

MyONE HEALTH Newsletter

Bi-annual newsletter by MyOHUN emphasizing the connection between human, animals, and ecosystem health

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Cover Photo: A student intently focusing on the folding steps to make an origami of a dog during a rabies community education campaign.



For more information, please contact
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This newsletter is also available at
www.myohun.com

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MyOHUN Strategic Planning Meeting



Forty-three MyOHUN members convened at the Swiss Garden Hotel, Melaka, from 14th to 16th January 2022 to kickstart Year 3 of the One Health Workforce – Next Generation project. The meeting began with Prof. Dr. Abdul Rahman welcoming all participants, followed by a presentation by Prof. Dr. Latiffah Hassan on global and regional project updates for country-level activities in the project's remaining years. After a two-year hiatus due to COVID-19, this gathering reconnected members across institutions and fields, enabling efficient planning and execution of beneficial One Health activities. The meeting concluded on Day 2 with an interactive session and discussion of planned activities for 2023.



One Health Field Epidemiology Training Program



Year 3 of the MyOHUN One Health Field Epidemiology Training Program (OH-FETP) was organized at Bangi Resort Hotel, Selangor, from 9th to 12th May 2022. OH-FETP aims to equip field epidemiologists with One Health competencies for effective response to health threats, specifically in infectious diseases. This year, it returned to an in-person format, where young professionals from diverse health sectors, ministries, universities, and agencies underwent didactic and interactive sessions guided by experienced facilitators and experts in FETP.

Led by Assoc. Prof. Dr. Yap Wei Boon from UKM, a dedicated team orchestrated the event, engaging forty professionals in discussions, group activities, presentations, mini tabletop simulation and a PPE demonstration by experienced nurses, Madam. Norrida Samsudin and Madam. Noor Hasani Hasan, who were frontliners during the early phases of the COVID-19 pandemic. This program successfully trained more local One Health field epidemiologists essential to strengthen the preparedness of the current workforce.

Tabletop Simulation Exercise for Postgraduate Students



From 15th to 19th May 2022, forty diverse One Health postgraduate students from UKM, UPM, UM, UPM, UMK, UiTM, UMS, and USM attended a Tabletop Simulation Exercise at Felda Residence Hot Springs, Sungkai, Perak. The activity was led by Assoc. Prof. Dr. Rozita Hod and brought together experts from government agencies and universities to facilitate the training. To complement didactic lecture sessions, a field visit to a nearby indigenous village, near Pos Jernang provided experiential learning experience to the participants.



The participants were able to conduct malaria case detection and larva survey, with assistance from Batang Padang District Health Office. The training was proven to be a success among postgraduate students, and hoped for further training programs to be conducted in the future.



In-situ One Health Problem-Based Learning on Animal, Wildlife, and Ecosystem Health



The In-Situ One Health Problem-Based Learning (PBL) program on Animal, Wildlife, and Ecosystem Health is another flagship activity offering distinctive and engaging experiential learning. The program was held between 15th until 18th June 2022 in Kuala Tahan National Park and Kampung Bantal, Pahang. Forty-three undergraduate students from multidisciplinary One Health fields participated, alongside eleven academicians acting as facilitators and led by Assoc. Prof. Dr. Hasliza Abu Hassim.

Participants were able to observe and experience the life of rural villagers in Kampung Bantal and Post Kuching, thereby stimulating their minds to identify risks related to zoonotic diseases in the area. Despite diverse backgrounds, students showcased critical thinking, teamwork, and problem-solving skills to identify, solve, and propose communication plans related to assigned cases for health promotion. The program combines field-based learning, real-world engagement, and hands-on experience for a valuable educational journey that enriches the future workforce.

