

# CURRICULUM VITAE



<b>A. BUTIR-BUTIR PERIBADI</b> <i>(Personal Details)</i>			
Nama Penuh <i>(Full Name)</i>	<b>FERDIUS @ FERDAUS BINTI MOHAMAT YUSUFF</b>		Gelaran <i>(Title)</i> : <b>Dr.</b>
No. MyKad / No. Pasport <i>(Mykad No. / Passport No.)</i>	Warganegara <i>(Citizenship)</i> <b>Malaysia</b>	Bangsa <i>(Race)</i> <b>Melayu</b>	Jantina <i>(Gender)</i> <b>Female</b>
Jawatan <i>(Designation)</i>	<b>Senior Lecturer</b>	Tarikh Lahir <i>(Date of Birth)</i>	

Alamat Semasa <i>(Current Address)</i>	Jabatan/Fakulti <i>(Department/Faculty)</i>	E-mel dan URL <i>(E-mail Address and URL)</i>
	<b>Department of Environmental Sciences, Faculty of Environmental Studies, Universiti Putra Malaysia Serdang, 43300 Selangor, Malaysia</b>  Tel: 03-8946 8023 Fax:03-8943 8109	E-mail: <a href="mailto:ferdius@upm.edu.my">ferdius@upm.edu.my</a>

<b>B. KELAYAKAN AKADEMIK</b> <i>(Academic Qualification)</i>			
Nama Sijil / Kelayakan <i>(Certificate / Qualification obtained)</i>	Nama Sekolah Institusi <i>(Name of School / Institution)</i>	Tahun <i>(Year obtained)</i>	Bidang pengkhususan <i>(Area of Specialization)</i>
<b>Doctor of Philosophy (Ph.D.)</b>	<b>The University of Tokyo  Graduate School of Frontier Sciences The University of Tokyo Kashiwanoha 5-1-5 Kashiwa 277-8564 JAPAN</b>	<b>2011</b>	<b>Natural Environmental Studies (Marine)</b>
<b>Master of Science (M.Sc.)</b>	<b>Universiti Putra Malaysia  Department of Biology, Faculty of Sciences and Environmental Studies Universiti Putra Malaysia Serdang, 43300 Selangor, MALAYSIA</b>	<b>2006</b>	<b>Ecotoxicology</b>
<b>Bachelor of Science (B.Sc. (Hons.))</b>	<b>Universiti Putra Malaysia  Department of Biology, Faculty of Sciences and Environmental Studies Universiti Putra Malaysia Serdang, 43300 Selangor, MALAYSIA</b>	<b>2002</b>	<b>Biology</b>

Secondary Education PMR SPM	Sekolah Menengah Kebangsaan Khir Johari, Sungai Sumun, Perak (MALAYSIA)		1992-1996
Primary Education UPSR	Sekolah Rendah Kebangsaan Khir Johari, Sungai Sumun, Perak (MALAYSIA)		1986-1991

<b>C. KEMAHIRAN BAHASA</b> ( <i>Language Proficiency</i> )					
Bahasa / Language	Lemah Poor (1)	Sederhana Moderate (2)	Baik Good (3)	Amat Baik Very good (4)	Cemerlang Excellent (5)
English				√	
Bahasa Melayu				√	
Chinese					
Lain-lain ( <i>other</i> ):		√			

<b>D. PENGALAMAN SAINTIFIK DAN PENGKHUSUSAN</b> ( <i>Scientific experience and Specialisation</i> )					
Organization	Position	Start Date	End Date	Expertise	
International Coastal Research Center, The Atmosphere and Ocean Research Institute, The University of Tokyo, 〒028-1102 Iwate Prefecture, Kamihei District, Akahama, 2-106-1 JAPAN	Researcher	28/08/2012	3/9/2012	Marine Science	
Department of Biosphere Sciences School of Human Sciences Kobe College 4-1, Okadayama, Nishinomiya Hyogo, 662-8505, Japan	Researcher	2013	2015	Analysis of Organic Tin Compounds and Alternative Biocides	
JSPS: Asian CORE and Core- to-Core Program	Researcher	2013	On-going	Analysis of Organic Tin Compounds and Alternative Biocides	
Faculty of Sciences and Technology, Universiti Kebangsaan Malaysia (UKM), 43600 Bangi, Selangor, Malaysia	Researcher	2016	2017	Analysis of Radionuclide from marine sediment	

