E; (2011), E67, m1267-m1268.
15. Trans-Tetracarbonylbis[tris(4-fluorophenyl)phosphane- $\alpha P$ ]chromium(0); M.N. Norlidah, M.Y. Hamdya, Omar bin Shawkataly, Mohd Mustaqim Rosli and Hoong-Kun Fun; Acta Crystallographica Section E; (2011), E67, m1314-m1315.
16. Trans-bis [tris-(3-fluorophenyl)phosphate]; M.N. Norlidah, M.Y. Yazid, Omar bin Shawkataly, Mohd Mustaqim Rosli and Hoong-Kun Fun; Acta Crystallographica Section E; (2011). E67.

# HIGHLIGHTS

## INTERNATIONAL CONFERENCES

1. Private Higher Education in Nursing and Health Sciences – Embracing the Uncertainties of Globalisation, Wan Norlidah al Qadri, Raja Rajeswary Veeramani, International Technology, Education and Development Conference, Valencia, Spain, 9 – 11 March 2009. [Level of Contribution: (2) (6); (E)]
2. Brain Drain, Brain Gain, and the Diaspora Part I, Wan Norlidah al Qadri, Mervat Shahin, International Seminar on Islamic Science and Technology, “Reviving the Supremacy of Islamic Science”, March 2008, Kuala Lumpur. [Level of Contribution: (2) (6); (E)]
3. Brain Drain, Brain Gain, and the Diaspora Part II, Mervat Shahin, Wan Norlidah al Qadri, International Seminar on Islamic Science and Technology, “Reviving the Supremacy of Islamic Science”, March 2008, Kuala Lumpur. [Level of Contribution: (2) (6); (E)]
4. University-Industry Linkage, an Underpinning Force of the Diaspora, Mervat Shahin, Wan Norlidah al Qadri, International Technology, Education and Development Conference, March 2008, Spain. [Level of Contribution: (2) (6); (E)]
5. Flux growth and characterization of NdCo<sub>2</sub>Si<sub>2</sub>, NdMn<sub>2</sub>Si<sub>2</sub> and LaMn<sub>2</sub>Si<sub>2</sub> single crystal seeds, Chan Chin Yee, Yap Suat Hoon, M.N.Fahmy M.J., Ida Semurni A.A., Norlidah M.N., International Conference on Recent Advances in Materials and Minerals, Bayview Beach Resort Hotel, Penang, 30 October – 1st November 2003.
6. On the stability of RNi<sub>2</sub>X<sub>2</sub> (R=La, Ce, Pr, Nd) germanides and silicides belonging to the ThCr<sub>2</sub>Si<sub>2</sub>-type structure, Yap Suat Hoon, Chan Chin Yee, Ida Semurni A.A., M.N.Fahmy M.J., Norlidah M.N., International Conference on Recent Advances in Materials and Minerals, Bayview Beach Resort Hotel, Penang, 30 October – 1st November 2003.
7. Electrical resistivity of RT<sub>2</sub>X<sub>2</sub> (R=La, Nd; T=Mn, Co; X=Ge, Si) ThCr<sub>2</sub>Si<sub>2</sub>-type structure intermetallic compounds, Chan Chin Yee, Yap Suat Hoon, M.N.Fahmy M.J., Ida Semurni A.A., Norlidah M.N., CAMM, Mariot Hotel, Putrajaya, 2003.
8. Magnetic and transport properties of RNi<sub>2</sub>Si<sub>2</sub> and RNi<sub>2</sub>Ge<sub>2</sub> (R=La, Ce, Pr, Nd) intermetallic compounds, Yap Suat Hoon, Chan Chin Yee, Ida Semurni A.A., M.N.Fahmy M.J., Norlidah M.N., CAMM, Mariot Hotel, Putrajaya, September 2003.
9. Looking into the Stability of RTX compounds within the La-Ni-Ge system, Yap Suat Hoon, Chan Chin Yee, Norlidah M.N. International Conference on Solid State, Sarawak, 30 Oct. – 1 Nov. 2002.
10. On the synthesis and characterization of RT<sub>2</sub>Ge<sub>2</sub>, RT<sub>2</sub>Si<sub>2</sub> (R = La, Nd; T = Mn, Co) and ThCr<sub>2</sub>Si<sub>2</sub> isotypic compounds, Chan Chin Yee, Yap Suat Hoon, Norlidah M.N. International Conference on Solid State, Sarawak, 30 Oct. – 1 Nov. 2002.
11. Illustrating the significance of neutron diffraction in the elucidation of magnetic structures of ThCr<sub>2</sub>Si<sub>2</sub> isotypic compounds, Norlidah M.N., International Conference on Recent Advances in Materials and Mineral Resources, Penang, Malaysia, 1999.
12. A <sup>119</sup>Sn Mössbauer study of RMn<sub>6</sub>Sn<sub>6</sub> compounds (R = Mg, Sc, Y, Gd-Lu). Evidence of covalent bonding within the Mn-Sn sublattice., T. Mazet, Norlidah M.N., B. Malaman, G. Venturini, and R. Welter, poster presentation for the 12th International Conference on Solid Compounds of Transition Elements, St Malo, France, April 22-25, 1997.
13. Mn sublattice behaviour in related CeFeSi, TbFeSi<sub>2</sub> and ThCr<sub>2</sub>Si<sub>2</sub>- type compounds, I. Ijjaali, Norlidah M.N., B. Malaman, G. Venturini, R. Welter and E. Ressouche, poster presentation for the 12th International Conference on Solid Compounds of Transition Elements, St Malo, France, April 22-25, 1997.
14. New AlB<sub>2</sub>-BaAl<sub>4</sub> intergrowth compounds of general formula: Rn+2T<sub>2</sub>X<sub>4</sub>+2n. Role of the substitution of X with Cu or Ni on the stability of these compounds, Norlidah M.N., I. Ijjaali, B. Malaman, G. Venturini, and R. Welter, poster presentation for the 12th International Conference on Solid Compounds of Transition Elements, St Malo, France, April 22-25, 1997.
15. Comportement magnétique des composés RMnCu<sub>0.5</sub>Ge<sub>1.5</sub> (R = La-Pr), isotype de TbFeSi<sub>2</sub>, (Magnetic behaviour of RMnCu<sub>0.5</sub>Ge<sub>1.5</sub> (R = La-Pr) compounds of TbFeSi<sub>2</sub>-type structure), Norlidah M.N., G. Venturini, and B. Malaman, presentation for CNRS (French National Center for Scientific Research), Université Henri Poincaré, Nancy, Sept. 1995.
16. Propriétés magnétiques des composés ternaires RMn<sub>2</sub>Ge<sub>2</sub> (R = La-Nd), et des solutions solides R<sub>1-x</sub>R'<sub>x</sub>Mn<sub>2</sub>Ge<sub>2</sub> (R = La, Y, Lu, Ca), (Magnetic properties of ternary RMn<sub>2</sub>Ge<sub>2</sub> (R = La-Nd) and R<sub>1-x</sub>R'<sub>x</sub>Mn<sub>2</sub>Ge<sub>2</sub> (R = La, Y, Lu, Ca) solid solutions), G. Venturini, Norlidah M.N., R. Welter, B. Malaman, and E. Ressouche, presentation for CNRS (French National Center for Scientific Research), Université Henri Poincaré, Nancy, Sept. 1995.
17. Propriétés magnétiques des composés (M<sub>1-x</sub>M'<sub>x</sub>)(Mn<sub>1-y</sub>Ty)<sub>2</sub>Ge<sub>2</sub> (M, M' = terre rare, Ca; T = Fe, Cu) (Magnetic properties of (M<sub>1-x</sub>M'<sub>x</sub>)(Mn<sub>1-y</sub>Ty)<sub>2</sub>Ge<sub>2</sub> (M, M' = rare earth element, Ca; T = Fe, Cu) compounds), G. Venturini, R. Welter, Norlidah M.N., B. Malaman, and E. Ressouche, 4èmes Journées de la Diffusion Neutroniques (4th Neutron Scattering Meeting), Poster presentation. French national level, Port d'Albret, France, 17-19 May 1995.
18. Effect of composition variation on Bi-based superconductors, Norlidah M.N., Y. M. CHEN, Z. A. AHMAD, S. BHAN, International Conference on recent advances in materials and mineral resources, Penang, Malaysia, 1994.

