

CURRICULUM VITAE

- 2018 -



FAIRUS BIN MUHAMAD DARUS

B. Sc. (Hons.) Environmental Sciences, M. Environment Management (UKM)
Certified NLP Coach
Certified NLP Practitioner
Certified Micro Business Advisor

A. PERSONAL BACKGROUND

Date / Place of birth: 12 April 1974 / Negeri Sembilan, Malaysia
Citizenship: Malaysian
Marital status: Married with 4 children
Postal address: Faculty of Applied Sciences, Universiti Teknologi MARA Malaysia,
Shah Alam 40450, Selangor
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B. FIELD OF EXPERTISE

- Environmental Science, Environmental Management, Indoor Air
- Student Development and Leaderships

C. CAREER HISTORY (summary)

Current position:

Coordinator of Statehood
Institute of Students Leadership
Department of Students Affair
Universiti Teknologi MARA Malaysia
(*Malaysia University of Technology MARA*)

2010 – Current: **Senior Lecturer**, Faculty of Applied Sciences, Universiti Teknologi MARA Malaysia

2014 – 2017: **Coordinator of Student Affair**, Faculty of Applied Sciences, Universiti Teknologi MARA Malaysia

2007 – 2008: **Deputy Director of Campus**, Universiti Teknologi MARA Pulau Pinang

2005 – 2006: **Principal of Resident College** (College Melati and College Teratai), Department of Students Affair, Universiti Teknologi MARA Malaysia

2003 – 2004: **Head of IT Department**, Faculty of Applied Sciences, Universiti Teknologi MARA Malaysia

2001 – 2003: **Lecturer**, Programme of Environmental Technology, Faculty of Applied Sciences, Universiti Teknologi MARA Malaysia

1999 – 2000: **Education Officer**, Paya Indah Wetland Sanctuary, Sepang, Selangor.

D. QUALIFICATIONS (Academic)

- M. Environmental Management (UKM), 1998
- BSc. Environmental Science (UKM), 1997

E. PRIZES / AWARDS RECEIVED

Excellent service award. Universiti Teknologi MARA . 2015.

Excellent service award. Universiti Teknologi MARA . 2007.

Excellent service award. Universiti Teknologi MARA. 2005.

Excellent service award. Universiti Teknologi MARA. 2003.

F. TEACHING AND SUPERVISION

F. 1. Taught Courses

| Year | Course | Credit |
|----------------|---|---------------|
| 2016 - Current | Air Sampling and Analysis | 3 |
| 2015 - Current | Environmental management system | 3 |
| 2014 - 2017 | Industrial Hygiene | 3 |
| 2007 - 2008 | Chemistry | 3 |
| 2001 – 2007 | Environmental management | 3 |
| 2001 – 2007 | Environmental management system | 3 |
| 2004 – 2005 | Land Use and Housing: Environmental Issue | 3 |
| 2001 - 2002 | Waste management | 4 |
| 2001 | Ecology and ecosystem | 3 |
| 2001 | Computer and information process | 3 |

F. 2. Supervision

Postgraduate- MSc. (Supervisor / Co-Supervisor)

| No. | Year | Name of student | Title |
|------------|-------------|------------------------|---|
| 1. | 2016 | Zuriyah Salleh | Reduction of free fatty acid in waste cooking oil by using coconut coir adsorbent |
| 2. | 2015 | | |
| 3. | 2005 | Suhana Zainol | Solid state fermentation of White-Rot Fungi onto crop residue |

Undergraduate – BSc. (Supervisor)

| No. | Year | Name of student | Title |
|------------|-------------|---|---|
| 1. | 2018 | | |
| | 2017 | Izzah Haziqah Mohamad Din (2013244154) | Familiarity and understanding on classification and labeling of chemical hazard among science education student |
| 2. | 2017 | Nurul Lina Shayeeda Mohd Rizuan (2013231678) | Level of knowledge on occupational safety and health (OSH) among laboratory staff at university. |
| 3. | 2017 | Najlaa Che Lah (2013680116) | Awareness, attitude and participation towards environmental issues among students in UiTM, Selangor. |
| 4. | 2017 | Norsakinah Bt Zainol | The Correlation Between Heavy Metals In Selected Preschool Indoor And Outdoor Dust In Shah Alam |
| 5. | 2017 | Syafiqah binti Abd Shukor | Analysis Of Heavy Metal In Indoor Dust At Residential Buildings |
| 6. | 2017 | Hasmida Kamarudin | Assessment Of Heavy Metals In Cooling Fan Dust At Selected Preschool Building |
| 7. | 2017 | Siti Nor Adilla Syakila Binti Gendak | Determination Of Pahs In Urban Street Dust |
| 4. | 2017 | Nadia Shahirah Binti Mokhtar | Assessment Of Airborne Bacteria Load In Indoor Environment Of Public Library |
| 5. | 2017 | Nur Fatin Azlin Binti Borhan | Measurement And Analysis Of Airborne Fungi In Single Occupied Office Rooms |
| 6. | 2017 | Sharifah Azie Natasha Binti Syed Mohamad Dahlan | An Investigation Of The Relationship Between Airborne Fungi And Sick Building Syndrome Symptoms Among Workers In Public Library |
| 7. | 2017 | Siti Hajar Haron | The assessment of indoor airborne bacteria in gymnasium environment |
| 8. | 2017 | Siti Na'eimah Osman | Culturability And Concentration Of Indoor And Outdoor Airborne Fungi At Fitness Centre |
| 9. | 2016 | Nur Amanina Abd Manaf | |