<b>E. PEKERJAAN</b> ( <i>Employment</i> )				
Majikan / Employer	Jawatan / Designation	Jabatan / Department	Tarikh lantikan / Start Date	Tarikh tamat / Date Ended

<b>Universiti Putra Malaysia</b>	<b>Tutor</b>	Department of Environmental Sciences, Faculty of Environmental Studies, Universiti Putra Malaysia	<b>28/06/2007</b>	<b>23/03/2011</b>
<b>Universiti Putra Malaysia</b>	<b>Senior Lecturer</b>	Department of Environmental Sciences, Faculty of Environmental Studies, Universiti Putra Malaysia	<b>25/03/2011</b>	<b>Present</b>

<b>F. ANUGERAH DAN HADIAH</b> ( <i>Honours and Awards</i> )				
<i>Name of awards</i>	<i>Title</i>	<i>Award Authority</i>	<i>Award Type</i>	<i>Year</i>
<i>Academic Awards</i>	<b>1. SLAI Scholarship for Doctorate (Ph.D.) program</b> <b>2. PASCA Scholarship for Graduate (M.Sc.) program</b> <b>3. MARA Scholarship for undergraduate (B.Sc.H) program</b>	<b>1. Ministry of Higher Education (MOHE)</b>  <b>2. Universiti Putra Malaysia (UPM)</b>  <b>3. Majlis Amanah Rakyat (MARA)</b>	<b>1. National</b>  <b>2. University</b>  <b>3. National</b>	<b>2007</b>  <b>2002</b>  <b>1998</b>
<i>Non-Academic Awards</i>	<b>1. Four (4) stars rating for Community Project under KTP</b>  <b>2. Sponsorship to attend training at Department of Biosphere Sciences School of Human Sciences Kobe College 4-1,</b>	<b>UCTC UPM</b>  <b>JSPS</b>	<b>University</b>  <b>International</b>	<b>2015</b>  <b>2013</b>

	Okadayama, Nishinomiya Hyogo, 662- 8505, Japan			
	3. Sponsorship to attend LIPI- JSPS Asian CORE Program: Joint International Seminar on Coastal Ecosystems in Southeast Asia (COMSEA)	JSPS	International	2012
<i>Awards of Merit</i>	1. Best community network project (Category Academic Staff)	Universiti Putra Malaysia	University	2016
	2. Silver medal in PRPI UPM 2016	Universiti Putra Malaysia	University	2016
	3. Anugerah Perkhidmatan Cemerlang 2015	Universiti Putra Malaysia	University	2016
	4. Anugerah Perkhidmatan Cemerlang 2014	Universiti Putra Malaysia	University	2015
	5. Anugerah Perkhidmatan Cemerlang 2013	Universiti Putra Malaysia	University	2014
	6. Anugerah Perkhidmatan Cemerlang 2012	Universiti Putra Malaysia	University	2013

**G. SENARAI PENERBITAN (Sila masukan nama pengarang, tajuk, nama jurnal, jilid, muka surat dan tahun diterbitkan) (List of publications – author (s), title, journal, volume, page and year published)**

