

## CURRICULUM VITAE



A. PERSONAL DETAILS	
Name	Ayuni Nabilah Alias
Nationality	Malaysian
Title	Dr.
Designation	Senior Lecturer
Field	Occupational Safety and Health (OSH), Ergonomics and Prototype Design and Development.
Organization (Current)	Universiti Putra Malaysia (UPM)
Email	ayuninabilah@upm.edu.my

B. ACADEMIC QUALIFICATIONS			
Certificate/ Qualification obtained	Name of school / Institution	Year obtained	Area of specialization
Doctor of Philosophy (PhD)	Universiti Putra Malaysia (UPM)	2021	Occupational Safety and Health (OSH) & Ergonomics (Product Development and Evaluation)
Master Science (MSc.)	Universiti Putra Malaysia (UPM)	2016	Occupational Safety and Health (OSH) & Ergonomics (Product Development and Evaluation)
Bachelor Science (BSc.)	Universiti Putra Malaysia (UPM)	2013	Environmental and Occupational Health

C. EMPLOYMENT				
Employer	Designation	Department/Job Scope	Start year	Start Ended
University of Cyberjaya	Senior Lecturer	Faculty of Safety and Health -Academic teaching for diploma, degree and master programs for	2020	2023

		safety, and health related subjects. - Supervision for degree, master and PhD's students. - University committee for research, laboratory, zakat and credit transfer.		
Utusan Teguh Sdn Bhd	Safety Officer	- Responsible for safety and health matter, facility and building management (audit, fire certificate, fire management and prevention, PMA related matter)	2019	2019
Naturemax Sdn Bhd	Safety and Health Executive	- Responsible for safety, health and environmental consultancy for related industry (Ergonomics, CHRA, Heat stress, IAQ and BBS)	2017	2019
CIESH Sdn Bhd	Safety and Health Consultant	-Involved with training and preparing module for SHO and SSS course. -Facilitator for GE Program in IPTA (UPNM) -Trainer for Hygiene and Ergonomics Training	2016	2016

D. LIST OF PUBLICATIONS	
Journals	<ul style="list-style-type: none"> <li>• <b>Ayuni Nabilah Alias &amp; Karmegam Karuppiah (2022).</b> Effects Of Armrest Prototype on Comfort Among Motorcyclists During Prolonged Riding Process. International Journal of Health Sciences, 6 (S7), 47103-47120.</li> <li>• <b>Ayuni Nabilah Alias &amp; Karmegam Karuppiah (2022).</b> Effectiveness Of Armrest Prototype on Muscle Activity Among Male Motorcyclists. International Journal of Health Sciences, 6 (S7), 47089-47102.</li> <li>• <b>Ayuni Nabilah Alias, Norwahida Yaakub, Mohd Rafee Baharuddin &amp; Mohd Azhar Mohd Noor (2022).</b> Port Terminal Safety: A Conceptual</li> </ul>