# HIGHLIGHTS

## ACADEMIC CONTENT DEVELOPMENT

### 1. BSK 3313 Materials Chemistry (Year 3) - Lecture / Tutorials

Faculty of Industrial Sciences & Technology, Universiti Malaysia Pahang.

Dr Wan Norlidah Al Qadri was responsible for fully developing the first lecture plan and syllabus for this lecture.

### 2. Inorganic Chemistry Process (Semester I Year 4) - Lecture / Tutorials

Faculty of Industrial Sciences & Technology, Universiti Malaysia Pahang.

Dr Wan Norlidah Al Qadri was responsible for fully developing the first lecture plan and syllabus for this lecture.

### 3. BSK 2103 Inorganic Chemistry II (Semester I Year 2) - Lecture / Tutorials

Faculty of Industrial Sciences & Technology, Universiti Malaysia Pahang.

Dr Wan Norlidah Al Qadri was responsible for fully reviewing the first lecture plan and syllabus for this lecture followed by a renewed / edited version of the lecture plan and syllabus.

### 4. BSK 1143 Inorganic Chemistry I (Semester II Year 1) - Lecture / Tutorials

Faculty of Industrial Sciences & Technology, Universiti Malaysia Pahang.

Dr Wan Norlidah Al Qadri was responsible for fully reviewing the first lecture plan and syllabus for this lecture followed by a renewed / edited version of the lecture plan and syllabus.

## LECTURES

### 1. Materials Chemistry (Year 3) - Lecture / Tutorials

Faculty of Industrial Sciences & Technology, Universiti Malaysia Pahang. December 2009 until 2011.

### 2. Inorganic Chemistry II (Semester I Year 2) - Lecture / Tutorials

Faculty of Industrial Sciences & Technology, Universiti Malaysia Pahang. 2009 until 2011.

### 3. Inorganic Chemistry I (Semester II Year 1) - Lecture / Tutorials

Faculty of Industrial Sciences & Technology, Universiti Malaysia Pahang. 2009 until 2011.

### 4. National Science & Technology Policy & Management - Lecture

Department of Science & Technology Studies, Universiti Malaya; Undergraduate, Yr2 Session July 2008 until 2008.

### 5. Industrial Science & Technology - Lecture

Department of Science & Technology Studies, Universiti Malaya; MSc. Session July 2005 until 2008.

### 6. Science & Technology Policy & Strategy - Lecture

Department of Science & Technology Studies, Universiti Malaya; MSc. Session July 2005 until 2008.

### 7. BBRAUN Medical Services Sdn. Bhd. (Consultant Lecturer)

Lectures on Material Sciences, 10 hours, October 2000.

### 8. Group Theory - Lecture

School of Chemistry, USM; 3rd Year Elective paper KTE 211; Session 2002/03, Semester II: Co Lecturer (14hrs) with Assoc. Prof. Wan Ahmad Kamil.

### 9. Bio-Inorganic & Non-Metal Chemistry - Lecture

School of Chemistry, USM; 2nd year Elective paper KTE 311; Session 2002/03, Semester II: Co Lecturer (10hrs)

### 10. Solid State Physics (magnetism) - Lecture

School of Physics, USM; MSc. Course; Compulsory paper ZCC542; Session 2001/02, Semester II: Co Lecturer (21hrs) with Assoc. Prof. Junaida (21hrs).

### 11. Cluster Chemistry - Lecture.

School of Chemical Sciences, USM; 2nd Year Compulsory Course; KTT313 - 3 units (42hrs); ~ 200 students; Session 2000/01 - 2002/03, Semester I: Co Lecturer (21hrs) with Assoc. Prof. Mas Rosemal Hakim (21hrs).

### 12. Materials II - Lecture

(Bahan II.)

School of Materials & Mineral Resources Engineering, USM; 1st Year Course; Compulsory paper; EBB 122 - 3 units (42hrs); ~ 200 students; Session 1999/2000: Co Lecturer (21hrs) with Dr Shamsul Baharin Jamaludin (21hrs).

### 13. Powder Technology - Lecture.

(Teknik Serbuk.)

School of Materials & Mineral Resources Engineering, USM; 2nd Year Elective Course; EBB 209 - 3 units (42hrs); min 5 students; Session 1999/2000: Unique Lecturer (42hrs)

### 14. Crystallography and Bonding in the Solid State - Lecture.

(Kristalografi dan Ikatan dalam Pepejal.)

School of Materials & Mineral Resources Engineering, USM; 2nd Year Course; Compulsory paper; EBB 202 - 3 units (42hrs); ~ 110 students;

Session 1998/99: Co-lecturer (21hrs) with Dr Zainal Ariffin Ahmad (21hrs); Session 1999/2000: Unique Lecturer (42hrs); Session 2000/2001:

Unique Lecturer (42hrs)

## LABORATORY

### 1. Inorganic Laboratory

(Makmal Tak Organik)

School of Chemical Sciences, USM; 2nd Year Laboratory Work; KUT203/KUT 203E - 2 units (28hrs); ~ 30 students; Session 2000/01 Sem. I&II:

Briefing/Supervision experimentation; Session 2001/02 Sem. I&II: Briefing/Supervision experimentation; Session 2002/03 Sem. I&II:

Briefing/Supervision experimentation.

### 2. Materials - Laboratory Work.

(Makmal Bahan.)

School of Materials & Mineral Resources Engineering, USM; 1st Year Laboratory Work; EBB 104 - 2 units (28hrs); ~ 110 students; Session

1999/2000: Briefing/Supervision experimentation.

### 3. Metallography - Laboratory Work.

(Makmal Metalografi.)

School of Materials & Mineral Resources Engineering, USM; 2nd Year Laboratory Work; EBB 214 - 2 units (28hrs); ~ 110 students; Session

1999/2000: Briefing/Supervision & Testing for experimentation; Session 2000/2001: Briefing/Supervision & Testing for experimentation

### 4. Properties of Materials - Laboratory Work.

(Makmal Sifat-Sifat Bahan.)

School of Materials & Mineral Resources Engineering, USM; 2nd Year Laboratory Work; EBB 204 - 2 units (28hrs); ~ 110 students; Session

1999/2000: Coordinator. Briefing/Supervision & Testing for experimentation

# HIGHLIGHTS

## POST GRADUATE SUPERVISION

1. Mr Mohd Azlan Zaharuddin

Full-time MSc. Student, Department of Science and Technology Studies, Universiti Malaya, Malaysia. Graduated August 2008  
Project entitled "The Underutilization of the Government Multi Purpose Card (MYKAD)" Faculty of Science, Universiti Malaya, Kuala Lumpur. 2008.

2. Ms Mervat Hatem N. Shahin, Palestine.

Full-time MSc. Student, Department of Science and Technology Studies, Universiti Malaya, Malaysia. Graduated August 2007.

Project entitled "A framework for University-Industry Relationship for the Advancement of Science & Technology as an Enabled and Enabling Force in Palestine"  
Faculty of Science, Universiti Malaya, Kuala Lumpur. May 2007.

3. Ms Chan Chin Yee

Full-time MSc. Student, School of Chemical Sciences; Status : COMPLETED, GRADUATED IN 2004; Main Supervisor: Dr Norlidah Mohamed Noor

Title : A Study on the Magneto-Chemistry of Ternary RT<sub>2</sub>X<sub>2</sub> (R = La, Ce, Pr, Nd; T = Mn, Co; X = Si, Ge) Compounds Isotypic to the ThCr<sub>2</sub>Si<sub>2</sub>-Type Structure Compound.

Viva : Thursday, 27th May 2004, 10.00 a.m., Institut Pengajian Siswazah, USM.

4. Ms Yap Suat Hoon

Full-time MSc. Student, School of Chemical Sciences; Status: THESIS SUBMITTED FOR EXAMINATION; Main Supervisor: Dr Norlidah Mohamed Noor transferred to  
Datuk Professor Mohamad Idris Saleh

Title : A Study on the ThCr<sub>2</sub>Si<sub>2</sub>- and U<sub>3</sub>Ni<sub>4</sub>Si<sub>4</sub>-type Compounds.