<i>Journal</i>	1. NMA Shaala, SZ Zulkifli, A Ismail, MNA Azmai, <b>F Mohamat-Yusuff</b> , H Omar (2017) Effects of tributyltin chloride (TBTCI) antifouling biocide on adult males and females of brine shrimp ( <i>Artemia salina</i> ). International Journal of Biological Research 5 (1), 30-35
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2. Ashton Lim Suelee, Sharifah Nur Munirah Syed Hasan, Faradiella Mohd Kusin, **Ferdaus Mohamat Yusuff**, Zelina Zaiton Ibrahim (2017) Phytoremediation Potential of Vetiver Grass (*Vetiveria zizanioides*) for Treatment of Metal-Contaminated Water. *Water, Air, & Soil Pollution* 228 (4), 158
3. Fathia Alaswad, **Ferdaus Mohamat-Yusuff**, Roslan Ismail, Faradiella Mohd Kusin, Zulfa Hanan Asha'ari, Khairiah J. (2017) Spatial Distribution of Carbon and Nitrogen Stable Isotope in Soil of an Oil Palm Plantation. *Advances in Environmental Biology* 11 (1), 16-25
4. Ahmad Fadhil Mohd Salleh, Mohammad Noor Azmai Amal, Nurul Shaqinah Nasruddin, Syaizwan Zahmir Zulkifli, **Ferdaus Mohamat-Yusuff**, Wan Norhamidah Wan Ibrahim, Ahmad Ismail (2017). Water pH effects on survival, reproductive performances and ultrastructure of gonads, gills and skins of Javanese medaka (*Oryzias javanicus*). *Turkish Journal of Veterinary and Animal Sciences*. 41
5. BTH Guan, **F Mohamat-Yusuff**, N Halimoon, CSY Yong (2017) Uptake of Mn and Cd by Wild Water Spinach and Their Bioaccumulation and Translocation Factors. *EnvironmentAsia* 10 (1), 44-51
6. FZA Aziz, SZ Zulkifli, **F Mohamat-Yusuff**, MNA Azmai, A Ismail (2017) An Histological Study on Mercury-Induced Gonadal Impairment in Javanese Medaka (*Oryzias javanicus*). *Turkish Journal of Fisheries and Aquatic Sciences*
7. Malaysia FM Kusin, NIM Akhir, **F Mohamat-Yusuff**, M Awang (2016) Greenhouse gas emissions during plantation stage of palm oil-based biofuel production addressing different land conversion scenarios in *Environmental Science and Pollution Research*, 1-12
8. SN Muhammad, FM Kusin, MS Md Zahar, **F Mohamat Yusuff**, N Halimoon (2016) Passive bioremediation technology incorporating lignocellulosic spent mushroom compost and limestone for metal-and sulfate-rich acid mine drainage *Environmental Technology*, 1-10
9. Abubakar, MB Mustafa, WLW Johari, SZ Zulkifli, **F Mohamat-Yusuff** (2016) Tributyltin (TBT) Tolerance of Indigenous and Non-indigenous Bacterial Species *A Water, Air, & Soil Pollution* 227 (8), 1-8
10. Stable isotope ( $\delta^{13}C$  and  $\delta^{15}N$ ) analysis as a tool to quantify the food web structure in seagrass area of Pulai River estuary, Johor, Peninsular Malaysia A MUKHTAR, SZ ZULKIFLI, **F MOHAMAT-YUSUF**, A ISMAIL, N MIYAZAKI *Malayan Nature Journal* (2016)
11. FM Kusin, MSA Rahman, Z Madzin, S Jusop, F Mohamat-Yusuff, M Ariffin (2016) The occurrence and potential ecological risk assessment of bauxite mine-impacted water and sediments in Kuantan, Pahang, Malaysia *Environmental Science and Pollution Research*, 1-16