	<p>Paper on Factors that Affects Occupational Stress Risk Assessment in Container Terminal. <i>International Journal of Health Sciences</i>, 6 (S7), 47078- 47088.</p> <ul style="list-style-type: none"> <li>• <b>Ayuni Nabilah Alias</b>, Karmegam Karuppiah, Vivien How, Velu Perumal (2021). The Evaluation of Vibrating Insole Prototype on Female School Teachers' Comfort. <i>Nat. Volatiles &amp; Essent. Oils</i>, NVEO 8(4):4107-4127.</li> <li>• <b>Ayuni Nabilah Alias</b>, Karmegam Karuppiah, Vivien How, Velu Perumal (2021). Feet Plantar Pressure Distribution among Female School Teachers. <i>Nat. Volatiles &amp; Essent. Oils</i>, NVEO 8(4):4080-4087.</li> <li>• <b>Ayuni Nabilah Alias</b>, Karmegam Karuppiah, Vivien How, Velu Perumal (2020). The Perception on School Footwear Comfort among Primary School Teachers in Terengganu. <i>International Journal of Pharmaceutical Research</i>, 12(3).</li> <li>• <b>Ayuni Nabilah Alias</b>, Karmegam Karuppiah, Vivien How, Velu Perumal (2020). Does Prolonged Standing at Work among Teachers Associated with Musculoskeletal Disorders (MSDs). <i>Malaysia Journal of Medicine and Health Sciences</i>, 16(2):281-289.</li> <li>• <b>Ayuni Nabilah Alias</b>, Karmegam Karuppiah, Vivien How, Velu Perumal (2020). Prevalence of Musculoskeletal Disorders (MSDs) among primary school female school teachers in Terengganu, Malaysia. <i>International Journal of Industrial Ergonomics</i>, 77:102957.</li> <li>• Sivasankar Sambasivam, Adriana Abdul Aziz, Karmegam Karuppiah, Emilia Zainal Abidin, Shamsul Bahri Md Tamrin, Hassan Sadeghi Naeini, Kulanthayan K.C. Mani, Puvanasvaran Perumal, <b>Ayuni Nabilah Alias</b> (2020). Prevalence of safety equipment and helmet use among school students commuting to school in South Selangor, Malaysia. <i>Songklanakarin Journal of Science and Technology</i>, 42(3):721-724.</li> <li>• <b>Ayuni Nabilah Alias</b>, Karmegam Karuppiah, Vivien How, Velu Perumal (2020). A Systematic Review for Musculoskeletal Disorders (MSDs) among School Teachers in Malaysia. <i>Research Journal of Recent Sciences</i>, 9(1):1-8.</li> <li>• <b>Alias A.N.</b>, Karuppiah K., How V., Perumal V., Sambasivan S., Tamrin SBM (2019). Are teachers standing too much? <i>Ergonomic Int J.</i>, 3(5):000216.</li> </ul>
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	<ul style="list-style-type: none"> <li>● <b>Ayuni Nabilah Alias</b>, Karmegam Karuppiah, Shamsul Bahri Mohd Tamrin, Emilia Zainal Abidin, Umi Kalsom Mohd Shafie and Sivasankar Sambasivam (2016). Risk factors of muscular discomfort among motorcyclists – Review article. <i>Iran J Public Health</i>, pp. 45(1): 35-43.</li> <li>● <b>Ayuni Nabilah Alias</b>, Karmegam Karuppiah, Shamsul Bahri Mohd Tamrin, Emilia Zainal Abidin and Umi Kalsom Mohd Shafie (2015). A systematic review of intervention to reduce musculoskeletal disorders: Hand and arm disorders. <i>Jurnal Teknologi (Sciences and Engineering)</i>, 77 (27), pp. 97-103.</li> <li>● Umi Kalsom Mohd Shafie, Karmegam Karuppiah, Shamsul Bahri Mohd Tamrin, Emilia Zainal Abidin and <b>Ayuni Nabilah Alias</b> (2015). The effectiveness of new model of motorcycle seat with built-in lumbar support. <i>Jurnal Teknologi (Sciences and Engineering)</i>, 77 (27), pp. 97-103.</li> <li>● Umi K.M.S., Karmegam K., Shamsul B.M.T., Irniza R. and <b>Ayuni N.A.</b> (2014). Interventions to reduce musculoskeletal disorders among motor vehicle workers. A review. <i>Advances in Environmental Biology</i>, 8(5), pp. 219-224.</li> <li>● <b>Ayuni N.A.</b>, Juliana J. and Ibrahim M.H. (2014). Exposure to PM<sub>10</sub> and NO<sub>2</sub> and association with respiratory health among primary school children living near petrochemical industry area at Kertih, Terengganu. <i>Journal Medical and Bioengineering</i>, 3(4), pp. 282-287.</li> </ul>
Thesis	<ul style="list-style-type: none"> <li>● <b>Doctor of Philosophy (PhD)</b> Quantitative Assessment of Vibrating Insole Prototype that Induced Transient Comfort among Female School Teachers.</li> <li>● <b>Master Science (MSc)</b> Effect Of Prototype Armrest on Comfort and Muscle Activity Among Selected Male University Motorcyclists During Prolonged Riding Process.</li> <li>● <b>Bachelor Science (BSc)</b> Exposure to PM<sub>10</sub> and NO<sub>2</sub> and association with respiratory health among primary school children living near petrochemical industry area at Kertih, Terengganu.</li> </ul>