5. Ruhuyuddin Mohd Zaki

Masters Student (Mixed Mode) Year 2000/2001; Status: GRADUATED; School of Materials & Mineral Resources Engineering, USM; Main Supervisor : Dr Norlidah  
Mohamed Noor; Second Supervisor : Assoc. Prof. Azmi Rahmat

Title : Preparation of seeds for monocrystal growth of magnetic oxides and R<sub>x</sub>TyX<sub>z</sub> intermetallic material.

## UNDERGRADUATE SUPERVISION FOR HONOURS RESEARCH PROJECTS

23 students during tenureship in USM and UMP.

## SUPERVISION OF INDUSTRIAL INTERNSHIPS

Dr Norlidah has supervised a large number of trainees in every organization that she has been attached to.

## SUPERVISION OF INTERNATIONAL MOBILITY PROJECTS

Workshop and Supervision of International assignment in teams of 5. ~200 students 2010/11

Workshop of ~500 students 2011/12

## INTERVIEW PANEL FOR FACULTY / ACADEMIC MEMBERS

1. Dr ###, PhD in Biotechnology, University of Al Azhar; Interview 19 May 2010, Cairo, Egypt.

2. Mr. ###, Manufacturing & Construction Engineering Technology (MCET) Interim Chair, College of Engineering, Technology and Computer Science, Department  
of Manufacturing & Construction Engineering Technology and Interior Design, Indiana University - Purdue University Fort Wayne; 20 Nvember 2010, Kalamazoo,  
U.S.A.

## INTERVIEW PANEL FOR UNIVERSITY FELLOWSHIP SCHEME

1. ###, Ijazah Sarjana Muda Kejuruteraan Kimia, University of Michigan Ann Arbor, CGPA 3.76; Interview 21 November 2010, Kalamazoo U.S.A.

2. ###, Ijazah Sarjana Muda Sains (Acturial Mathematic, Statistik), University of Michigan Ann Arbor; CGPA 3.73 Interview 21 November 2010, Kalamazoo U.S.A.

3. ###, Ijazah Sarjana Muda Kejuruteraan Elektrikal Purdue University; CGPA 3.72; Interview 21 November 2010, Kalamazoo U.S.A.

4. ###, Ijazah Sarjana Muda Sains (Acturial Sciences & Applied Statistis), Purdue University; CGPA 3.34; Interview 21 November 2010, Kalamazoo U.S.A.

5. ###, Ijazah Sarjana Muda Pentadbiran Perniagaan, Western Michigan University; CGPA 2.53; Interview 21 November 2010, Kalamazoo U.S.A.

6. ###, Ijazah Sarjana Komunikasi, Western Michigan University CGPA 3.20; and Ijazah Sarjana Muda Pentadbiran Perniagaan Universiti Teknologi MARA, CGPA  
3.24; Interview 21 November 2010, Kalamazoo U.S.A.

7. ###, Ijazah Sarjana Muda Kejuruteraan Mekanikal, Western Michigan University; CGPA 2.63; Interview 21 November 2010, Kalamazoo U.S.A.

8. ###, Ijazah Sarjana Muda Perhubungan Awam, Western Michigan University, CGPA 3.31; Interview 21 November 2010, Kalamazoo U.S.A.

9. ###, Ijazah Sarjana Muda Kejuruteraan Penerbangan, Western Michigan University; CGPA 3.20; Interview 21 November 2010, Kalamazoo U.S.A.

10. ###, Ijazah Sarjana Muda Sains Bioteknologi, Rochester Institute of Technology; CGPA 3.59; Interview 23 November 2010, New Jersey U.S.A.

11. ###, Ijazah Sarjana Muda Sains Bioteknologi, Rochester Institute of Technology; CGPA 3.57; Interview 23 November 2010, New Jersey U.S.A.

12. ###, Ijazah Sarjana Muda Sains Bioteknologi, Rochester Institute of Technology; CGPA 3.79; Interview 23 November 2010, New Jersey U.S.A.

13. ###, Ijazah Sarjana Muda Sains Bioteknologi, Rochester Institute of Technology; CGPA 3.53; Interview 23 November 2010, New Jersey U.S.A.

14. ###, Ijazah Sarjana Muda Sains Bioteknologi, Rochester Institute of Technology; CGPA 3.95; Interview 23 November 2010, New Jersey U.S.A.

15. ###, Ijazah Sarjana Muda Sains Bioteknologi, Rochester Institute of Technology; CGPA 3.40; Interview 23 November 2010, New Jersey U.S.A.

16. ###, Ijazah Sarjana Muda Sains Bioteknologi, Rochester Institute of Technology; CGPA 3.85; Interview 23 November 2010, New Jersey U.S.A.

17. ###, Ijazah Sarjana Muda Kejuruteraan Elektrikal, Stevens Institute of Technology; CGPA 3.348; Interview 23 November 2010, New Jersey U.S.A.

18. ###, Ijazah Sarjana Wireless Communication, Stevens Institute of Technology, CGPA 3.6; Ijazah Sarjana Kejuruteraan Elektrikal, Steves Institute of Technology;  
CGPA 3.5; Interview 23 November 2010, New Jersey U.S.A.

19. ###, Ijazah Sarjana Muda Kejuruteraan Elektrikal, Stevens Institute of Technology; CGPA 3.97; Interview 23 November 2010, New Jersey U.S.A.

20. ###, Ijazah Sarjana Muda Kejuruteraan Elektrikal Stevens Institute of Technology; CGPA 3.048; Interview 23 November 2010, New Jersey U.S.A.

21. ###, Ijazah Sarjana Muda Pengurusan Kejuruteraan, Stevens Institute of Technology; CGPA 3.17; Interview 23 November 2010, New Jersey U.S.A.

22. ###, Ijazah Sarjana Muda Sains Aktuari, Temple University; CGPA 3.91; Interview 23 November 2010, New Jersey U.S.A.

23. ###, Ijazah Sarjana Muda Kejuruteraan Kimia, Stevens Institute of Technology; CGPA 3.30; Interview 23 November 2010, New Jersey U.S.A.

24. ###, Ijazah Sarjana Muda Kejuruteraan Kimia, Stevens Institute of Technology; CGPA 3.42; Interview 23 November 2010, New Jersey U.S.A.

25. ###, Ijazah Sarjana Muda Kejuruteraan Kimia, Stevens Institute of Technology, CGPA 3.11; Interview 23 November 2010, New Jersey U.S.A.

26. ###, Ijazah Sarjana Muda Kejuruteraan Mekanikal, Stevens Institute of Technology, CGPA 3.31; Interview 23 November 2010, New Jersey U.S.A.

27. ###, Ijazah Sarjana Muda Kejuruteraan Mekanikal, Stevens Institute of Technology, CGPA 3.58; Interview 23 November 2010, New Jersey U.S.A.

28. ###, Ijazah Sarjana Muda Kejuruteraan Mekanikal Stevens Institute of Technology, CGPA 3.20; Interview 23 November 2010, New Jersey U.S.A.

29. ###, Ijazah Sarjana Muda Kejuruteraan Elektrik & Elektronik, Stevens Institute of Technology, CGPA 3.774; Interview 23 November 2010, New Jersey U.S.A.

30. ###, Ijazah Sarjana Muda Sains Bioteknologi, Rochester Institute of Technology; CGPA 3.15; Interview 23 November 2010, New Jersey U.S.A.

## INTERVIEW PANEL FOR RESEARCH FELLOWS

1. ###, Application for Master of Technology Management (Project Management); Interview 9 June 2010, Beijing.

2. ###, Application for Master of Science (Biotechnology); Interview 9 June 2010, Beijing.

3. ###, Application for Master of Technology Management (Human Capital Resources); Interview 9 June 2010, Beijing.

4. ###, Application for Master of Technology Management (Project Management); Interview 12 June 2010, Lanzhou.

5. ###, Application for Master of Science (Biotechnology); Interview 12 June 2010, Lanzhou.

6. ###, Application for Master of Technology Management (Human Capital Resources); Interview 12 June 2010, Lanzhou.