| | | | |
|-----|------|---|---|
| 10. | 2016 | Siti Nadhirah Bakar | |
| 11. | 2016 | Nur Sabrina Bolhan | |
| 12. | 2016 | Mohamad Shahrin Mohamad Zaidell | |
| 13. | 2015 | Lily Fazlinda Binti Saffen | Investigation of airborne fungi in indoor mirco environment at library building |
| 14. | 2015 | Norazirah Binti Baharom | Perceive of Indoor air quality and sick building syndrome in Aerospace composite Malaysia Sdn Bhd |
| 15. | 2015 | Mohk Ikhrum Azzaruddin Bin Mat Hussin | The determination of airborne fungi in indoor and outdoor air environment at kindergarten in urban area. |
| 16. | 2015 | Nurnisa Nazihah Binti Mat Daud | Assessment of airborne fungi and sick building syndrome in library at UiTM Shah Alam |
| 17. | 2015 | Sylvianna Ugak | Indoor / outdoor of PM ₁₀ relationship and its water-soluble ions composition of apartment building |
| 18. | 2015 | Nurul Asikin Binti Othman | Mass concentration PM ₁₀ and heavy metals composition of indoor and outdoor in an apartment building |
| 19. | 2015 | Muhamad Rahimi Bin Satar | Indoor air quality and sick building syndrome at apartment building |
| 20. | 2014 | Nur Amira Zainal Abidin | |
| 21. | 2014 | Mahfuzah Ab Aziz | |
| 22. | 2014 | Nurul Iza Syakira Othman | |
| 23. | 2014 | Nuraini Mohamad Zin | |
| 24. | 2013 | Ahmad Faris Mohd Napi | |
| 25. | 2013 | Muhammad Nasrun Mohd. Rusdi | |

26. 2013 Muhammad Baktiar Razali
27. 2013 Norshahirah Muhd. Azan

G. RESEARCH

| Year | Title | Role | Financed By |
|-------------|---|----------------|-------------------------------------|
| 2013 - 2015 | “Strategic Framework of Safety Culture in University” | Project Member | Geran Dana Pembudayaan Penyelidikan |
| 2011 | Elemental composition of indoor dust at residential buildings near an industrial area | Project Member | Research University Grant |
| 2007 - 2008 | Impact Study on Universiti Teknologi MARA Pulau Pinang | Project Head | Research University Grant |
| 2004 – 2005 | Phytoremediation: The Used Of Selected Aquatic Wetland Plant To Remove Zinc From Contaminated Aqueous | Co-Research | Research University Grant |
| 2004 – 2005 | Activated carbons developed from oil palm fiber for the removal of dyes from dilute aqueous solution | Project Head | Research University Grant |
| 2004 – 2005 | Biotechnology of lignocellulose : The extracellular enzymes of fermentation | Co-Research | Research University Grant |

H. CONSULTANCY

1. Consultant for the project “The Application of Processes Technology To Treatment of Palm Oil Mild Effluent”. ERABA Corporation, Administration Office Technologies, Research and Development. Haneda, Japan.

I. PUBLICATION / WRITING

I. 1. Journals (International Referees)

2013

1. Naziah Muhammad Salleh, Syahrul Nizam Kamaruzzaman, Raha Sulaiman, **Fairus Muhamad Darus**. 2013. Associate Between Indoor Relative Humidity and Absenteeism at Refurbished Pre-School in Malaysia. *Advanced Sciences Letters*. Vol 19 (10) : 2999 – 3003.

2012

2. **Fairus Muhamad Darus**, Rabiatul Adawiyah Nasir, Siti Mariam Sumari, Zitty Sarah Ismail and Nur Aliah Omar. 2012. Heavy metal composition of indoor dust in nursery schools building. *Procedia – Social and Behavioral Science* 38: 169 – 175

2011

3. Hedzlin Zainuddin, Sulaiman Shaari, Ahmad malili Omar, Shahril Irwan Sulaiman, Zamalia Mahmud, **Fairus Muhamad Darus**. 2011. Prediction of module operating temperatures for free-standing (FS) photovoltaic (PV) system in Malaysia. *International Review on Modeling and simulations*. 4 (6). 3388-3394.
4. Nor Suhaila Mohamad Hanapi, Zitty Sarah Ismail, Noraishah Abdullah, **Fairus Muhamad Darus** and Noraqilah Binti Ali Akbar¹. 2011. Hotel Indoor Airborne Particulate Matter and Elemental Composition. *Research Journal of Chemical and Environment*. 15 (2). 1-5. ISSN: 0972-0626.
5. **Fairus Muhamad Darus**, Rabiatul Adawiyah Nasir, Siti Mariam Sumari, Zitty Sarah Ismail, and Nur Aliah Omar. 2011. Nursery Schools: Characterization of heavy metals content in indoor dusts from nursery schools in urban area. *Asian Journal of Environment-Behaviour Studies* Vol. 2 No. 6: 53 – 60. (ISSN: 1394-0384)

I. 2. Journals (Local Referees)

2016

1. Naziah Muhammad Salleh, Muneera Esa, Syahrul Nizam kamaruzzaman, Norhayati Mahyuddin, **Fairus Muhamad Darus**. 2016. Barrier of Ventilation Model to Achieve A Balance Environment in Refurbished Pre-School. *Jurnal Teknologi*. Vol 78 (5): 261 – 270.

2012

2. Nor Aimi Abdul Wahab, **Fairus Muhamad Darus**, Norain Isa, Siti Mariam Sumari, Nur Fatimah Muhamad Hanafi. 2012. Heavy Metal Concentration of Settled Surface Dust in Residential Building. *The Malaysian Journal of Analytical Sciences*. Vol. 16: 18 – 23.