12. SZ ZULKIFLI, **F MOHAMAT-YUSUFF**, A MUKHTAR, A ISMAIL, NOBUYUKI MIYAZAKI (2016) BIOMAGNIFICATION OF SELECTED TOXIC TRACE ELEMENTS (CR, AS, CD, PB) IN A MANGROVE ECOSYSTEM: INSIGHTS FROM STABLE ISOTOPE ANALYSIS. *Pollution Research*
13. FM Kusin, NIM Akhir, **F Mohamat-Yusuff**, M Awang (2015) Nitrous oxide emission from nitrogen fertiliser application in oil palm plantation of different stages *International Journal of Global Warming* 9 (4), 529-541
14. A Abubakar, MB Mustafa, WLW Johari, SZ Zulkifli, A Ismail, **F Mohamat-Yusuff** (2015) Klebsiella sp. FIRD 2, a TBT-resistant bacterium isolated from contaminated surface sediment along Strait of Johor Malaysia *Marine pollution bulletin* 101 (1), 280-283
15. M Keshavarzifard, MP Zakaria, T Shau Hwai, **F Mohamat Yusuff** (2015) Distributions and source apportionment of sediment-associated polycyclic aromatic hydrocarbons (PAHs) and hopanes in rivers and estuaries of Peninsular Malaysia *Environmental Science and Pollution Research*, 1-14
16. **F Mohamat-Yusuff**, LS Yun, ECK Wan, SZ Zulkifli (2015) Profile of Heavy Metals Level in Catfish (*Hexanemachthys sagor*) and Green Mussel (*Perna viridis*) from Kong Kong Laut, Johor Straits *Acta Biologica Malaysiana* 4 (2), 46-50
17. FM Kusin, NIM Akhir, **F Mohamat-Yusuff**, M Awang (2015) The impact of nitrogen fertilizer use on greenhouse gas emissions in an oil palm plantation associated with land use change. *Atmósfera* 28 (4), 243-250
18. NMA Shaala, SZ Zulkifli, A Ismail, MNA Azmai, **F Mohamat-Yusuff** (2015) Lethal concentration 50 (LC50) and effects of Diuron on morphology of brine shrimp *Artemia salina* (Branchiopoda: Anostraca) *Nauplii Procedia Environmental Sciences* 30, 279-284
19. AAM Joni, SZ Zulkifli, **F Mohamat-Yusuff**, M Hanapiah, A Mukhtar, A Ismail, (2015) Utilization of dual stable isotope markers ( $\delta^{13}C$  and  $\delta^{15}N$ ) to determine trophic structure in aquatic environment of Malaysian peat swamp forest *Procedia Environmental Sciences* 30, 250-255
20. NIM Akhir, FM Kusin, **F Mohamat-Yusuff**, M Awang, ZH Ash'aari (2015) Impact of nitrogen fertilizer application on nitrous oxide emission in oil palm plantation. *Procedia Environmental Sciences* 30, 315-319
21. SZ Zulkifli, **F Mohamat-Yusuff**, A Ismail, A Aziz, AA Sabuti, CAR Mohamed (2015) Status of heavy metals in surface sediments of the western part of the Johor straits using a sediment quality guideline. *World* 7 (3), 214-220
22. F Mohd Kusin, NI Mat Akhir, **F Mohamat-Yusuff**, M Awang (2015) The impact of nitrogen fertilizer use on greenhouse gas emissions in an oil palm plantation associated with land use change *Atmósfera* 28 (4), 243-250
23. M Keshavarzifard, MP Zakaria, TS Hwai, S Mustafa, V Vaezzadeh **F Mohamat-Yusuff** (2014) Baseline distributions and sources of polycyclic aromatic hydrocarbons (PAHs) in the surface sediments from the Prai and Malacca Rivers, Peninsular Malaysia. *Marine pollution bulletin* 88 (1), 366-372
24. **F Mohamat-Yusuff**, SZ Zulkifli, T Otake, H Harino, A Ismail (2014) Study on a new