## CHAIRPERSON INTERVIEW PANEL FOR EXECUTIVE DIPLOMA IN MANAGEMENT & ENTREPRENEURSHIP

~800 turned up. ~100 interviews conducted; Interview 29 March 2011, Level 4, Yayasan Pahang Complex, Tanjung Lumpur, Pahang.



# 6 Key Notes

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*Throughout my career, I have often been given the honour of delivering Key Note Addresses.*

*I look forward to connecting with people at various levels, in the academe or in the public arena.*

# HIGHLIGHTS


- **Invited Lecture** for the Maahad Tahfiz Negeri Pahang, Orientation Session 2012.
- **Keynote Address** for the MAMPAN Convention entitled “Internationalisation & Globalisation – Assimilating the Positive Values & Cultures of Developed Countries into Ours”, Gambang Ressorst 27th July 2011. Invitation by Chairman of Pahang State Foundation, YAB Dato’ Sri Diraja Adnan Yaakob, Chief Minister of Pahang, and by General Manager of Pahang State Foundation, YH Dato Saari’ah Saad. ~8000 students present.
- National Level Seminar. **Invited Keynote** in view of **Award for Best Practice in Internationalisation of a Malaysian University**. Dr.Wan Norlidah Al-Qadri, “Around the World in One Day 201 ... Footsteps Toward Humanity”, Majlis Pelancaran PSPTN Fasa 2 dan Seminar Perkongsian “Best Practice” PSPTN (Pembentang “Best Practice” CAP Pengantarabangsaan”, 7 June 2011; Organised by MOHE; PICC Putrajaya.
- **Invited Lecture** entitled ‘Triple Helix – a Realistic Perspective’, Faculty of Sciences, Universiti Malaya, Kuala Lumpur, February 28 2005.
- **Invited Presentation** entitled ‘Are our Public Universities Structured for Promoting Commercialisation?’, Norlidah MN, National Conference on Science, Technology and Society, Universiti Malaya, Kuala Lumpur, December 10 – 11 2004.
- **Key speaker**, presentation to UN millennium Project Task force No.10, MIGHT, Prime Minister’s Department, Putrajaya, Malaysia, 14 November 2003.
- **Keynote presentation** entitled “Business and Industry Inputs into S&T Policy planning”, Norlidah MN, Organisation of The Islamic Conference (OIC): Conference on Science & Technology; Theme - Science and Technology for Industrial Development in Islamic Countries: Facing the Challenges of Globalisation, Kuala Lumpur, Malaysia, 7 October 2003.
- **Keynote presentation** entitled “Research Capability for Global Competitiveness”, Norlidah MN, Seminar Penubuhan Universiti Penyelidikan, Hotel Pan Pacific, KLIA, 25 August 2003.
- **Keynote presentation** entitled “Emerging Technologies & Future Trends”, Norlidah MN, The Verification of KKTM’s training Programmes Workshop, Bangi, Selangor, 19-20 August 2003.
- **Keynote presentation** entitled “Malaysia Future Research Outlook from MIGHT and National Perspectives”, Norlidah MN, Workshop, UTPFuture Directions on Research & Postgraduate Studies, Permata, Bangi, 8-9 August 2003.
- **Keynote presentation** entitled “Building Competitiveness using University – Industry Partnership in K-Economy”, Norlidah MN, Konferen & Dialog Unipreneur, Bangi Selangor 2003, 11 June 2003.
- **Key Presenter**. Briefing to Universiti Sains Malaysia Heads of Departments on the Implementation of e-RESEARCH Web-Based System for the Evaluation and Monitoring of Research, USAINS Holdings, Universiti Sains Malaysia, May 2003.

PEMACU WACANA

webinar

# DEMOCRATISATION OF EDUCATION

TOWARDS SHARED PROSPERITY

19 MARCH 2021 | 10 AM – 12 PM  LIVE INSTITUT MASA

KEYNOTE SPEAKER & PANELISTS

**Datuk Dr Anis Yusaf Yusoff**

Principal Fellow, Institute of Ethnic Studies (IGTA), UKM

**Profesor Madya Datuk Dr.  
Mohamad Ali Hassan**

President, National Parent-Teacher  
Associations Consultative Council

**Dr Wan Norlidah Al-Qadri**


Founder, Mahutahuti Education  
Gateway

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to think and to learn  
independently are key to  
democratisation of  
education.

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# Policy Prescription

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# 7

During her tenureship at the Office of Science Advisor to Prime Minister, Prime Minister's Department, Norlidah was greatly exposed to the policy crafting, monitoring and implementation process.

Norlidah carried out assignments in line with policy prescription and nation building mainly in relation to Science and Technology. She was a member of the IRPA Expert Panel to vet through national level research proposals for national research grants. She participated in inter-ministerial meetings concerning S&T including the initial stages of Intellectual Property Rights (IPR) implementation. She also coordinated the Triple Helix Programme bringing together scientists, industrialists and the Government. She was an expert in commercialization of research for the industry. She was

also exposed to the activities of World Bodies such as UN, UNESCO, and, particularly, the OIC.



Norlidah has, either in a major or a minor way, contributed to the following National and International policies: Science and Technology Policy II (STPII), Industrial Master Plan 3 (IMP3), Internationalisation Policy for Higher Education, National Space Policy – Ground study, National Education Blueprint, OIC 1441 Vision, and more.

Norlidah continues to commit herself to national policy, the most recent being her appointment as Expert Reviewer for Strategy Paper #, Institute Masa Depan Malaysia, Feb - Mar 2020 for the Shared Prosperity Vision (SPV) 2030 and Twelfth Malaysia Plan.

# HIGHLIGHTS

- With the backdrop of nation building and socio-economic development, Norlidah was honoured to be appointed the **Advisor in Education, Science & Technology** at the Pahang State Foundation. The Pahang State Foundation deals in the socio-economic development of the peoples of Pahang. The position of Advisor in Education, Science & Technology is a position that was created by the Honourable Chief Minister of Pahang with the expectations that Norlidah would impact Pahang, particularly the youth in a substantial and sustainable way. In April 2013 (through to December 2013) Norlidah was further tasked to head the Education Aid Department, Yayasan Pahang.
- **National Level Seminar.** Invited Participant. Dr. Wan Norlidah Al-Qadri representing UMP for **Seminar Pemasaran Pengajian Tinggi** 2011; Organised by MOHE; 28 July 2011, Hotel Pan Pacific Kuala Lumpur.
- **National Level Forum.** Participant. CEO Forum 2011: Transforming Malaysia: Challenges to Becoming a High-Income Nation; 23 June 2011; Organised by Perdana Leadership Foundation Yayasan Kepimpinan Perdana: Sime Darby Convention Centre, Kuala Lumpur.
- **Main Author for OIC Policy**, Key Strategist for Academy of Sciences Malaysia & MOSTI, representing Malaysia, Presentation of Strategy entitled “Malaysia’s Input towards Making Vision 1441 a Reality”; tabled at First Meeting of the OIC Task Force for Vision 1441, Crowne Plaza Mutiara, Kuala Lumpur Malaysia, March 21-25, 2005. Secretariat Member and Rapporteur for Academy of Sciences Malaysia, First Meeting of the **OIC Task Force for Vision 1441**, Crowne Plaza Mutiara, Kuala Lumpur Malaysia, March 21-25, 2005 Rapporteur for Academy of Sciences Malaysia, Preparations of Resolutions and Report on the Malaysia – IAS 2005 Science Conference, Theme: Science, Technology and Innovation for Socio-economic Development of OIC Member Countries, Towards Vision 1441; Mutiara Crown Prince, Kuala Lumpur Malaysia, March 21-25, 2005.
- **Rapporteur and Resolutions Writer**, representing Office of Science Advisor, Prime Minister’s Department, “Second International Conference on Primary and Secondary Schools Science and Mathematics Education 2004”, themed “Creativity in Science & Mathematics Education: Gateway to the Future”, Legend Hotel, Kuala Lumpur, 16 – 18 June 2004.
- **Expert Panels** and Group Head, representing Office of Science Advisor, Prime Minister’s Department, 3rd Workshop for the “Second International Conference on Primary and Secondary Schools Science and Mathematics Education 2004”, organized by Academy of Sciences Malaysia, themed “Creativity in Science & Mathematics Education: Gateway to the Future”, Pusat Pendidikan Berterusan Universiti Malaya, 9.00 a.m. – 4.30 p.m., 12 May 2004.
- Expert in Strategy & Policy. **Science & Technology Policy II (STPII)**. Representing Office of Science Advisor, Prime Minister’s Department, Ministerial Meeting to discuss the draft of the STPII Workshop Report, Mevel 3, Block C5, MOSTE, 9.00 – 5.00p.m. 8th January, 2004. Follow-up workshops.
- Inter-Ministerial Meeting. “**National Intellectual Property Policy Briefing**” representing Office of Science Advisor, Prime Minister’s Department, Ministry of Domestic Trade and Consumer Affairs, Kuala Lumpur, 22 September, 2003.
- **International Dialogue.** Invited Participant, The First Ladies **Dialogue on Women, Peace and Development in conjunction with the 10th OIC Summit**, Renaissance, Kuala Lumpur, 17 October 2003.
- **Forum.** Invited Participant, 1st **Malaysian Maritime Simulator** Users Forum, Istana Hotel, Kuala Lumpur, 18 August 2003.
- Forum. Invited Participant, Presentation of **Photonics Top-down Project**, Putrajaya, 7 July 2003.
- Forum. Invited Participant, ASM Special Forum on Strategizing towards Enhancing Malaysia’s **Competitiveness in the Global Science & Technology Scenario**, Academy of Sciences Malaysia, Kuala Lumpur, 6 June 2003.
- **National Congress.** Kongres Kebangsaan Sains & Teknologi Melayu, Shah Alam, 28-29 May 2001. One of 20 representatives for Universiti Sains Malaysia.