<b>E. AWARDS</b>				
<b>Name of awards</b>	<b>Title</b>	<b>Award Authority</b>	<b>Award Type</b>	<b>Year</b>
Academic award	Silver award in BioInnovation Awards (Title: Built-In Lumbar Support for Motorcycle Seat)	Malaysian Biotechnology Corp	National	2014

<b>F. COMPETENCY, ORGANIZATION AND SPECIALISATION</b>				
<b>Organization</b>	<b>Position</b>	<b>Start Date</b>	<b>End date</b>	<b>Expertise</b>
Department of Occupational Safety and Health (DOSH)	Ergonomic Trained Person (ETP)	2021	Present	Ergonomics
Human Factors and Ergonomics Society Malaysia (HFEM)	Member/Committee	2020	Present	Ergonomics, Product development and evaluation
Malaysian Industrial Hygiene Association (MIHA)	Associate member	2022	Present	Industrial Hygiene

<b>G. LEADERSHIP AND CONTRIBUTION</b>		
<b>Invited talk/Panelist</b>	<b>Title</b>	<b>Year</b>
Academic Advisor (University of Cyberjaya, Universiti Putra Malaysia)	Advise academic matters for diploma and bachelor students.	UOC (2020-current)
	Advise research matter and demonstrate ergonomics' instruments (EMG) for final year project's students and postgraduate students.	UPM (2021-current)
Guest Speaker	Forum: "How to survive and thrive in graduate life and career pathway?" In conjunction with "Mental Health and Physical Awareness Campaign 2021" Faculty Medicine and Health Sciences, Universiti Putra Malaysia (UPM).	2021
<b>Committee</b>	<b>Responsibility</b>	<b>Year</b>
Research (University of Cyberjaya)	Generate ideas for the Research and Development activities in the University of Cyberjaya and make sure	2020-2023

	all lecturers receive information regarding publication and grant application for research and collaboration. Contribute to paper publications (Scopus) every year	
Laboratory (University of Cyberjaya)	Involve with audit to make sure SOP and calibration has been done and complied for each equipment in the lab. Arrange the usage of equipment for industrial ergonomics practical session.	2020-2023
Credit Transfer (University of Cyberjaya)	Review and go through the application from students for credit exemption. The review starts from reviewing the course syllabus from previous college/university and present to sub-senate meeting for application approval.	2020-2023
Zakat (University of Cyberjaya)	Involve with preparation of activities organised by Zakat committee and has successfully held the “Program Bicara Secara Online: Hidup Mandiri Mendepani Pandemik Global” during MCO 2021, Food Bank (2020-2021), distribution food pack for students in hostel (2020-2021).	2020-2023
<b>Grant</b>	<b>Title</b>	<b>Year</b>
Geran MyICE 2022 Jabatan Pendaftaran Pertubuhan Malaysia, Negeri Selangor	“Product Safety and Labelling Program and Seminar for Consumer Products” Human Factors and Ergonomics Society Malaysia (HFEM)	2022

<b>H. EXPERIENCE AND TRAINING</b>	
<b>Consultancy</b>	<ul style="list-style-type: none"> <li>• Ergonomics Risk Assessment – Client – Rubbercare Protection Product Sdn. Bhd. Project Duration - 2021</li> <li>• Chemical Health Risk Assessment – Client – <i>Teeraz Niaga Sdn. Bhd., Putrajaya</i>. Project Duration – 2020</li> <li>• Chemical Health Risk Assessment – Client – <i>Doite (Malaysia) Sdn. Bhd.</i> Project Duration - 2020</li> <li>• Heat Stress Monitoring – Heat Stress Assessment, Client – <i>Alliance Steel (M) Sdn. Bhd.</i> Project Duration: 2020</li> <li>• Chemical Health Risk Assessment – Client – <i>Makhostia Sdn. Bhd.</i> Project Duration - 2019</li> <li>• Behavioral Based Safety program for Construction Workers, Client – <i>Samsung C&amp;T Kuala Lumpur</i>; Project Duration: 2017-2019</li> </ul>