2011

3. **Fairus Muhamad Darus**, Azni Zain-Ahmed and Mohd Talib Latif. 2011. Preliminary assessment of indoor air quality in terrace houses. *Health and the Environmental Journal*. 2 (2) : 8 – 14. USM. ISSN: 2180-1126.

2009

4. S.M. Sumari, **F.Muhamad Darus**, N.Kantasamy, N.I.Taib, S.Urban Sinyaw and I.R. Othman. Compositions of rainwater and aerosols at Global Atmospheric Watch in Danum Valley, Sabah. 2009. *The Malaysian Journal of Analytical Sciences*. **13** (1): 107 – 119.
5. **Fairus Muhamad Darus**, Nurhayati Abdul Rahman, Ahmad Zia Ul-Saufie Mohamad Japeri, dan Melinda @ Siti Asmah Yunos. Corak Perbelanjaan Mahasiswa Universiti Teknologi MARA Pulau Pinang. *Jurnal Hal Ehwal Pelajar*. Bil. 1 : 3 – 11. ISSN: 1985-6512
6. Muhamed Faez Haji Alwee, **Fairus Muhamad Darus** dan Zitty Sarah Ismail. 2009. Selamatkah Kolej Kediaman untuk Pelajar Kita? *Jurnal Hal Ehwal Pelajar*. Bil. 1 : 23 – 32. ISSN: 1985-6512

2008

7. **Fairus Muhamad Darus**. 2008. Peranan Kepimpinan Mahasiswa di Kolej Kediaman dalam Memperkasakan Kemahiran Insaniah (Soft skills). *ESTEEM Academic Journal UiTM Pulau Pinang*. 4(2): 199 – 207. ISBN: 1675-7939

1999

8. Rahim, C. M. M. Rozali, M. O., Lim, T. K., **Fairus, M. D.** Talib, M. H. L. & Lotfi, W. M. 1999. Status Pencemaran di Persisiran Pantai Morib (Selangor) hingga ke Pantai Klebang (Melaka). *The Malaysian Journal of Analytical Sciences*, 5(1): 101-106.

I. 3. Proceeding (International Conferences)

2016

1. Naziah Muhamad Salleh, Nuzaihan Aras Agus Salim, Syahrul Nizam Kamaruzzaman, Norhayati Mahyuddin, **Fairus Muhamad Darus**. 2016. The Prevelence of SBS and Absenteeism among Children in Urban Refurbished Private Pre-Schools. The 4th International Building Control Conference (IBCC) 2016.

2012

2. Zitty Sarah Ismail, **Fairus Muhamad Darus**, Naziah Muhamad Salleh, Siti Mariam Sumari, & Nik Khairun Nisa Che Harun. 2012. Thermal Environment of Natural Ventilated Preschool Buildings in Warm-Humid Climates. IEEE Symposium on Business, Engineering and Industrial Applications ISBN: 978-1-4577-1634-8

2011

3. **Fairus Muhamad Darus**, Azni Zain-Ahmed and Mohd Talib Latif. 2011. Kualiti Persekitaran Dalam Bangunan dan Impak Kesihatan Kepada Pengguna. Persidangan Kebangsaan Masyarakat, Ruang dan Alam Sekitar (MATRA 2011). Hotel Vistana, Pulau Pinang, Malaysia. 16 – 17 November 2011.
4. **Fairus Muhamad Darus**, Azni Zain-Ahmed and Mohd Talib Latif. 2011. Assessment outdoor and indoor air quality in domestic building in urban area. *International Symposium on Environment and Natural Resources. 15-17 November 2011*. Hotel Equatorial, Bangi, Malaysia. xxx – xxx. ISBN: 978-983-2457-33-6
5. Zitty Sarah Ismail, **Fairus Muhamad Darus**, Ainul Hafiza Abdul Hair., Siti Mariam Sumari and Khairil Anwar Md Mojid. 2011. Indoor dust metal concentration in residential buildings near industrial areas in Telok Panglima Garang, Selangor. *International Symposium on Environment and Natural Resources. 15-17 November 2011*. Hotel Equatorial, Bangi, Malaysia. xxx – xxx. ISBN: 978-983-2457-33-6
6. **Fairus Muhamad Darus**, Azni Zain-Ahmed and Mohd Talib Latif. 2011. Kualiti udara dalam bangunan kediaman di kawasan bandar. *Seminar Antarabangsa ke 4: Ekologi, Habitat Manusia dan Perubahan Persekitaran di Alam Melayu. 23-24 Mei 2011*. Puri Pujangga, Universiti Kebangsaan Malaysia, Bangi. Muka surat: 392 – 399. ISBN: 978-983-2457-33-6
7. Nor Aimi Abdul Wahab, Norain Isa, Nurul Izza Hussin, **Fairus Muhamad Darus dan** Nadzirah Mohd Adam. 2011. Komposisi dan kepekatan logam berat pada zarah terampai (PM_{2.5} dan PM₁₀) dalam bangunan Pra-Sekolah di kawasan bandar. *Seminar Antarabangsa ke 4: Ekologi, Habitat Manusia dan Perubahan Persekitaran di Alam Melayu. 23-24 Mei 2011*. Puri Pujangga, Universiti Kebangsaan Malaysia, Bangi. Muka surat: 382 – 391. ISBN: 978-983-2457-33-6
8. **Fairus Muhamad Darus**, Azni Zain-Ahmed and Mohd Talib Latif. 2011. Terraced Residential Housing Indoor and Outdoor Air Quality in Shah Alam, Malaysia. *International Symposium & Exhibition in Sustainable Energy & Environment. 1 – 3 June 2011*. Avillion Legacy Hotel, Melaka. IEEE Catalog Number: CFP1108P-CDR ISBN: 978-1-4577-0341-6
9. Siti Rohana Mohd Yatim, Meor Ahmad Mustaqim Meor Mohd Zain, **Fairus Muhamad Darus**, and Zitty Sarah Ismail. 2011. Thermal comfort in air-conditioned learning environment. *International Symposium & Exhibition In Sustainable Energy & Environment. 1 – 3 June 2011*. Avillion Legacy Hotel, Melaka. IEEE Catalog Number: CFP1108P-CDR ISBN: 978-1-4577-0341-6