# 8 Expert Consultation



## Certification

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- Certified Technology Foresight, APEC Centre for Technology, Bangkok, Thailand. International ,2004.
- The Branding of Universities. Organised by AKEPT, 15 - 16 June 2009.
- Food Handling Certification, valid for life, 2013

Dr Norlidah continues to service the local industry, government and government organs in the following areas:

- Educational forums, talks, seminars, workshops
- Training, coaching in groups or one-to-one
- White papers
- Strategy papers
- Technical publications
- Study/research proposals or projects
- Programme conceptualisation
- Production of coffee table books.
- Ect



# HIGHLIGHTS

## IMPACTING SOCIO-ECONOMY

- EXPERT CONSULTANT. "Identifying Important Areas in Chemistry for a Human Resource Development Program in Science & Technology", by Professor Muhammad Idiris Saleh and Norlidah M.N. for Department of Prime Minister, April 2001.
- Invited Participant. IGEN Ministerial Roundtable, "Pathway & Roadmap Towards a Low-Carbon Economy: Realising Development Goals & Tracking Affirmative Actions", 8th September 2011, 4.30 pm – 6.15 pm, Plenary Theatre, Level 3 KL Convention Centre, In conjunction with International Greentech & Eco Products Exhibition & Conference Malaysia.
- Expert Consultant invited by Implementation Coordination Unit, Prime Minister's Department to present with Penang Regional Development Authority (PERDA) a proposal in the development of the Northern Peninsular Region (Perlis, Kedah, Penang, Northern Perak) under 9th Malaysia Plan, in the area and economic sector of Agro-Biotechnology in particular Goat Breeding, Cattle Breeding, Sheep Breeding, Chicken Breeding, Aquaculture, Plantations, Fertiliser Technology, Soil Rehabilitation, etc. April 2006
- Invited Expert Rapporteur, International Conference & Exhibition to Criminalise War, PWTC, Kuala Lumpur, 28 – 31 October 2009. Organised by the Perdana Global Peace Organisation, Putrajaya, Chaired by the Honorable Tun Dr Mahathir Mohamad.
- Principal Expert & Project Director. Study entitled "National Angkasawan Programme – Cost Benefit Analysis". The study contributed to a cabinet paper to justify the National Astronaut Programme by Y.B. Datuk Dr Maximus Johnity Ongkili, Minister of Science, Technology and Innovation, Malaysia.
- Invited Observer (invitation by Ministry Science, Technology & Innovation), Malaysian Delegate, UNITED NATIONS Global Alliance for ICT and Development (UN GAID), Strategy Council Meeting, Global Forum on Access & Connectivity and Global Forum on Innovative Funding; Kuala Lumpur Convention Centre, Malaysia; 18-20 May 2008.
- CONSULTANCY Working Visit. Private Sector Participant of Delegation accompanying Y.B. Tan Sri Dato' Haji Muhyiddin Bin Haji Mohd Yasin, then Minister of Agriculture and Agro-Based Industries, Malaysia to South Africa, in line with the Implementation of the National Livestock Agenda, the National Agriculture Plan 3, and Malaysia Plan 9. 23rd February - 5th March 2007.
- CONSULTANCY Working Visit. Private Sector Participant of Delegation accompanying Y.Bhg. Dato' Seri Sherif Omar, then Deputy Minister of Agriculture and Agro-Based Industries, Malaysia to South Africa, in line with the Implementation of the National Livestock Agenda, the National Agriculture Plan 3, and Malaysia Plan 9. 8th – 15th December 2006.
- CONSULTANCY. Project Director Principal Expert. "Study leading to the Development of the First Malaysian Space Policy"; Project Director and Main Writer; Consultancy Project awarded to Dr Norlidah by National Space Agency Malaysia, ANGKASA; 9 September 2005.
- PANEL Chairman, Session 2: Trends and Issues in Regional Trade, "The Future of Forests in East Asia and China: New Markets for Ecosystem Services & Regional Trends in Forest Trade and Finance", International Conference organized by Forest Trends and TropBio Group; Co-Sponsored by Academy of Sciences Malaysia, Forestry Department P.Malaysia, and FRIM; Kuala Lumpur, 7 – 8 October 2004.
- Chief Rapporteur and member of International Committee, representing Office of Science Advisor, Prime Minister's Department, Preparations of Resolutions entitled "Kuala Lumpur Declaration on Science and Technology for Socio-Economic Well Being of the Ummah"; Organisation of The Islamic Conference (OIC): Conference on Science & Technology; Theme - Science and Technology for Industrial Development in Islamic Countries : Facing the Challenges of Globalisation; October 7 – 10 2003, Kuala Lumpur Malaysia.
- Moderator, representing Office of Science Advisor, Prime Minister's Department, Global Knowledge Management Forum 2003 (GKMF 2003), Hotel Istana, Kuala Lumpur, 5-7 August 2003.
- Secretariat, Head of Content, Eco-Tourism and Conservation Cluster, Malaysia-Thailand Technology and Business Partnership Dialogue, Langkawi, Malaysia, 27 – 28 July, 2003. Organised by Office of Science Advisor, Prime Minister's Department.



# 9

## Industry, Local and International Linkages

### THE GIFT OF COMMUNICATION

**Dr Norlidah has always cultivated the art of communication. This has allowed her to often be seen as the go-to-person in the organisation for inter-organisational communication or in the establishment of international collaborations.**



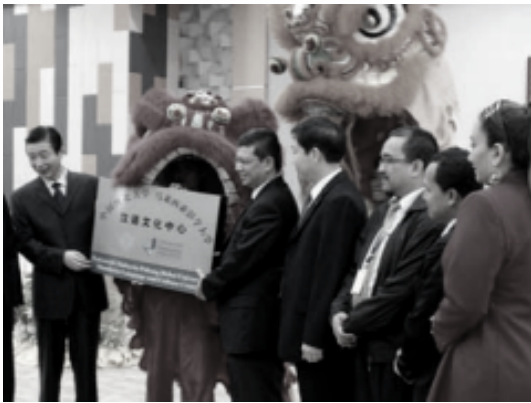
**It is important to connect academia, industry and government (here, through the Diplomatic Representatives) in order to ensure that each party is aware of the developments of the other.**



**Recording Session, Around the World in 1 Day Programme 2010 with RTM (Malaysian TV) Crew, Organised by Dr Norlidah, Director of International Office, Febuary 2011, Gambang Campus.**

**Visibility of an organisation should be strategic and authentic.**





**Connecting people of different origin or background requires elegant skill.**



# HIGHLIGHTS

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## Impact to Industry & Various Economic Sectors

### **EDUCATION, ACADEMIC CONTENT DEVELOPMENT & DELIVERY, EXAMINER**

**AQUACULTURE SECTOR** Internal Examiner for MSc in Science and Technology Policy and Philosophy, Universiti Malaya, Candidate : Ms Hanisah Hussin, Thesis entitled : Promoting Aquaculture in Malaysia : « The Role of Public and Private Institutions». July 2006

### **ACADEMIC CONTENT DEVELOPMENT & LECTURES RELATED TO TECHNOLOGY & INDUSTRY**

#### **National Science & Technology Policy & Management – Lecture**

Department of Science & Technology Studies, Universiti Malaya; Undergraduate, Yr2 Session July 2008 until 2008.