Empowering Women and Leadership in One Health



MyOHUN organized a workshop on Empowering Women and Leadership in One Health with the support of The Department of Orang Asli Development (JAKOA). The four-day workshop, from 23rd to 26th July 2022, welcomed 30 students from various One Health fields from UKM, UPM, USM, and USIM. Project Leader Prof. Dato' Dr. Abdul Rashid Khan stated that the program intends to highlight the significance of gender equality and gender awareness in One Health through discussions, talks, and field visits. Participants were joined by Prof Dr Ndola Prata, an expert in gender from the School of Public Health, University of California, Berkeley, who delivered an interactive talk session on gender empowerment and equality in One Health.

During the field visit, students had the opportunity to visit two Orang Asli villages, Kampung Orang Asli Abu and Kampung Orang Asli Susu, nestled in Cameron Highlands, where they interacted with the villagers and gained valuable insights into their lifestyle and culture. Such training provides a platform for further conversations on gender and One Health, as the topic is still new within the local context.



Avian Influenza Field Simulation Exercise



The National Avian Influenza Field Simulation Exercise took place in Sibuan, Sarawak, from 26th to 28th July 2022. Organized by the Ministry of Health, in collaboration with MyOHUN and the Department of Veterinary Services Sarawak, it united participants nationwide to strategically organize the outbreak simulation exercise. Over 200 officials, health practitioners, and academics undertook the avian influenza outbreak simulation involving three longhouses in the Sibuan district.

Post-simulation, a tabletop exercise at Sibuan's Kingwood Hall was orchestrated to better understand the responsibilities and communication within cross-sectoral agencies during public health emergencies. The program concluded with a debriefing, where constructive feedback addressed strengths and gaps were presented. The "Module Simulation Exercise for Management of Highly Pathogenic Avian Influenza" was launched during the closing ceremony and is now available online, ensuring accessibility. This activity, led by Dr. Norita Samsuddin from the Ministry of Health, aims to foster inter-agency collaboration owing to the endless benefits of strengthening the public health response in the country.



One Health Leadership Training for Mid-Level Executives



The very first edition of One Health Leadership Training for Mid-Level Executives was conducted at the Hatten Hotel in Melaka from 3rd till 7th August 2022. Seventeen participants from the Department of Veterinary Services (DVS), the National Public Health Laboratory Malaysia, and public universities across Malaysia attended the program.



The training comprised comprehensive lecture sessions and group activities to nurture leadership skills by incorporating some of the current pressing leadership issues faced by health professionals in Malaysia. This training session was made possible with the involvement of members from the Global Consortium team from UC Davis, Dr. MacDonald Farnham, and Prof. Dr. Michael Wilkes. We look forward to further sessions in the future, potentially engaging with more mid and high-level executives from the One Health Workforce.



One Health Young Leaders and Communicators Program



Between 15th and 18th August 2022, thirty-four undergraduates from UniSZA, UPM, USM, UMK, UNIMAS, UMT, and MSU convened at Penang's Raia Hotel for the immersive four-day One Health Young Leaders and Communicators training program. The atmosphere was electric as students showcased strong leadership and communication skills through interactive lectures, group activities, games, and role-playing activities.

Facilitated by a group of mentors led by Dr. Mohd Faizal Ghazali from UniSZA, students fostered lasting connections and learned the power of collaboration. We are happy to produce another batch of trained participants and will continue to support and expand the group of beneficiaries for the One Health Young Leaders and Communicators activity!



Dissecting One Health Core and Technical Competencies



The Dissecting One Health Core and Technical Competencies activity took place at Penang's Ixora Hotel from 16th to 19th August 2022. The training united forty-two participants, including NADMA, PERHILITAN, DVS, the Ministry of Health, and university representatives, sharing strategies for zoonotic disease prevention through a One Health approach.



Despite a virtual attendance due to unforeseen circumstances, Dr. Hume Field from EcoHealth Alliance managed to contribute insights on zoonotic outbreak management with the participants. Across the intensive 3-day program, participants actively discussed and exchanged ideas, questions and insights, equipping attendees to confront disease outbreaks effectively. MyOHUN and the Project Leader, Dr. Jamaliah Sekawi, anticipate a lasting, positive impact; creating a resilient, prepared One Health workforce ready to address future outbreaks in Malaysia and beyond.