10. Zitty Sarah Ismail, **Fairus Muhamad Darus**, Nor Suhaila Mohamad Hanapi, Siti Mariam Sumari and Siti Norhafishah Ab. Wahab. 2011. Indoor air quality (IAQ) and sick building syndrome (SBS) in office building. *1st Regional Health Science and Nursing Conference 22 – 24 Feb 2011*.
 11. Zitty Sarah Ismail, **Fairus Muhamad Darus**, Ainul Hafiza Abdul Halim, Siti Mariam Sumari and Nor Syafiqah Bab Latih. 2011. Elemental composition of indoor dust at residential buildings near an industrial area in Shah Alam, Selangor. *5th International Congress of Chemistry and Environment "ICCE-2011"* Port Dickson, Negeri Sembilan, MALAYSIA from 27th to 29th May 2011
 12. Ainul Hafiza A.H , **Fairus Muhamad-Darus**, Zitty Sarah Ismail, Siti Nor Baizura Md Zain and Nur Amira Md Rifen. 2011. Assessment of indoor mold at residential building in hot and humid climate. *5th International Congress of Chemistry and Environment "ICCE-2011"* Port Dickson, Negeri Sembilan, MALAYSIA from 27th to 29th May 2011
 13. Nor Suhaila Mohamad Hanapi, Zitty Sarah Ismail, Noraishah Abdullah, **Fairus Muhamad Darus** and Noraqilah Binti Ali Akbar¹. 2011. Hotel Indoor Airborne Particulate Matter and Elemental Composition. *5th International Congress of Chemistry and Environment "ICCE-2011"* Port Dickson, Negeri Sembilan, MALAYSIA from 27th to 29th May 2011
 14. Nesamalar Kantasamy, **Fairus Muhamad Darus**, Siti Mariam Sumari and Siniarovina ak Urban Sinyaw. 2011. Rainwater characterization at an urban site in East Malaysia. *5th International Congress of Chemistry and Environment "ICCE-2011"* Port Dickson, Negeri Sembilan, MALAYSIA from 27th to 29th May 2011
 15. **Fairus Muhamad Darus**, Norain Isa, Nor Aimi Abd Wahab, Zitty Sarah Ismail and Norzalina Mat Ali. 2011. Assessment of heavy metal concentration in road dust. *ASEAN Conference on Scientific and Social Science Research 2011 (ACSSSR2011)* 22 – 23 June 2011. Page 92. ISBN: 978-983-4298-197
 16. Nor Aimi Abd Wahab, **Fairus Muhamad-Darus**, Norain Isa, S. Mariam Sumari and Nur Aliah Omar. 2011. Outdoor and Indoor Dusts Metal Levels from Pre-school Building in Shah Alam, Selangor. *ASEAN Conference on Scientific and Social Science Research 2011 (ACSSSR2011)* 22 – 23 June 2011. Page 235. ISBN: 978-983-4298-197
- 2010**
17. Siti Mariam Sumari, **Fairus Muhamad Darus**, Nesamalar Kantasamy, and Siniarovina ak Urban Sinyaw. 2010. Rainwater characterization at Global Atmospheric Watch in Danum Valley, Sabah. *Proceeding of International Conference on Science and Social Research (CSSR 2010)*. 5-7 December 2010. Page: 485 – 490. Seri Pacific Hotel, Kuala Lumpur, Malaysia. ISBN: 978-1-4244-8985-5. IEEE Catalog Number: CFP1076L-CDR
 18. **Fairus Muhamad Darus**, Rabiatul Adawiyah Nasir, Siti Mariam Sumari, Zitty Sarah Ismail and Nur Aliah Omar. 2010. Heavy metal composition of indoor dust in nursery

schools building. *Proceeding of ASIA / Pasific International Conference on Environment-Behaviour Studies (AicE-Bs 2010)*. 7-9 December 2010. Page: PNE 1 – 5. Grand Margherita Hotel, Kuching, Sarawak, Malaysia. ISBN: 978-967-363-139-1.

19. **Fairus Muhamad Darus**, Azni Zain Ahmed, Mohd Nor Helmi Asmail, Siti Mariam Sumari and Mohd Talib Latif. 2010. Mass concentration and heavy metal composition of indoor PM₁₀ in residential building. *Proceeding of International Conference on Environmental Research and Technology (ICERT 2010)*. 2-4 June 2010. Page: 565 – 570. USM, Pulau Pinang, Malaysia. ISBN: 978-967-5417-79-5

2009

20. **Siti Mariam Sumari, Fairus Muhamad Darus, Nesamalar Kantasamy, and Siniarovina ak Urban Sinyaw**. 2009. Rainwater at selected sites in Peninsular Malaysia: A chemometric analysis study. *10th Asian Conference on Analytical Sciences 2009*.