#### **Industrial Science & Technology – Lecture**

Department of Science & Technology Studies, Universiti Malaya; MSc. Session July 2005 until 2008.

#### **Science & Technology Policy & Strategy – Lecture**

Department of Science & Technology Studies, Universiti Malaya; MSc. Session July 2005 until 2008.

#### **B.BRAUN Medical Services Sdn. Bhd. (Consultant Lecturer)**

Lectures on Material Sciences, 10 hours, October 2000.

#### **Materials II - Lecture**

School of Materials & Mineral Resources Engineering, USM; 1st Year Course; Compulsory paper; EBB 122 – 3 units (42hrs); ~ 200 students; Session 1999/2000: Co Lecturer (21hrs) with Dr Shamsul Baharin Jamaludin (21hrs).

#### **Powder Technology – Lecture.**

School of Materials & Mineral Resources Engineering, USM; 2nd Year Elective Course; EBB 209 – 3 units (42hrs); min 5 students; Session 1999/2000: Unique Lecturer (42hrs)

### **POLICY & STRATEGY RELATED TO INDUSTRY & ECONOMY**

- **SPACE, WEAPONRY & ELECTRONICS SECTOR** Principal Expert & Project Director. “Study leading to the Development of the First Malaysian Space Policy”; Project Director and Main Writer; Consultancy Project awarded to Dr. Norlidah by National Space Agency Malaysia, ANGKASA; 9 September 2005.
- **INTELLECTUAL PROPERTY SECTOR** Inter-Ministerial Meeting. “National Intellectual Property Policy Briefing” representing Office of Science Advisor, Prime Minister’s Department, Ministry of Domestic Trade and Consumer Affairs, Kuala Lumpur, 22 September, 2003.

### **EXPERT ADVICE & CONSULTANCY**

- **LOW-CARBON ECONOMY** Invited Participant. IGEM Ministerial Roundtable, “Pathway & Roadmap Towards a Low-Carbon Economy: Realising Development Goals & Tracking Affirmative Actions”, 8th September 2011, 4.30 pm – 6.15 pm, Plenary Theatre, Level 3 KL Convention Centre, In conjunction with International Greentech & Eco Products Exhibition & Conference Malaysia.
- **ICT SECTOR** Invited Observer (invitation by Ministry Science, Technology & Innovation), Malaysian Delegate, UNITED NATIONS Global Alliance for ICT and Development (UN GAID), Strategy Council Meeting, Global Forum on Access & Connectivity and Global Forum on Innovative Funding; Kuala Lumpur Convention Centre, Malaysia; 18-20 May 2008.
- **ECO-TOURISM SECTOR** Secretariat, Head of Content, Eco-Tourism and Conservation Cluster, Malaysia-Thailand Technology and Business Partnership Dialogue, Langkawi, Malaysia, 27 – 28 July, 2003. Organised by Office of Science Advisor, Prime Minister’s Department.

# HIGHLIGHTS

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## Impact to Academia and Government

- Chairman, Panel 15: University-Industry Interactions, Linkages & Commercialisation; 4th ASIALICS International Conference 2007 - "Making Innovation Work for Society: Experiences from Asia"; 22-24 July 2007, University of Malaya, Kuala Lumpur.
- Coordinator for International Scientific Relations, Universiti Sains Malaysia and Université Henri Poincaré, France; June 2001 – June 2002.
- Advisor for International Relations in Malaysia, Université Henri Poincaré, Nancy, France, 2000 – 2003.
- Working Visit to China to secure establishment of the Mandarin Language & Culture Centre, IMP in collaboration with Hebei University China; organised by UMP, Date: 19-24 September 2010.
- Inter-Ministerial Meetings regarding UNESCO. Committee Member representing MOHE Sub-Committee to the Malaysian National Commission to UNESCO SKUM, MOHE. Working Committee on preparations for National Celebrations of UNESCO Day 18th November 2011, chaired by MOHE, 10.00a.m. 5th Oct. 2011; Ministerial Meeting. MOHE Sub-Committee Malaysian National Commission to UNESCO. Mesyuarat Jawatankuasa Kecil Tetap Pengajian Tinggi SKUM bil 2/2011; 23 September 2011; MOHE, Putrajaya; Ministerial Meeting. Mesyuarat Penyelarasan Penubuhan Kelab UNESCO di IPTA Malaysia; 9 June 2011; Organised by MOHE; Dewan Persidangan, Fakulti Bahasa & Liguistik, Universiti Malaya; MOHE Sub-Committee Malaysian National Commission to UNESCO. Mesyuarat Jawatankuasa Kecil Tetap Pengajian Tinggi SKUM bil 1/2011. Meeting on the Planning and Implementation of the National Commission for UNESCO Programme & Activities, 21 March 2011, MOHE, Putrajaya; Ministerial Meeting. MOHE Sub-Committee Malaysian National Commission to UNESCO. Mesyuarat Jawatankuasa Kecil Tetap Pengajian Tinggi SKUM 1/2010; Organised by Kementerian Pengajian Tinggi Malaysia; Venue: Blok E, Kementerian Pengajian Tinggi Malaysia, Putrajaya; Date: 13 April 2010.
- Event. German Day @ UMP. Event jointly organised by German Embassy in Kuala Lumpur and International Office, UMP. Over 3000 visitors to the Presentations and Mini-Exhibition. Over 200 visitors to the German movie screening. The German Embassy has claimed this event to be the 'best ever Germany Faces Event' yet to be organised in Malaysia; Venue: DKU 1, Block W UMP; Date: 15 July 2010.
- International MOU signing. Between Universiti Malaysia Pahang and South Central University for Nationalities, China within the framework of Research, Academic Exchange and Student Mobilisation; Venue: South Central University for Nationalities (SCUN), China; Date: 19 Jun 2010. Initiative driven by International Office; Between Universiti Malaysia Pahang and Regional Information Technology & Software Engineering Centre, Egypt within the framework of creating the UMP-RITSEC Gateway into the Arab World; Venue: RITSEC, Cairo, Egypt; Date: 19 May 2010. Initiative driven by International Office.

# Organisational Development

# 10



To build an organisation, the focus should be on structure and the people that constitute the organisation.



# ILLUSTRATIONS

- Key Author, Yayasan Pahang Strategic Plan 2013 – 2020 Provided key strategy input and drive, and was key author of the Strategic Roadmap and Implementation Plan of the Pahang State Foundation 2013-2020.. Norlidah contributed in providing input for the development of the State of Pahang. She provided drive and is key author of the Strategic Roadmap and Implementation Plan of the Pahang State Foundation 2013-2020. The most notable development under her responsibility was the development of entrepreneurs. Here, she conceived, developed and implemented the Pahang State Foundation Global Entrepreneur Programme, in collaboration with the International Management & Finance Academy associated to the Ecole Superieure Libre des Science Commerciales Appliquees, France (Egypt Branch). The Pahang State Foundation Global Entrepreneur Programme was initiated to address a serious issue. Yayasan Pahang was adamant to find a practical and workable solution to the problem faced by Anak Pahang graduating from the Middle-East in particular the Islamic Studies Scholars who upon returning to Malaysia found tremendous difficulty in marketability, employability, and adaptation into the Malaysian administrative system. The Foundation established, in December 2012, an Entrepreneur Development Incubator on the groundfloor of the building to efficiently monitor the development of its entrepreneurs with business ventures such as manufactured food production and agricultural ventures in paddy and cocoa. Furthermore, the Majlis Kerjasama Kepimpinan Yayasan along with the DAMAI Foundation and the PEMBINA Foundation showed interest in the process of up-scaling the Yayasan Pahang Programme to national level to offer the opportunity to students from other states.
- Development of the Implementation Blueprint of the Internationalisation Policy Document entitled “Bringing the World to University Malaysia Pahang in the Quest for Global Citizenship”. In progress in line with the University Malaysia Pahang Strategic Plan 2011 – 2015.
- Internal Workshop on the crafting and drafting of the Implementation Blueprint of the Internationalisation Policy Document entitled “Bringing the World to University Malaysia Pahang in the Quest for Global Citizenship” 29th July – 1st August 2010, Sabah.
- 2nd Internal Workshop on the Implementation Blueprint of the Internationalisation Policy Document entitled “Bringing the World to University Malaysia Pahang in the Quest for Global Citizenship” February 2011. To be carried out.