Training of the Trainers: National Public Awareness on One Health Antimicrobial Resistance (AMR)

The Training of the Trainers: National Public Awareness Program on One Health Antimicrobial Resistance (AMR) led by Dr. Suraya Amir Hussin from the Ministry of Health was held on 23rd August 2022 at St Giles Boulevard Hotel. Fifty-three attendees from the Department of Veterinary Services, private companies, agencies, and teachers from various school participated.



The program combined presentations, discussions, and workshops, imparting insights into antimicrobial resistance and its wide-ranging impact. With its goal of enhancing AMR awareness and understanding, attendees left with renewed dedication to addressing AMR and mitigating its effects in their organizations or schools to continue the influence of change in the community.

Malaysian Youth One Health Challenge (MYOHC)



The Malaysian Youth One Health Challenge (MYOHC) is an online competition that commenced on the 17th June 2022, led by Dr. Sharifah Khadijah from Universiti Putra Malaysia. This program aimed to introduce the application of One Health for students and teachers from Vocational Schools, Communities Colleges, and Polytechnic Institutions across the country. In addition, virtual training sessions introducing One Health and examples of innovations in One Health were held to inspire the students to produce their own prototypes in this competition.

As the competition ended on 2nd September 2022, the victor of this competition was announced, motivating aspiring innovators nationwide. Throughout the MYOHC, an astounding 80 awe-inspiring prototypes emerged from the collective ideas of these ambitious students, each a testament to their unwavering commitment to fusing the tenets of One Health into their groundbreaking ideas.

Scan here to learn more:



Safety Awareness Training on the Importance of Melioidosis among Natural Disaster Volunteers in Malaysia



On 21st September 2022, Assoc. Prof. Ts. Dr. Mohd Rafee Baharudin led a Safety Awareness Training on Melioidosis for Natural Disaster Volunteers. The program aimed to raise volunteers' awareness of infectious disease transmission. With ninety-four participants from NGOs and government sectors, the training covered Melioidosis epidemiology and positive case management.

Informative lectures encompassed environmental control, Personal Protective Equipment, the 1988 Communicable Diseases Control Act, and the 1994 Occupational Safety and Health Act,

were given to safeguard volunteers and communities from infectious diseases.

Practical sessions guided participants in applying knowledge; selecting PPE, environmental control, and disinfection. These hands-on experiences enriched their skills for effective disease control. Overall, the Safety Awareness Training empowered disaster volunteers with knowledge and tools to minimize infectious disease risks in their rescue and relief endeavors.

BOOSTER FUND

In-situ Problem-Based Learning and Book Writing Retreat

Assistant Professor Dr. Intan Azura Shahdan
International Islamic University Malaysia (IIUM)



Lecturers from IIUM's Biomedical Sciences Department, Kulliyah of Allied Health Sciences, organized an In-Situ Problem-Based Learning and Writing Retreat to enhance student learning beyond the traditional methods. The program had three phases, with the first one comprising introductory lectures on One Health on environmental microbiology, eukaryotic microorganisms & parasites, and host-microbe relationships.

A field trip – the second phase - called "Kembara Silaturahmi Jelajah Alam 2.0" took place in Kampung Baru Pulau Keladi, involving a community education program for village children on health awareness and hygiene, where students practiced what they have learned in the first phase.

The final phase was a site visit to Gebeng, Pahang, where the lecturers observed One Health issues related to their curriculum and created seven tailored PBL cases suitable for students learning. The book is in its final development, and we hope the book can soon be utilized in related curricula.



BOOSTER FUND

In-Situ Problem-based Learning: Sungai Lembing, Kuantan, Pahang

Associate Professor Ts. Dr. Mohd Hafiz Arzmi
International Islamic University Malaysia (IIUM)



The In-Situ Problem-Based Learning: Sungai Lembing served as a testament to the power of experiential learning. Sixty-two dentistry students from IIUM were immersed and engaged in learning, exploration, and community engagement in Sg. Lembing from 23rd to 24th July 2022, in the active pursuit and spread of knowledge on One Health.