2008

21. **Norain Isa, Fairus Muhamad Darus, Wirda Arsiah and Rusdin Laiman**: 2008. Heavy Metal Concentration In Street Dust Of Shah Alam City, Selangor. In: Jamaluddin Jahi, Kadaruddin Aiyub, Muhammad Rizal Razman, Kadir Ariffin & Azahan Awang (Eds). *Proceeding of International Conference Human Habitat and Environment Change*. 3 - 4 December 2008. page: 160 - 170. Bangi. UKM. ISBN: 978-983-42514-1-3

2005

22. **Darus, F.M., Zainol, S., Vadiveloo, J., Yusof, M.N.** 2005. Solid State Fermentation Of Rice Husks By White-Rot Fungi. In: Noor, F.F.M., Mohamad, A.A., Rashid, A.A., Abdullah, A.Z., Teong, L.K. and Saleh, S.M. (Ed.). *Proceeding of the 3rd Workshop on Regional Network Formation for Enhancing Research and Education on Material Engineering and Green Energy Technologies*, Parkroyal Hotel, Batu Feringi, Pulau Pinang. 7 – 10 August 2005. pp: 48.

I. 4. Proceeding (National Conferences)

2011

1. **Zitty Sarah Ismail, Fairus Muhamad Darus, Nor Suhaila Mohamad Hanapi, Ainul Hafiza Abdul Hair and Wan Asilah Wan Nor Asmara**. 2011. Mass concentration and elemental composition of outdoor and indoor airborne particulate in residential environment. *The 24th Regional Symposium Malaysia Analytical Sciences. 21 – 23 November 2011*. One Hotel Helang, Langkawi, Kedah. Page: 236.
2. **Nor Aimi Abdul Wahab, Fairus Muhamad Darus, Norain Isa, Siti Mariam Sumari and Nur Fatimah Muhamad Hanafi**. 2011. Heavy metal concentration of settled surface dust in residential building. *The 24th Regional Symposium*

Malaysia Analytical Sciences. 21 – 23 November 2011. One Hotel Helang, Langkawi, Kedah. Page: 215.

3. Nor Suhaila Mohamad Hanapi, Noraishah Abdullah, Hamizah Md Rasid, Zitty Sarah Ismail, **Fairus Muhamad Darus**, Hafizi Muhamad. 2011. Preliminary investigation of heavy metal composition present in the cabin air of used private cars. *The 24th Regional Symposium Malaysia Analytical Sciences. 21 – 23 November 2011.* One Hotel Helang, Langkawi, Kedah. Page: 205.
4. Zubir Othman, Siti Mariam Sumari, Irain Bahari, **Fairus Muhamad Darus**, Nesamalar Kantasamy. 2011. *The 24th Regional Symposium Malaysia Analytical Sciences. 21 – 23 November 2011.* One Hotel Helang, Langkawi, Kedah. Page: 213.
5. **Fairus Muhamad Darus**, Azni Zain-Ahmed and Mohd Talib Latif. 2011. Kualiti persekitaran dalaman dan impak kesihatan kepada penghuni. *Persidangan Kebangsaan Masyarakat, Ruang & Alam Sekitar. 16 - 17 November 2011.* Hotel Vistana, Pulau Pinang.

2010

6. **Fairus Muhamad Darus**, Nor Suhaila Mohd Hanafi, Zitty Sarah Ismail, S. Mariam Sumari and Nor Azianti Fazlina Mat Hussin. 2010. Elemental composition of indoor particulate in residential building. *Proceeding of 23th Analysis Chemistry Malaysia Symposium.* 24 – 26 December 2010. Swiss-Garden Resort & Spa, Kuala Terengganu, Terengganu. pp 694-698

2009

7. Ab Malik Marwan Ali, Hamdani Abu Hassan, Mohd Hafiz Mohd Hanafiah, Rosli Ahmad, Abdul Khatab Muda dan **Fairus Muhamad Darus**. 2009. Penggunaan Peralatan Elektrik Di Kolej Kediaman: Kajian Kes Di Kolej Jati. 1st Regional Residential Officers' Convention: Towards Students' Holistic Development. 7 – 8 October 2009. Intekma Resort & Convention Center, Shah Alam. ISBN: 978-967-305-421-5
8. Zaiton Endot, **Fairus Muhamad Darus** & Ramlah A Rahamah. 2009. Persepsi Pelajar Terhadap Aktiviti Kolej, Benarkah Pelajar Tidak Berminat? 1st Regional Residential Officers' Convention: Towards Students' Holistic Development. 7 – 8 October 2009. Intekma Resort & Convention Center, Shah Alam. ISBN: 978-967-305-421-5
9. **Fairus Muhamad Darus**, Ainorkhilah Mahmood, Siti Mariam Sumari and Siti Norlela Mohd Saad. Dye Removal From Aqueous Solution Using Palm Ash and Commercial Activated Carbon (CAC) As Adsorbent. In. Azni Zain Ahmed, Razidah Ismail and Mohd Hanafiah Abidin (Ed.): *Conference On Scientific and Social Research 08 & 09.* A'Famosa Resort, Melaka. 14 – 15 March 2009. ISBN: 978-967-305-313-3
10. Rusdin Laiman, **Fairus Muhamad Darus**, Siti Mariam Sumari and Nur Ezati Solikin. Utilization of Palm Kernel Shell Activated Carbon for Dye Removal. In. Azni Zain

Ahmed, Razidah Ismail and Mohd Hanafiah Abidin (Ed.): *Conference On Scientific and Social Research 08 & 09*. A'Famosa Resort, Melaka. 14 – 15 Macrh 2009. ISBN: 978-967-305-313-3