## Documentation is a key success factor in building or strengthening organisations

### ORGANISATIONAL DEVELOPMENT

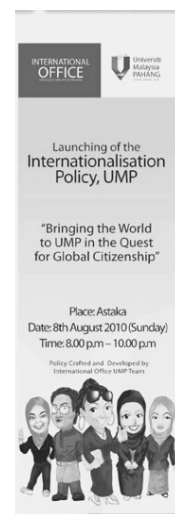
should be structured with proper documentation to guide the process.

For example to strengthen the

registration of international students and

to offer local students a global taste of university life, Dr Norlidah crafted the Internationalisation Policy of the University. This included 6 clearly outlined programmes. The development of the Internationalisation Policy of the University:

- Internationalisation Policy document crafted, drafted and submitted to university (JKPU) 30th April 2010.
- Defense of Draft Policy Document 14th July 2010.
- University Policy Document on Internationalisation entitled “Bringing the World to University Malaysia Pahang in the Quest for Global Citizenship” fully endorsed by Universiti Malaysia Pahang (JKPU): 14th July 2010.
- Policy Launching Ceremony 8th August 2010.



# 11

”

# Building Human Capital

*I absolutely love working with youth. Now that I work with children, through Mahutahu?!, I have discovered another dimension to my passion of teaching.*

*Building character, integrity and substance is an art. It takes talent, honed skill, great dedication and buckets of patience!*



# Building Leaders

**The 1 UMP 1 World Club was established to offer the students a taste of leadership with the objective of addressing global issues. The club started a trend across the universities of Malaysia.**



”

*Our youth need to be exposed to the world and exposed to struggles in order to develop leadership qualities. Spoon-feeding creates cry-babies!*

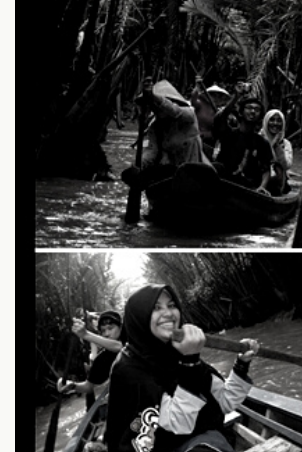
# 12

Building  
attitude,  
aptitude  
and  
affinity.



Independent  
learning and  
disciplined  
freedom are  
key!





# Transformation through strategic exposure.



## MOST MEMORABLE EXPERIENCE Awarded Malaysian Best Practice for International Mobilisation Programme

2010. Conceptualised and coordinated by Dr. Norlidah. 183 local and international university students undertook assignments in voluntarism in 9 countries: Thailand, Cambodia, Vietnam, India, Australia, China & Tibet, Egypt, Japan and Korea. The students travelled in teams of less than 5 persons, unaccompanied by an adult. For some it was the first time in their lives. Each team comprised of local students, international students, at least two different ethnics and mixed gender. The students returned home, changed!



Dear far han,  
Date: \_\_\_\_\_

Hello far han I am kunthea  
I am a student, I am 13  
year old. I love u. Thank  
you for you came at  
S.C.D. Can you come  
at S.C.D again? I Love  
you the same my brother.  
I want to go your home.  
I want to be a doctor.  
I am so happy to meet u.  
I miss you very much.  
you go your home I miss  
you every much  
from Kunthea  
for her love



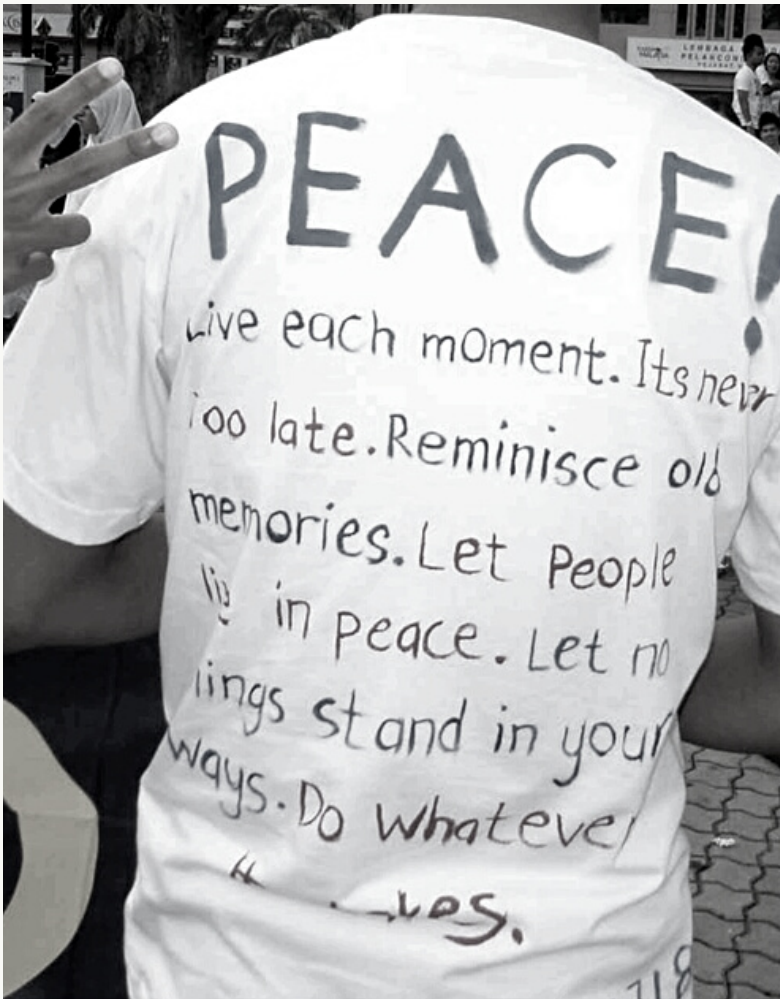
# Building Teachers of Compassion

A group of students went on assignment to Cambodia under Norlidah's initiation, without accompanying officers. They came back with love letters from the children of the orphanage where they had volunteered.



It is important to involve our youth in activities that they find meaningful. Engage them, and guide them.

# Building peace through expression



Freeze Program, World Peace Day 21 September, 2011.

A demonstration permit was obtained from the Kuantan, Pahang Police and the Kuantan City Council.

Over 700 students gathered with the Vice Chancellor of the University and the Director General of the Education Ministry.

They froze to the music of Michael Jackson, Heal the World, for 7 minutes.

This day, the students forgot their differences, and we were just Malaysians celebrating World Peace Day.





27 July 2011

hari nie pulak ade talk tentang 'internationalization and globalization' by  
 Dr. Wan Norlidah Al-Qadri...from UMP...  
 fuhhhh...masa slot nie wajib semua tak tido..hahahha....  
 dr. nie pandai berinteraksi dengan para delegasi....  
 tapi dia memang superb!!  
 (hope i will be like her one day, insyaAllah)

”

It is important  
 to make an  
 impact on the  
 young people we  
 teach or  
 communicate  
 with.

If you find your  
 name in their  
 blogs, it means  
 you are doing  
 something right!