The program encompassed PBL sessions at the riverbed and a hiking activity up Bukit Panorama at sunrise to interact with locals, visitors, and hikers, raising zoonotic disease awareness. Armed with knowledge, students conversed with locals and shared insights on zoonotic diseases, distributing informative leaflets about Monkeypox. We hope the students learn the importance of spreading awareness to protect the community.

BOOSTER FUND

Community-based Learning: Rabies Prevention Campaign Among School Children

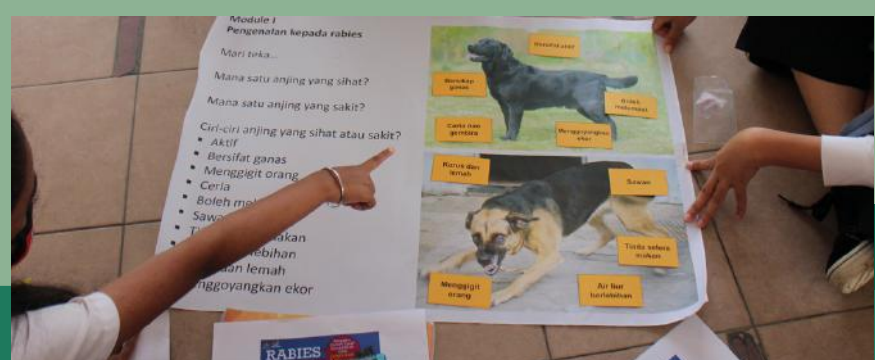
Dr. Intan Nurfatihah Shafie
Universiti Putra Malaysia (UPM)



The Community-based Learning: Rabies Prevention Campaign took place on 30th August 2022 at Sekolah Kebangsaan Sri Serdang, Selangor. It involved two hundred and ten standard four students, fifteen teachers, thirty facilitators, and two academic staff from the Faculty of Veterinary Medicine, UPM.

This campaign targeted school children who are deemed vulnerable to rabies due to their interaction with dogs, increasing the risk of being bitten.

Facilitators, who were trained veterinary students, shared knowledge in minimizing rabies risk with the community through engaging games and activities. Rabies prevention measures were communicated through crafted, posters and pamphlets, explained and distributed to the students.



BOOSTER FUND

PRO-KASIH

Associate Professor Dr. Chen Hui Cheng
Universiti Putra Malaysia (UPM)



The VETERNAK and Zoological Clubs, under the Faculty of Veterinary Medicine UPM, organized PRO-KASIH, an annual stray animal castration project. This year's project aimed to increase awareness of stray animal welfare and responsible pet ownership.

On 27th July 2022, a batch of veterinary students from the Faculty of Veterinary Medicine UPM underwent media communication training to equip them with the effective use of media for campaign awareness, emphasizing on planning and implementation of the campaign's subject.

A community outreach event then took place on 1st September 2022, involving one hundred and forty-two students and eleven teachers from SK Desa Tasik, Selangor.

Topics on stray animal welfare were communicated effectively through interactive talks, Q&A sessions, and impactful audio-visual presentations. Overall, the well-organized PRO-KASIH project and its activities successfully raised awareness and achieved animal welfare goals.



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One Health Zoonosis Field Trip

Associate Professor Dr. Nurul Azmawati Mohamed
Universiti Sains Islam Malaysia (USIM)



The One Health Zoonosis Field Trip at Kuala Tahan National Park and Kampung Sungai Tiang, Jerantut, Pahang, was held from 13th to 16th June 2022. With a pre-trip homework on waterborne, soil, pet, and wildlife-related health issues, the trip aimed to deepen medical students' understanding of zoonotic disease risk factors while they were in nature.

The program allowed students to engage with the indigenous community in Kampung Sungai Tiang through a "nail and hair spa" for kids, health check-ups, and a movie session. One of the participants, a Bachelor of Medicine and Surgery student,



It was fun and exciting, yet it brings us closer to the environment and opens our view that it makes us realize that we should preserve the environment in order to preserve a promising future.