11. Rabiatul Adawiyah Nasir, Ahmad Nazrin Aris Anuar, **Fairus Muhamad Darus**, Nor Ajlin Jaini and Siti Aekbal Salleh. 2010. The Effects of Climatology Factors on Outdoor Recreation Perception and Activity in Shah Alam. **Proceedings of the 1st National Conference on Environment-Behaviour Studies**. 14 – 15 November 2009. Shah Alam. UiTM. ISBN: 978-967-305-449-7

2008

12. **Fairus Muhamad Darus**. 2008. Memperkasakan Tadbir Urus Kemudahan Kediaman Pelajar Menuju Kecemerlangan Hari Esok. In. Syed Yusainee Syed Yahya, Fairus Muhamad Darus dan Adnan Omar (Ed.): *Seminar Kebangsaan Tadbir Urus Kemudahan Penginapan Pelajar 2008*. Hotel Putra Palace. Arau, Perlis. 12 – 14 November 2008. ISBN: 978-967-305-251-6
13. **Fairus Muhamad Darus** dan Zainuddin Al-Mansor. 2008. Pengurusan Kediaman Pelajar Luar Kampus: Pengalaman UiTM Pulau Pinang. In. Syed Yusainee Syed Yahya, Fairus Muhamad Darus dan Adnan Omar (Ed.): *Seminar Kebangsaan Tadbir Urus Kemudahan Penginapan Pelajar 2008*. Hotel Putra Palace. Arau, Perlis. 12 – 14 November 2008. ISBN: 978-967-305-251-6
14. Muhamed Faeiz Haji Alwee, **Fairus Muhamad Darus** dan Zitty Sarah. 2008. Selamatkanlah Kolej Kediaman Untuk Pelajar Kita?. In. Syed Yusainee Syed Yahya, Fairus Muhamad Darus dan Adnan Omar (Ed.): *Seminar Kebangsaan Tadbir Urus Kemudahan Penginapan Pelajar 2008*. Hotel Putra Palace. Arau, Perlis. 12 – 14 November 2008. ISBN: 978-967-305-251-6
15. Nur Hayati Abdul Rahman, **Fairus Muhamad Darus**, Ahmad Zia Ul-Saufi Mohamad Japeri, Melinda @ Siti Asmah Yunos dan Roziyah Mohd Janor. 2008. Impak Ekonomi Perbelanjaan Pelajar Universiti Teknologi MARA Pulau Pinang Di Kawasan Seberang Perai Tengah, Pulau Pinang. In. Kamisah Ariffin dan Nazirah Ramli (Ed.): *Proceeding of National Seminar on Science, Technology and Social Sciences 2008*. UiTM Pahang: Bandar Jengka. Page: 313 – 319. 3 – 4 June 2008. M.S. Garden Hotel. Kuantan, Pahang. ISBN: 978-983-2607-17-5
16. **Fairus Muhamad Darus**, Nur Hayati Abdul Rahman, Ahmad Zia Ul-Saufie Mohamad Japeri, Melinda @ Siti Asmah Yunos and Roziyah Mohd Janor. 2008. Student Spending Pattern of Universiti Teknologi MARA Pulau Pinang (Corak Perbelanjaan Pelajar Universiti Teknologi MARA Pulau Pinang). *National Conference on Student Development*. Universiti Teknologi Malaysia, Skudai, 21 – 23 October 2008.
17. Melinda @ Siti Asmah Yunos, **Fairus Muhamad Darus**, Nur Hayati Abdul Rahman, Ahmad Zia Ul-Saufie Mohamad Japeri. 2008. Membudayakan Keusahawanan Di Kalangan Mahasiswa UiTM Pulau Pinang. *National Conference on Student Development*. Universiti Teknologi Malaysia, Skudai, 21 – 23 October 2008.

2007

18. **Fairus Muhamad Darus**, Rusdin Laiman and Mohd Nizam Yusof. 2007. The removal of basic dye (methylene blue) from aqueous solutions by adsorption on activated carbon prepared from palm oil fibre. *Conference On Scientific and Social Research (CSSR) 2006 & 2007*. 2- 5 July 2007.

19. Faeiza Buyong, Kasmawati Mohamed, **Fairus Muhamad Darus**, Zuraimi Othman. 2007. The Used Of Aquatic Wetland Plant *phylidrum lanuginosum* To Remove Lead From Aqueous Solution. *Conference On Scientific and Social Research (CSSR) 2006 & 2007*. 2- 5 July 2007.

2006

20. Deris, R. R. R., Sulaiman, M. R., **Darus, F. M.**, Mahmud, M. S. and Bakar, N. A. 2006. Pyrolysis Of Oil Palm Trunk (OPT). In: Som, M.A., Veluri, M.V.P.S., Savory, R.M., Aris, M.J. and Yang, Y.C. (Ed.). *Proceedings of the 20th Symposium of Malaysian Chemical Engineers (SOMChE 2006)*, 19 - 21 December 2006, UiTM Shah Alam, Selangor. pp 245 – 250. Shah Alam: University Publication Center (UPENA). ISBN: 983-3644-074

21. **Fairus Muhamad Darus**. 2006. Facility Maintenance Culture Amount Student: Case Study of College Melati, UiTM, Shah Alam (Budaya Penyelenggaraan Kemudahan Kolej di Kalangan Mahasiswa: Kajian Kes di Kolej Melati, UiTM, Shah Alam). *National Conference on Student Development*. Hotel Grand Season, Kuala Lumpur, 8 – 9 Ogos 2006.

22. Mazura Anuar, **Fairus Muhamad Darus** and Syed Yusainee Syeh Yahya. 2006. Human Capital Empowerment: Student Residential College Roles and Challenges Universiti Teknologi MARA, Shah Alam (Memperkasakan Modal Insan: Peranan dan Cabaran Kolej Kediaman di Universiti Teknologi MARA, Shah Alam). *National Conference on Student Development*. Hotel Grand Season, Kuala Lumpur, 8 – 9 Ogos 2006.