	<p>mechanism of sterilization in imposex affected females of tropical marine neogastropod, <i>Thais</i> sp. <i>Journal of Environmental Biology</i> 35 (5), 995</p> <ol style="list-style-type: none"> <li>25. M Akhir, N Izzati, F Mohd Kusin, <b>F Mohamat Yusuff</b>, M Awang, F Hamka (2014) Nitrous oxide emission from different land use changes associated with oil palm plantation <i>Journal of Agriculture and Environmental Sciences</i> 3 (2), 421-431</li> <li>26. F MOHAMAT-YUSUFF, K SIEN, WANLWAN JOHARI, A ISMAIL SZ ZULKIFLI (2014) Potential tributyl-tin (TBT) biodegradation agent in contaminated sediment <i>Malayan Nature Journal</i> 66 (1and2), 81-93</li> <li>27. SA Ramsie, SZ Zulkifli, <b>F Mohamat-Yusuf</b>, A Ismail (2014) Geochemical Fractionations of Heavy Metals in Sediments of Sepang Besar River, Malaysia <i>Acta Biologica Malaysiana</i> 3 (1), 1-9</li> <li>28. A Ismail, AF Hazizan, SZ Zulkifli, <b>F Mohamat-Yusuff</b>, H Omar, K Arizono (2014) Determination of 17<math>\beta</math>-Estradiol Concentration in Aquatic Environment of Peninsular Malaysia using the ELISA Technique <i>Life Science Journal</i> 11 (8), 673-679</li> <li>29. SA Ramsie, SZ Zulkifli, F Mohamat-Yusuf, A Ismail, CAR Mohamed (2014) Geochronology of 210Pb in Sediments of Sepang Besar River, Malaysia <i>From Sources to Solution</i>, 245-249</li> <li>30. SZ Zulkifli, <b>F Mohamat-Yusuff</b>, A Mukhtar, A Ismail, N Miyazaki (2014) Determination of food web in intertidal mudflat of tropical mangrove ecosystem using stable isotope markers: A preliminary study <i>Life Science Journal</i> 11 (3), 427-431</li> <li>31. ECK Wan, <b>F Mohamat-Yusuff</b> (2014) Contamination of Trace Elements (Cu, Pb, Cr) in Kong Ko Laut, Johor, Malaysia <i>From Sources to Solution</i>, 567-572</li> <li>32. SZ Zulkifli, <b>F Mohamat-Yusuff</b>, A Ismail (2012) Bioaccumulation of selected heavy metals in soldier crabs, <i>Dotilla myctiroides</i> (Decapoda: Ocypodidae) from Bagan Lalang, Selangor, Malaysia. <i>Acta Biol Malays</i> 1, 94-100</li> <li>33. SZ Zulkifli, <b>F Mohamat-Yusuff</b>, A Ismail, N Miyazaki (2011) Food preference of the giant mudskipper <i>Periophthalmodon schlosseri</i> (Teleostei: Gobiidae). <i>Knowledge and Management of Aquatic Ecosystems</i>, 07</li> <li>34. <b>F Mohamat-Yusuff</b>, SZ Zulkifli, A Ismail, MK Yusof, T Otake (2012) Field survey and spatial distribution of tropical neogastropod, <i>Thais</i> spp., along Malaysian coastal area. <i>Acta Biologica Malaysiana</i> 1 (1), 9-17</li> <li>35. <b>F Mohamat-Yusuff</b>, SZ Zulkifli, A Ismail (2011) Imposex study on <i>Thais tuberosa</i> from port and non-port areas along the west coast of Peninsular Malaysia. <i>Journal of Tropical Marine Ecosystem</i> 1 (2)</li> <li>36. <b>Ferdous Mohamat-Yusuff</b>, Syaizwan Zahmir Zulkifli, Ahmad Ismail, Hiroya Harino, Mohd Kamil Yusoff and Takaomi Arai. (2010). Imposex in <i>Thais gradata</i> as a biomarker for TBT contamination on the southern coast of Peninsular Malaysia. <i>Water, Air &amp; Soil Pollution</i> 211(1-4): 443-457.</li> <li>37. Syaizwan Zahmir Zulkifli, <b>Ferdous Mohamat-Yusuff</b>, Takaomi Arai, Ahmad Ismail and Nobuyuki Miyazaki (2010). Johor Strait as a hotspot for trace elements contamination in Peninsular Malaysia. <i>Bulletin of Environmental Contamination and Toxicology</i> 84: 568-573.</li> <li>38. Syaizwan Zahmir Zulkifli, <b>Ferdous Mohamat-Yusuff</b>, Takaomi Arai, Ahmad Ismail and Nobuyuki Miyazaki (2010). An assessment of selected trace elements in intertidal sediments collected from the Peninsular Malaysia. <i>Environmental Monitoring and Assessment</i> 169(1-4): 457-472.</li> <li>39. Ismail, A., Z.Z. Syaizwan, <b>M.Y. Ferdus</b>, Y. Usuki, S. Kitajima and K. Arizono. (2007). Assessment of the 17<math>\beta</math>-estradiol in the aquatic environments around Klang Valley, Malaysia. <i>Wetland Science</i> 5(4): 322-325.</li> </ol>
Books/Monographs	
Chapter in book	<ol style="list-style-type: none"> <li>1. Siti Nur Syahadah Dollah and <b>Ferdous Mohamat-Yusuff</b> (2017). Study on Effect of pH and Redox Manipulation toward Meiofauna Composition in Surface Sediment from Kong Kong Laut Area. In Che Abd. Rahim, M., Mohd, S. and Ain Farhana M.Y. (eds.). <i>Isu-isu Terkini Penyelidikan Saintifik Sains Marin di Malaysia</i>. Pusat Pengajian Sekitaran dan Sumber Alam (PPSSSA), Fakulti Sains &amp; Teknologi, Universiti Kebangsaan Malaysia. Bangi. Pp. 18-22. (ISBN 978-983-41358-3-6)</li> <li>2. Munirah Hanapih, Syaizwan Zahmir Zulkifli, Mohammad Shahid Shahrin, <b>Ferdous Mohamat-Yusuff</b>, Ahmad Ismail, Hiroya Harino, Koji Inoe (2017). Concentration of Antifoulant Herbicides, Diuron in the Vicinity of Port Klang, Malaysia. In Che Abd. Rahim, M., Mohd, S. and Ain Farhana M.Y. (eds.). <i>Isu-isu Terkini Penyelidikan Saintifik Sains Marin di Malaysia</i>. Pusat Pengajian Sekitaran dan Sumber Alam (PPSSSA), Fakulti Sains &amp; Teknologi, Universiti Kebangsaan Malaysia. Bangi. Pp. 35-38. (ISBN 978-983-41358-3-6)</li> <li>3. Eddie Cheah Kee Wan, <b>Ferdous Mohamat-Yusuff</b> (2014). Contamination of Trace Elements (Cu, Pb, Cr) in Kong Kong Laut, Johor, Malaysia. <i>In: Aris, M.Z., Tengku Ismail, T.H., Harun, R., Abdullah, A.M. and Ishak, M.Y. (eds.). From Sources to Solution. Proceedings of the International Conference on Environmental Forensics 2013. Springer, Singapore. pp. 567-572</i></li> <li>4. Siti Aishah Ramsie, Syaizwan Zahmir Zulkifli, <b>Ferdous Mohamat-Yusuff</b>, Ahmad Ismail</li> </ol>