Abu Bakar, Bachelor of Medicine and Surgery student

BOOSTER FUND

Zoonoses and Antimicrobial Resistance Awareness among Wildlife Workers and Farmers

Associate Professor Dr. Sandie Choong Siew Shean
Universiti Malaysia Kelantan (UMK)



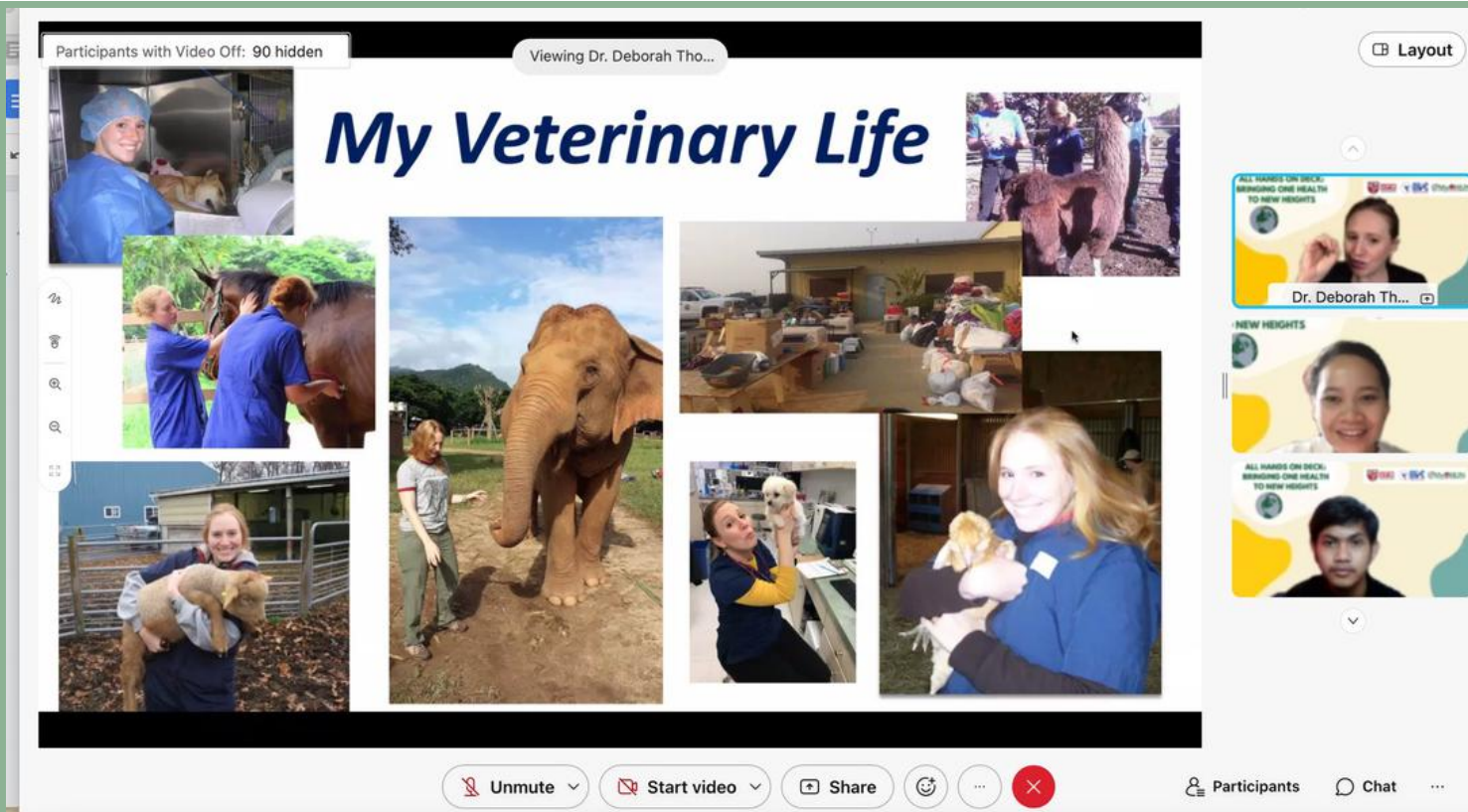
Misusing antimicrobials in human, veterinary, and food sectors threatens their vital role in treating infections in farming. The Zoonoses and Antimicrobial Resistance Awareness among Wildlife Workers and Farmers addressing this issue and was held on 24th March 2022, at the National Wildlife Rescue Centre & Wildlife Conservation Centre, Perak and on 11th June 2022, in Kampung Wakaf Aik, Kelantan.