	<ul style="list-style-type: none"> <li>• Graduate Employability Program; Safety and Health Officer Course – <i>Universiti Pertahanan Nasional Malaysia (UPNM)</i>- Project Duration: 2017</li> <li>• Committee for Fire Evacuation Drill at Faculty of Medicine and Health Sciences, UPM – 2011</li> </ul>
<b>Conference</b>	<ul style="list-style-type: none"> <li>• Presenter for ErgoLympics Product Design and Development for Human Factors and Ergonomics Malaysia Conference (HFEMC), Langkawi – 2023</li> <li>• Protocol Committee for 2023 Human Factors and Ergonomics Malaysia Conference (HFEMC), Langkawi – 2022-2023</li> <li>• Guest Speaker for Forum: “How to survive and thrive in graduate life and career pathway?” In conjunction with “Mental Health and Physical Awareness Campaign 2021” Faculty Medicine and Health Sciences, Universiti Putra Malaysia (UPM) – 2021</li> <li>• Presenter for 2021 Human Factors and Ergonomics Malaysia Conference (HFEMC) – 2021</li> <li>• Presenter for 2019 International Conference on Occupational Safety and Environmental Health (ICOSHE), Management and Science University (MSU) - 2019</li> <li>• Presenter for 3<sup>rd</sup> International Conference on Ergonomics &amp; 1<sup>st</sup> International Conference of Industrial Engineering (ICE &amp; ICIE), Kuala Lumpur – 2015</li> <li>• Presenter for International Conference of Environmental and Occupational Health (ICEOH), Putrajaya -2014</li> <li>• Presenter for 3<sup>rd</sup> International Conference on Environmental and BioScience (ICEBS), Phuket, Thailand – 2013</li> </ul>
<b>Training and Seminar</b>	<ul style="list-style-type: none"> <li>• Participant for Anecdotes from the Working Experience of an HF Practitioner, HFEM – 2022</li> <li>• Participant for Nurturing Human Factors and Ergonomics in Design Ideas, HFEM – 2022</li> <li>• Participant for Crane Operation: Trained and Competent Personnel, NIOSH – 2022</li> <li>• Participant for Systematic Occupational Health Enhancement Level Programme (SOHELP), HFEM - 2021</li> <li>• Participant for Neuro-Linguistic Program (NLP) for researchers Seminar - 2018</li> <li>• Participant for Ergonomics for Safety and Health Practitioners, HFEM – 2018</li> <li>• Participant for Introduction to Ergonomics, HFEM – 2017</li> </ul>

	<ul style="list-style-type: none"> <li>• Participant for Hazard Identification, Risk Assessment, and Control (HIRARC), UPM – 2014</li> <li>• Participant for Heat Stress Awareness in Industrial Hygiene Practices, UPM – 2014</li> <li>• Participant for Hand Arm Vibration (HAV) and Whole-Body Vibration (WBV), Awareness in Industrial Hygiene Practices, UPM – 2014</li> <li>• Participant for Arrangement for the Establishment of an Occupational Safety, Health and Environmental Management System Training, UPM – 2014</li> <li>• Participant for The Importance of Management System Guideline ISO 19011-2011 Internal Audit Training, UPM – 2014</li> <li>• Participant for Quality Management System ISO9001-2008 Awareness, UPM – 2014</li> <li>• Participant for Environmental Management System ISO4001-2004 Awareness, UPM – 2014</li> <li>• Participant for First Aid Training, UPM – 2011</li> <li>• Planning Committee for Fire Evacuation Drill, Faculty Medicine and Health Sciences, UPM - 2011</li> </ul>
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<b>I. TEACHING ACTIVITIES</b>	
<b>Course</b>	<b>Institution</b>
Ergonomics and Consumer Product Safety	Faculty of Human Ecology, Universiti Putra Malaysia
Ergonomics Management (MSc)	Faculty of Safety and Health, University of Cyberjaya
Industrial Ergonomics	Faculty of Safety and Health, University of Cyberjaya
Emergency Preparedness and Response	Faculty of Safety and Health, University of Cyberjaya
Occupational Safety	Faculty of Safety and Health, University of Cyberjaya
Emergency Response Plan	Faculty of Safety and Health, University of Cyberjaya
Introduction to Ergonomics	Faculty of Safety and Health, University of Cyberjaya
Introduction to Occupational Safety	Faculty of Safety and Health, University of Cyberjaya
OSH Information and Data System Management	Faculty of Safety and Health, University of Cyberjaya