	<p>and Che Abd Rahim Mohamed. (2014). Geochronology of <sup>210</sup>Pb in Sediments of Sepang Besar River, Malaysia. <i>In: Aris, M.Z., Tengku Ismail, T.H., Harun, R., Abdullah, A.M. and Ishak, M.Y. (eds.). From Sources to Solution. Proceedings of the International Conference on Environmental Forensics 2013. Springer, Singapore. pp. 245-249.</i></p> <p>5. Ismail, A., Zulkifli, S.Z., <b>Mohamat-Yusuff, F.</b> and Yusof, S. 2010. Imposex in <i>Thais</i> spp. (gastropod) along southern and eastern coast of Johor as a potential monitoring organism for TBT contamination. <i>In: Che Abd Rahim, M., Fathul Karim, S., Azima, A.M., Mustafa, O., Zaidi, C.C and Lee, J.N. (eds.). The studies of Johor east coast: Preserve Mersing heritage. Pusat Penyelidikan Ekosistem Marin (EKOMAR), Bangi. pp. 227-234. (ISBN 978-967-5048-93-7).</i></p>
<p>Proceedings</p>	<ol style="list-style-type: none"> <li>1. Yeoh Xiwen, <b>Ferdaus Mohamat-Yusuff</b>, Kit Wui Sien, Amirul Azuan Md. Joni, Syaizwan Zahmir Zulkifli, Ahmad Ismail, Japar Sidek Bujang, Muta Harah Zakaria (2017) Concentrations of Cadmium and Lead in sediment and Enhalus acoroides at Merambong seagrass bed during on-going land reclamation. JSPS-CCore-RENSEA. First Joint Seminar on Coastal Ecosystems in Southeast Asia. 14–16 March 2017.</li> <li>2. Fatin Zahidah Abd Aziz, Syaizwan Zahmir Zulkifli, <b>Ferdaus Mohamat-Yusuff</b>, Shahrizad Yusof, Ahmad Ismail, Koji Inoue (2017) Metallothionein-Like Protein Levels, Histology and Immunohistochemistry for Activated Caspase-3 in Javanese Medaka (<i>Oryzias javanicus</i>) Exposed to Different Concentrations of Zinc Pyrithione (ZnPT). JSPS-CCore-RENSEA. First Joint Seminar on Coastal Ecosystems in Southeast Asia. 14–16 March 2017.</li> <li>3. Munirah Hanapiah, Syaizwan Zahmir Zulkifli, <b>Ferdaus Mohamat-Yusuff</b>, Ahmad Ismail, Hiroya Harino, Koji Inoe (2017) Occurrences of Phenylurea Herbicide (Diuron) in Sediments, Seawater and Porewater Collected From Port Klang, Malaysia. JSPS-CCore-RENSEA. First Joint Seminar on Coastal Ecosystems in Southeast Asia. 14–16 March 2017.</li> <li>4. Abdussamad Abubakar, Muskhazli B Mustafa, Wan Lutfi Wan Johari, Syaizwan Zahmir Zulkifli, Ahmad Ismail, <b>Ferdaus Binti Mohamat Yusuff</b> (2016). Tolerance of <i>Klebsiella</i> sp. FIRD 2, a TBT-resistant bacterium to heavy metals (Cu, Pb, Zn and Cd). In-house Seminar of The Chemical Oceanography Laboratory (Issue 1, Vol III) 9/2016, ISSN - 0127 - 9629</li> <li>5. <b>Ferdaus Binti Mohamat Yusuff</b>, Amirul Azwan Md Joni, Faradiella Mohd Kusin, Khairul Nizam Mohamed, Syaizwan Zahmir Zulkifli, (2016) Cockles farming project with methods capable to maximize the size of the shells as one of the products for Koperasi Kampung Sungai Latoh Masai Berhad. 3rd NATIONAL CONFERENCE ON KNOWLEDGE TRANSFER “Lifelong Learning 0through Knowledge Transfer for Nation Capacity Building” 30 Nov – 1 Dec 2016. Pp. 40.</li> <li>6. Nor Amidinewani Ibrahim, <b>Ferdaus Mohamat-Yusuff</b>, Faradiella Mohd Kusin, Zelina Zaiton Ibrahim (2016) Determination of Mn and Pb uptake by vetiver grass (<i>Vetiveria zizanioides</i>) with different shoot length in artificial running water system. Malaysia International Biology Symposium 2016 (i-SIMBIOMAS 2016). 26-27 October 2016. Putrajaya, Malaysia.</li> <li>7. Tony Austin Bin Sharif @ Ukang, <b>Ferdaus Mohamat-Yusuff</b>, Faradiella Mohd Kusin, Zelina Zaiton Ibrahim (2016) Phytoremediation of Heavy Metals (Pb, Zn, Fe, Cu, Mn) in Controlled Running Water System by using Vetiver grass (<i>Vetiveria zizanioides</i>). Malaysia International Biology Symposium 2016 (i-SIMBIOMAS 2016). 26-27 October 2016. Putrajaya, Malaysia.</li> <li>8. Fatin Zahidah Abd Aziz, Syaizwan Zahmir Zulkifli, <b>Ferdaus Mohamat-Yusuff</b>, Ahmad Ismail, Koji Inoue. (2016). Histological studies and immunochemistry for activated caspase-3 in Javanese medaka (<i>Oryzias javanicus</i>) exposed to different concentrations of zinc pyrithione (ZnPT). Malaysia International Biology Symposium 2016 (i-SIMBIOMAS 2016). 26-27 October 2016. Putrajaya, Malaysia. Pp. 64.</li> <li>9. Nur Ainanabila Mohd-Aini, Munirah Hanapiah, Muskhazli Mustafa, Syaizwan Zahmir Zulkifli, <b>Ferdaus Mohamat-Yusuff</b>, Ahmad Ismail. (2016). Resistance capability of indigenous and non-indigenous bacteria species on 3,4-dichloroaniline. Malaysia International Biology Symposium 2016 (i-SIMBIOMAS 2016). 26-27 October 2016. Putrajaya, Malaysia. Pp. 62.</li> <li>10. Najla Mohamed Abu Shaala, Syaizwan Zahmir Zulkifli, Ahmad Ismail, Mohammed Noor Amal Azmai, <b>Ferdaus Mohamat Yusuff</b>. (2016). Median lethal concentration (LC50) and morphological effects of tributyltin chloride (TBTCl) on male and female <i>Artemia salina</i>. Malaysia International Biology Symposium 2016 (i-SIMBIOMAS 2016). 26-27 October 2016. Putrajaya, Malaysia. Pp. 61.</li> <li>11. Fatin Zahidah Abdul Aziz, Syaizwan Zahmir Zulkifli, <b>Ferdaus Mohamat-Yusuff</b>, Ahmad Ismail, Koji Inoue. (2016). Histological studies in Javanese Medaka (<i>Oryzias javanicus</i>)</li> </ol>