The program targeted wildlife workers and livestock farmers who are vulnerable to zoonotic diseases and

antimicrobial resistance. Around seventy participants completed a KAP survey to measure their knowledge before and after engaging in the program's lectures and activities. Ninety percent of participants found the new knowledge on zoonoses and AMR very useful. Further training is recommended, especially for wildlife workers, to enhance animal healthcare practices concerning zoonoses and AMR.

UPM ONE HEALTH STUDENT CLUB

Spreading the One Health Ethos



UPM One Health Student Club has gathered four internationally acclaimed speakers across different fields and expertise – Dr. Serina Rahman, Founder and Principal Advisor of Kelab Alami, Dr. Gary A. Flory, International Advisor on Agricultural Issues, Dr. Deborah Thomas, Founder and President of One Health Lessons and Ms. Suwaibatul Annisa, Chair of One Health IVSA – to inculcate awareness and nourish interest among undergraduates in “All Hands-on Deck: Bringing One Health to New Heights”, held on 29th January 2022. The webinar was hosted to address health, wealth, economic, and social disparities within the One Health universe. The club plans to continue engaging broader audiences, fostering One Health appreciation and advocacy in the university.

ONE HEALTH WEBINAR
ALL HANDS ON DECK:
BRINGING ONE HEALTH TO
NEW HEIGHTS

Dr. Serina Rahman
Founder and Principal Advisor, Kelab Alami Tanjung Kupang
Climate Change, Citizen Science & Environmental Education

Dr. Gary A. Flory
International Advisor on Agricultural Issues
G. A. Flory Consulting
Responding to Animal Disease Outbreaks with a One Health Approach

Dr. Deborah Thomson
Founder & President One Health Lessons
One Health Lessons

Ms. Suwaibatul Annisa
Chair, Standing Committee of One Health IVSA
Global One Health Workforce

Faculty Merits will be provided to UPM students

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Saturday, January 29 2022 | 10.00 AM- 1.00 PM (GMT+8) MALAYSIA TIME

Climate change, One Health Concept, Global One Health Workforce

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Zero Malaria Starts with Me: An Outreach to the Orang Asli Community Program



'Zero Malaria Starts with Me': Outreach to Orang Asli, is a program that aims to expose students to Malaria disease in the life, environment, and culture of Orang Asli. This program was held from 28th to 29th May 2022 in Kampung Orang Asli, Kuala Lipis. Organized by the Department of Community Health, Faculty of Medicine, UKM, with support from the Kuala Lipis Pahang District Health Office and Pahang State Health Department, the program exposed students to a broader perspective of the biopsychosocial management approach to a disease such as Malaria.

Through the fieldwork on Blood Film for Malaria Parasite (BFMP) and malaria prevention activities, the healthcare provider takes a sample of Orang Asli blood and sends it to a lab.

From the blood test result, Orang Asli would have the opportunity to get the proper treatment and take preventive medications. Principally, this program has helped students learn to improve their knowledge, practices, and soft skills.



UPM ONE HEALTH STUDENT CLUB

South of The Border: A Rendezvous with The Environmental Citizens



OHSC UPM collaborated with Kelab Alami and organized a trip to Tanjung Kupang, Johor, from 9th to 12th June 2022. During the trip, more than twenty students had the opportunity to observe and document the wildlife that inhabits the mangrove habitat, including various species of birds, crustaceans, and fish. Their observations were recorded, and the data collected will be used for research to map the mangrove habitat and identify potential areas for conservation and restoration. This program is just one of UPM and Kelab Alami's many efforts in promoting conservation and sustainable development in Malaysia.