2005

23. Rusdin Laiman, **Fairus Muhamad Darus** dan Muhamad Rizal Yaakop. 2005. Penjanaan dan Komposisi Sisa Pepejal di Mukim Melaka Tengah, Melaka. Dlm: Jamaluddin Jahi, Kadir Ariffin, Azahan Awang, Kadaruddin Aiyub & Muhammad Rizal Razman (Eds). *Prosiding Seminar Kebangsaan Pengurusan Persekitaran 2005*. 4 – 5 Julai 2005. ms 337- 343. Bangi. UKM. ISBN: 983-2975-47-6

24. **Fairus Muhamad Darus**, Harnie Jamilah Hashim, Rusdin Laiman, dan Mohd Nizam Yusoff. 2005. Use Of Palm Oil Fiber, An Agricultural Waste For Removal Of Methylene Blue From Aqueous Solution. Dlm: Jamaluddin Jahi, Kadir Ariffin, Azahan Awang, Kadaruddin Aiyub & Muhammad Rizal Razman (Eds). *Prosiding Seminar Kebangsaan Pengurusan Persekitaran 2005*. 4 – 5 Julai 2005. ms 301 - 308. Bangi. UKM. ISBN: 983-2975-47-6

25. Raja Razuan Raja Deris, Muhamad Noor Jalil, Rosnah Shamsudin, Faeiza Buyong, Mariam Husin and **Fairus Muhamad Darus**. High Temperature Pyrolysis Technology (HTPT) As An Alternative Technique For Municipal Solid & Clinical Waste Disposal.

Seminar Kebangsaan Pengurusan Persekitaran 2005, Bangi, Selangor. 4 – 5 Julai 2005. ms 301 - 308. Bangi. UKM. ISBN: 983-2975-47-6

26. **Fairus Muhamad Darus**, Norzalaihan Ahmad and Syed Yusainee Syed Yahya. Vision and Reality: Student Development and Leadership Module at UiTM, Shah Alam (Modul Pembangunan dan Kepimpinan Pelajar di Universiti Teknologi MARA: Visi dan Realiti). *National Seminar on Hostel Management*. Hotel Century Mahkota, Melaka. 27 – 30 Nov 2005.
27. Zarina Zainol, Kamarul Arrifin Abd Basit and **Fairus Muhamad Darus**. Structuring Reporting System Framework For University Fellow: A Case Study at UiTM (*RangkaKerja Sistem Laporan Berhierarchy Untuk Felo Universiti : Kajian Kes di UiTM*). *National Seminar on Hostel Management*. Hotel Century Mahkota, Melaka. 27 – 30 Nov 2005.

2004

28. **Fairus, M. D.**, Faeiza, B. and Suzyana, A. 2004. Fern Tree (*Gleichenia Linearis*) As Metal Sorbent For Lead Ions Removal. *Proceeding of 17th Analysis Chemistry Malaysia Symposium*. 24 – 26 August 2004. Swiss-Garden Resort & Spa, Kuantan, Pahang. pp 694-698
29. Faeiza Hj Buyong, Mohamad Syarizal Bin Abdul Kadir, **Fairus Muhamad Darus** Comparison of selected parameters of leachate In different age of closed landfills. *Chemical Analysis National Symposium*. Swiss-Garden Resort & Spa, Kuantan, Pahang. 24 – 26 August 2004.

I. 5. Book / Chapter in Book/ Editor

2015

1. **Fairus Muhamad Darus**. 2015. Status kualiti udara dalaman dan hubungannya dengan kesihatan masyarakat. Dlm: Haliza Abdul Rahman, Rapeah Suppian, Norsuhana Abdul Hamid (Eds.). *Konsep dan Aplikasi: Interaksi Masyarakat dan Alam Sekitar*. 191 – 206. Batu Pahat. Penerbit UTHM. ISBN: 978-967-0764-24-5.

2010

2. **Fairus Muhamad Darus**. 2010. *Pengurusan Hal Ehwal Pelajar Di Kolej Kediaman*. Pusat Penerbitan Universiti (UPENA): Shah Alam. ISBN: 978-967-305-304-9

2009

3. Shamsudi Hj Ali, Muhammad Shukri Salleh, Mohd Amin Ahmad, Abdul Basir Awang, Ahmad Khairuman Md Hasim, Ashraf Abdullah, **Fairus Muhamad Darus**, Azman Zakaria, Mohd Zahari Yusoff, Ibrahim Othman, Meer Zhar Farouk Amir Razli, Mohd Shaharil Adzim Hassan, Muhamed Faeiz Alwee, Shamsol Hj Shafie, Wan Zukri Wan Abdullah. 2009. *Modul Kenegaraan Universiti Teknologi MARA*. Shah Alam: Pusat Penerbitan Universiti Teknologi MARA (UPENA). ISBN: 978-967-305-483-1

4. Adnan Omar, **Fairus Muhamad Darus**, Azizah Hj Yaakob, dan Muhamed Faeiz Alwee (Eds). 2009. *Seminar Keselamatan Kolej Kediaman 2009*. Hotel Grand Season, Kuala Lumpur, 8 – 9 Ogos 2006. ISBN: 978-967-305-251-6

2008

5. Syed Yusainee Syeh Yahya, **Fairus Muhamad Darus** dan Adnan Omar (Eds). 2008. *Seminar Kebangsaan Tadbir Urus Kemudahan Penginapan Pelajar 2008*. Hotel Putra Palace. Arau, Perlis. 12 – 14 November 2008. ISBN: 978-967-305-251-6