exposed to different concentrations of zinc pyrithione (ZnPT). Fundamental Science Congress 2016 (FSC2016). 09-10 August 2016. UPM Serdang, Malaysia. Pp. 151.

12. Nur Ashikin Mohd Zaini, Munirah Hanapiah, Syaizwan Zahmir Zulkifli, **Ferdaus Mohamat-Yusuff**, Ahmad Ismail. (2016). Geoprofiling of selected trace metals (Pb, Zn and Cu) input into marine environment of Port Klang, Malaysia. Fundamental Science Congress 2016 (FSC2016). 09-10 August 2016. UPM Serdang, Malaysia. Pp. 150.
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<b>H. PROJEK PENYELIDIKAN TERDAHULU</b> (Past Research Project)					
Project No.	Project Title	Role	Year	Source of fund	Status
TD-FRGS/2/2013/UPM/02/1/1 5524476	Optimizing mass culture system and ecotoxicological studies of Javanese medaka ( <i>Oryzias javanicus</i> ) as a model organism	Project leader	2013-2016	MOHE	Completed
Knowledge Transfer Program (KTP) I-ECO/21 (UPM-14-2)	Projek ternakan kerang <i>Anadara granosa</i> dengan kaedah yang mampu memaksimumkan saiz kerang sebagai salah satu produk perniagaan Koperasi Kampung Sungai Latoh Masai Berhad.	Project leader	2014-2016	MOHE	Completed
GP(IPS) 9474000	Chemical and Physical Factors that Promotes or Restrict Growth of Blood Cockle, <i>Anadara granosa</i> in proposed cultivation area	Project leader	2015-2017	UPM	On-going
GP(IPS) 9459100	Environmental Pollution Assessment in Established (Sungai Ayam Batu Pahat Johor) and Proposed Cultivation Area (KongKong Laut, Masai, Johor) for Evaluation of the Potential	Project leader	2016	UPM	Completed