“
It's the synergy, teamwork, and boundless enthusiasm expressed by both facilitators and participants that make the program worthwhile.

Sajidah Khadijah
Veterinary student, UPM



UMK ONE HEALTH STUDENT CLUB

One Health Emerging Zoonoses Threats



One Health Emerging Zoonoses Threats program was held on 18th June 2022 and involved one hundred undergraduate students from Universiti Malaysia Kelantan (UMK). The program kicked off with an ice-breaking session for students to create a comfortable learning atmosphere before diving into One Health & Zoonoses Talk, which provided insights that connect human, animal, and environmental health.

An educational banner competition was held to spark creativity in students to convey One Health competencies and importance. Participants were also engaged in Explorace: Learning through Play, where they faced a series of challenges where One Health-related topics were asked and answered.

This program has fostered collaboration, teamwork and creativity while addressing emerging threats like zoonotic diseases, antibiotic resistance, and environmental issues.



USM ONE HEALTH STUDENT CLUB

One Health Awareness on Leptospirosis among Community Members in Mukim Kok Keli, Kelantan



USM One Health Student Club conducted a One Health Awareness program on Leptospirosis in Mukim Kok Keli, Tumpat, Kelantan, from 23rd to 25th July 2022. The aim was to enhance students' community engagement skills, assess infectious disease knowledge, and awareness about Leptospirosis prevention.

Sharing sessions with local medical officers on scenarios of Leptospirosis patients allows students and the local community to have a better understanding of community life and risky actions leading to Leptospirosis. Activities such as health screening, health booths and community services help to educate the Mukim Kok Keli community about Leptospirosis, hygiene and health in general.





Sandia National Laboratories Program

1

The One Health Biorisk Management Workshop took place at JW Marriott Kuala Lumpur, an educational workshop organized by Sandia National Laboratories in collaboration with MyOHUN. The workshop spanned from the 4th to the 8th February 2022, attracting a diverse group of thirty-five academicians and government officers eager to expand their knowledge in the field.

The Biorisk Curriculum Development Workshop, conducted in collaboration with Sandia National Laboratories, was held at The Westin Resort in Langkawi. This workshop, which took place from the 20th to the 24th May, provided a valuable platform for educational advancement. Thirteen academicians dedicated their time to attending this workshop, eager to enhance their knowledge and skills in developing a biorisk curriculum.

2

3

The International Federation of Biosafety Association (IFBA) Training was conducted at The Westin, Kuala Lumpur, serving as a significant learning, development, and certification opportunity. From the 28th to the 31st March 2022, a dedicated group of twenty-six academicians and government officers participated in this informative workshop.

The Applied Laboratory Risk Assessment Workshop, took place in the vibrant city of Kota Kinabalu, Sabah. From the 28th June to the 2nd July, 2022, this workshop served as a comprehensive platform for learning and practical application. A total of forty-eight academicians and government officers actively participated in this workshop, showcasing their commitment to furthering their expertise in laboratory risk assessment.

4



5

Continuing from the previous workshop in Langkawi, the Sandia Biorisk Management for University Curriculum Development Workshop was held at the Golden Sands Hotel in Penang. From the 2nd to the 25th August, this workshop aimed to foster the development of biorisk management curricula specifically tailored for universities. A total of eleven academicians from various universities actively participated in this workshop, demonstrating their dedication to enhance the educational framework in the field of biorisk management.




The Sandia Infectious Substances Shipping Course took place at the DoubleTree by Hilton Hotel in Putrajaya. Held from the 5th to the 6th July 2022, this course attracted a diverse group of 28 participants from various institutions. The course focused on providing comprehensive training on the safe shipping and handling infectious substances. The participants eagerly engaged in the course, recognizing the importance of adhering to stringent protocols to ensure public health and safety.

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