:: ibnkhayr ::

utama Taaruf Diri

hari ketiga agak tough sedikit kerana pada hari ketiga ini para peserta 'disumbat' dengan banyak sesi2 yang menarik dan agak berat. sesi pertama untuk hari ketiga dimulakan dengan topik Internationalization & Globalization ; " Assimilating the Positive Values & Cultures of Developed Countries into Ours" oleh Dr. Wan Norlidah Al Qadri, Pengarah Pejabat Antarabangsa Universiti Malaysia Pahang. pada sesi ini Dr. telah menerangkan secara terperinci mengenai perlunya serapan nilai hidup yang positif & budaya kerja yang telus dalam kalangan mahasiswa untuk menjadi asas kepada kemajuan negara pada masa akan datang, dan sejajar dengan misi negara untuk mencapai taraf negara maju seperti Jepun, Korea, Perancis, Jerman, Amerika dan lain2. mampukah kita sebagai mahasiswa minda kelas pertama menyahut cabaran ini? segalanya terjawab di hati masing2 :)



Tahun ini juga telah menyaksikan pemergian Mentor saya, Dr. Wan Norlidah al-Qadri setelah kontrak beliau bersama Universiti Malaysia Pahang tamat, beliau merupakan bekas pensyarah Fakulti Sains dan Teknologi Industri dan juga Pengarah Pejabat Antarabangsa, saya telah mengenai Dr. Norlidah sejak 2009 dan beliau telah banyak membimbing saya dalam pelbagai bidang dari bidang akademik sehinggalah ke bidang pengurusan.

”

I get so much satisfaction from working with young people and children, especially those who really need my attention.

Yes from time to time we come across the parent who has no sense of gratitude and who teaches their child that the teacher has been paid so "squeeze the teacher". I always put my foot down! No exceptions! But these cases are rare.

I feel grateful to have found my purpose in life. Now all I need to do is keep on doing the best I can.

Dr. Wan Norlidah Al Qadri



# The Future

---



”

*My future is in my own hands. Life is so rich, so full of satisfaction. There is still so much to discover and to explore. I am master of my time, my efforts and my adventures.*

---

Patience & hard work pay.

# Mahutahu?!

# 13

MAHUTAHU?! Coaching for Independent Learning was founded, conceptualised and developed by Dr Wan Norlidah Al Qadri with the objective of focusing on UNDERSTANDING SCIENCE and connecting the whole syllabus and content from Standard Three through Form Five and beyond. For this, Dr Norlidah totally deconstructed the science syllabus (by block) and reconstructed it, thus lifting all confusion and ensuring there were no gaps in content or content flow. This deconstruction-reconstruction process took ONE & A HALF YEARS.

Coaching has been carried out continuously since January 2019 in Ipoh and Damansara, on a one-to-one level and in small groups, at three distinct levels: Upper Primary, Lower Secondary and Upper Secondary with intensive coaching for students sitting for the UPSR, PT3 and SPM National Examinations. Since October 2019, Dr Norlidah also started coaching Science for IGCSE students.

As for the pedagogic approach, Dr Norlidah applies differentiated learning. This allows her to uplift the student from the actual level that the student is at.

The coaching sessions have shown clear cut results, providing a solution for local children unable to cope with learning science in National Schools. By understanding science, the children not only enjoy science but also perform well in exams.

The experience has not only allowed Dr Norlidah to help students understand science, but also for Dr Norlidah to understand and observe the issues and learning problems faced by these students. These include: reading and comprehension issues in both Bahasa Malaysia and English; the capacity or even limited capacity of some teachers; confusions related to the syllabus and content; linguistic limitations of teachers; low presence of teachers; text book content and presentation; text book errors (content); text book errors (language); examination and test paper errors (content and language); attention and/or attention span issues of students linked to the level of interest (lack of) generated by teachers in class.

The pandemic in 2020 pushed us to go online. Today Mahutahu?! is hybrid, in person - online - digital - physical. We have our very own centre with classrooms, a library, science laboratories and in the near future we shall have our own Sky Ledge from which we shall observe our universe.



*Every child deserves an education. Every child deserves the chance to think and understand the Universe! I want to do my part in making it happen.* ”



Building future generations of thinkers  
and doers who fit into a global society.



## APTITUDE

Worldclass

## ATTITUDE

Integrity  
Accountability

Intellectual  
Academic  
Skills  
Talents

## AFFINITY

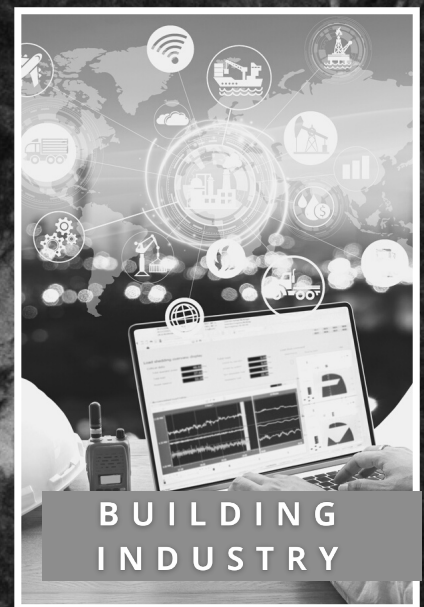
# IPOH 14



COACHING STUDENTS



COLLABORATION WITH GOVERNMENT



BUILDING INDUSTRY

”

*I'm home. I belong right here. Ipoh is home!*



Building industry and contributing to economic growth has been three-fold for Dr. Wan Norlidah:



**BUILDING**  
**industry**

Direct involvement |  
employment | business owner.

Human capital  
development

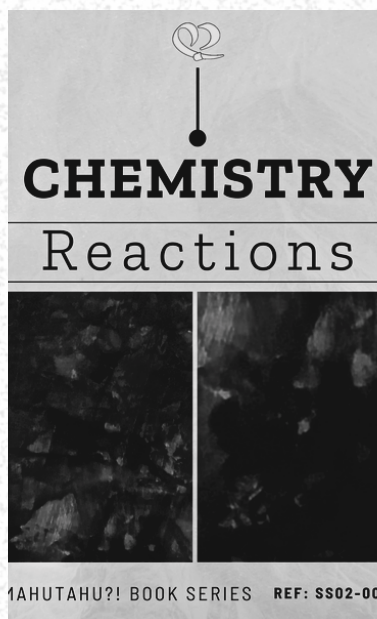
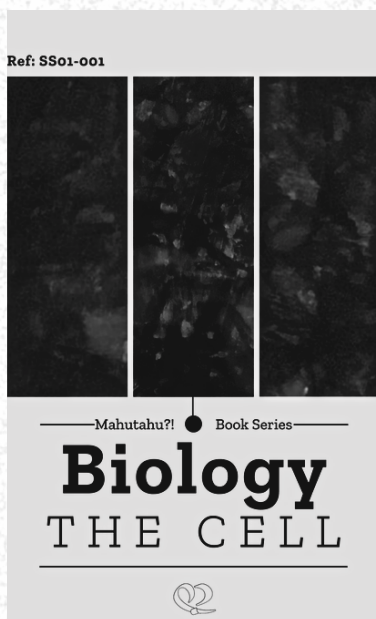


Impact through  
national policy

15

The Writer






mahutahu?! book  
collection and  
educational  
materials

**PERIODIC TABLE OF THE ELEMENTS**  
JADUAL PERKALAN UNSUR

**A3 FULL COLOUR PRINT LAMINATED CARD**

**FRONT**  
Latest, complete data compiled and presented in an easy to read format.

**BACK**  
Terminology, key summary notes, key diagrammes on atomistics, ect.



**A MUST HAVE FOR STUDENTS WHO WISH TO REACH INTERNATIONAL STANDARDS**  
Standard 6 to University

*I will finally be able  
to produce my books  
and dedicate much time  
to writing.*

”

”

*I'm looking forward to starting up my scientific research again ... in the not too distant future. Perhaps I could collaborate with the Japanese or the British or Canadian French scientists.*

16



MORLIDAH AL QADRI BT MUHAMMED NOORWAN



”

*Thank you  
to all who have believed in  
me, supported me and guided  
me.*





”

*The Universe  
beckons ... I'm  
ready!*

[WWW.MAHUTAHUEDUGATE.COM](http://WWW.MAHUTAHUEDUGATE.COM)

SCIENTIST. EDUCATOR. POLICY EXPERT