2004

6. **Fairus Muhamad Darus**. 2004. Peranan Pihak Berkuasa Tempatan Dalam Pengurusan Kualiti Udara Bandaraya Kuala Lumpur. Dlm: Jamaluddin Md Jahi, Mohd Jailani Mohd Nor, Kadir Ariffin & Azahan Awang (Eds). *Alam Sekitar Dan Kesejahteraan Masyarakat Malaysia*: 67 – 84. Bangi. UKM. ISBN: 983-2975-28-X

I. 6. Popular Publication

-NA-

I. 7. Technical Report / Final Report

1. **Fairus Muhamad Darus**, Rusdin Laiman and Mohd Nizam Yusof. 2007. The removal of basic dye (methylene blue) from aqueous solutions by adsorption on activated carbon prepared from palm oil fibre. Final Report. Short Term Grant – IRDC. Universiti Teknologi MARA.
2. **Fairus Muhamad Darus**, Nur Hayati Abdul Rahman, Ahmad Zia Ul-Saufie Mohamad Japeri and Melinda @ Siti Asmah Yunos. Impact Study of Universiti Teknologi MARA Pulau Pinang. Final Report. Short Term Grant – MRI. Universiti Teknologi MARA.

I. 8. Manuscript

J. INVOLMENT IN SEMINAR / CONFERENCES

J.1 International Level

J. 1a – As Organizing Committee

2017. Organizing Committee. *International Conference of Sustainable Agriculture, Food and Energy*. Acappella Suite Hotel, Shah Alam. 21 - 23 Ogos 2016.

2016. Organizing Committee. *Asean Smart Grid Congress*. Anjung Sri Budiman, Universiti Teknologi MARA. 8 – 10 Nov 2016.

J. 2 National Level

J. 2a – As Organizing Committee

2017. Organizing Committee. ***Public Forum: Bully***. Dewan UMNO Ampang, Kuala Lumpur. 6 Ogos 2017.

2017. Organizing Committee. ***Malaysia Air Quality Annual Seminar (MAQAS) 2017***. 12 July 2017.

2011. Organizing Committee. ***International Symposium & Exhibition in Sustainable Energy & Environment***. Avillion Legacy Hotel, Melaka. 1 – 3 June 2011.

2009. Organizing Committee. ***Seminar Kebangsaan Keselamatan Kediaman Pelajar 2009***. Hotel Grand Season, Kuala Lumpur. 12 – 14 November 2008.

2008. Organizing Committee. ***Seminar Kebangsaan Tadbir Urus Kemudahan Kediaman Pelajar 2008***. Putra Palace Hotel, Kangar, Perlis. 12 – 14 November 2008.

2004. Organizing Committee. ***Chemical Analysis National Symposium***. Swiss-Garden Resort & Spa, Kuantan, Pahang. 24 – 26 August 2004.

2004. Organizing Committee. ***Environmental Management and Pollution Control Colloquiums***. Grand Blue Wave Hotel, Shah Alam. 5 August 2004.

J. 2b – As Speaker / Presenter

J. 2c – As Participants

K. WORKSHOP AND COURSE

K.1. As Invited Speaked / Trainer

2009

1. Bengkel Fasilitator. Universiti Teknologi MARA Kampus Merbok, Kedah. 17 1 – 3 Disember 2009.– Trainer.
2. Bengkel Fasilitator. Kolej-kolej Bersekutu, UiTM (Shah Alam). 17 January 2009.– Trainer.
3. Bengkel Fasilitator. Fakulti Seni Lukis dan Seni Reka, UiTM (Shah Alam). 17 January 2009.– Trainer.

2008

1. Bengkel Penulisan Laporan Teknikal. Jabatan Perangkaan Malaysia, Putrajaya. – Invited Speaker.
2. Bengkel Kerja Berpasukan. Kolej Komuniti Kuala Langat. – Invited Speaker.

K. 2. As A Participant

2017

1. Planning and Management of Smart Grid Workshop. Organized by University of Phayao, Thailand. 28 – 29 August 2017.
2. UI-UiTM Renewable Energy Workshop 2017. Organized by Tropical Renewable Energy Center (TREC), Faculty of Engineering, Universitas Indonesia. 9 – 10 March 2017.

L. PARTICIPATION IN SOCIETIES AND COMMITTEES

2017 – Current. Vice President. Malaysian Air Quality Forum Society (MyCas)

2014 – Current. Yang Dipertua (YDP). Persatuan Ibu Bapa-Guru (PIBG), Sekolah Rendah (Perempuan) Methodist, Klang.

2011 - 2016. President. Persatuan Penduduk Taman Alam Shah 2, Klang.

2003 – 2011. Member Committee. Environmental Management Society (Malaysia).

2009. Member. Chemical Analysis Society (Malaysia).

M. ACADEMIC RECOGNITION

M. 1. Editorial Board

1. Editorial Member for Proceeding of Student Residential Safety National Seminar
2. Editorial Member for Proceeding of Student Residential Facilities National Seminar

M. 2. Manuscript Assessor

1. Assessor for the manuscript entitled *Preliminary assessment of air quality using automated gas analyser at environmental monitoring station of UiTM Shah Alam*. Proceeding of Conference On Scientific and Social Research (CSSR) 2006 & 2007. ISBN: 978-967-305-014-7

M.3 Journal Assessor

-NA-

M.4 Internal Examiner

-NA-

N. RESEARCH COLLABORATIONS

-NA-

O. PARTICIPATION IN UNIVERSITY / FACULTY COMMITTEES

2017

2016

2015