	<b>Bioaccumulation Ability in Cockles.</b>				
03-02-12-2017RU	Determination of Accumulation, Sources and Bioavailability of Heavy Metals in Oil Palm Plantation Soil Using BCR Sequential Extraction Method	Project Leader	2012	UPM	Completed
LRGS/6375401	Estimation of Carbon Footprint from Palm Oil-based Bio-fuel Production in Malaysia	Project Leader	2012	MOHE	Completed
03-05-11-1549RU	Assessment of Antifouling Biocides along the Southern Coast of Peninsular Malaysia	Project Leader	2011	RUGS	Completed
TD-FRGS/2/2013/UPM/02/1/15524475	Establishment of Javanese Medaka ( <i>Oryzias javanicus</i> , Bleeker, 1854) as a novel model organism for ecotoxicology, developmental neurotoxicology and neuropharmacology research.	Member	2013-2016	MOHE	Completed
KPT.P.(S)400-7/2/29-4(65) and UPM/700-3/1/JSPS	Integrated Forensic Investigation of Marine Pollution Impacts in Ecologically Sensitive Areas	Researcher	2013	FRGS	Completed
FRGS/5524555	Characterization of non-pathogenic marine microbes as potential bioremediation agents of antifouling biocides	Researcher	2014-2017	MOHE	Ongoing
FRGS/5524703	Repercussion of 2014 megaflood on natural food web in Kelantan Delta: In view of stable isotope analysis	Researcher	2014	MOHE	Completed
FRGS 2015-1	Removal of Endocrine Disrupting	Researcher	2015-2017	MOHE	Ongoing

	<b>Compounds (EDCs) from Aqueous Solution using Marine Carbonate Residues to be Applied in Water Supply Treatment Facilities</b>				
<b>FRGS 2015-1</b>	<b>Remedial strategies and carbon capture potential of mining waste: Passive sequestration of atmospheric carbon from bauxite residue (red mud) deposits</b>	<b>Researcher</b>	<b>2015-2017</b>	<b>MOHE</b>	<b>Ongoing</b>