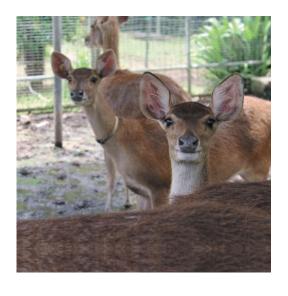
MyONE HEALTH Newsletter

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

2017 ISSUE 8



TOWARDS A HEALTHY, FRUITFUL AND SUCCESSFUL 2018





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

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New Year Welcoming Message from MyOHUN's Chairman

A very Happy New Year 2018 to everyone. I would like to wish the entire Malaysian One Health University Network (MyOHUN) members the very best as we begin the New Year 2018. The start of a new year is a novel point to look forward to implement our strategic plan and Year-4 activities.

2018 marks the beginning of our Year-4 on the One Health Workforce (OHW) project with the continual improvement of our previous year activities and new activities in meeting our vision, mission, goals, strategic objectives and key performance indicator (KPI). I encourage all of us to evaluate constantly on our contributions and actions to our Network, and the significant impact of these actions will have on members, partners, donors and mostly for the human, animals and environment at large.

I strongly believe that a greater success and impact will be achieved in 2018 and in the near future. With our strong understanding and sharing of our strategic objectives and action plan

and a sound MyOHUN team, I am very confident that we can successfully achieve and deliver our 2018 activities. I am convinced that I can count on your support and co-operation. Our sincere thanks and appreciations for your endless dedication, hard work and teamwork.



Indeed, it has been a great privilege for me to work with the dedicated staff of MyOHUN and all of our network members and partners. I look forward to continue serving the Network in my capacity as Chairman of MyOHUN.

Thank you for making MyOHUN such a thriving network and fraternity. May the New Year bring us new aspirations, joys and successes - a very Happy New Year 2018.

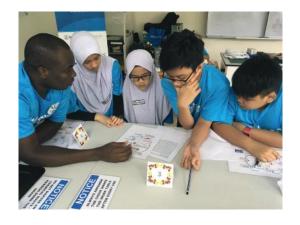
Prof. Dr. Mohd Hair Bejo Chairman Malaysia One Health University Network (MyOHUN)

MyOHUN Educate Students in School

School Zoonotic Diseases Awareness Program

Universiti Putra Malaysia Bintulu Campus was selected as a host to organize a two days program from 10th to 11th July 2017 to assess and create awareness on zoonotic diseases among school students. The program called "School Zoonotic Diseases Awareness Program" is a project managed by Dr. Mohd Mokrish Md. Ajat from the Faculty of Veterinary Medicine UPM Serdang campus and Dr. Juriah Kamaludeen from the Faculty of Agriculture and Food Sciences UPM Bintulu campus.

This project is a collaborative effort with other researchers from Universiti Malaya, Universiti Kebangsaan Malaysia (UKM) and University of Surrey, United Kingdom. Forty standard 5 students from SK (A) Majlis Islam Sarawak, one of the "Sekolah Angkat" for UPM Bintulu were selected to be part of this program.





The program introduced students to different activities to create awareness to pathogens, zoonotic diseases and diseases transmission. Twenty volunteers were trained to conduct activities. With the alarming increase of zoonotic diseases in Malaysia such as leptospirosis and rabies, this program is essential to educate children on the importance of prevention from the disease. The students were actively involved throughout the program, and had fun doing the activities along with the facilitators and volunteers.



Table Top Exercise on Zoonotic Disease:

Application on the One Health Approach



In preparing our workforce to face possible disease outbreak in Malaysia, the Table Top Exercise on Zoonotic Disease: Application on the One Health Approach was held from 17th to 18th July 2017 in Kolej Tun Syed Nasir 1, Universiti Kebangsaan Malaysia. More than 66 participants attended the workshop from Universiti Kebangsaan Malaysia (UKM), Universiti Putra Malaysia (UPM), Universiti Sains Malaysia (USM) and Universiti Malaysia Sarawak (UNIMAS).

Several talks were delivered by speakers namely Dato' Dr. Azmie Zakaria, Prof. Dr. Mohd Rizal Abd Manaf, Prof. Dato' Dr. Abdul Rashid Khan, and Dr. Thilaka a/p Chinayyah. Guided by the objective of the program to expose students to One Health simulation exercise, the students were divided into various stakeholders role working at Health Clinic, State Health Department, Hospital, and Department of Veterinary Services. Each group worked on a scenario of an outbreak based on FILA (Fact, Idea, Learning Issue, Action) table to help organize their thoughts and work on the problem.

On 19th July 2017, participants visited Nurfarm Agro, Hulu Langat to learn about safety measures required when dealing with livestock and investigation during a disease outbreak.

Owing to the success of the activity, the Project Leader, Assoc. Prof. Dr. Rozita Hod wrapped the program up and briefed on the project continuation scheduled in August 2017.



One Health Young Leaders and Communicators Energizing the future leader



The bright and energetic future leaders and young communicators camped in Nilai Spring Resort Hotel in Nilai, Negeri Sembilan from 17th to 20th July 2017 for One Health Young Leaders and Communicators program. Forty-six participants attended the program from Cyberjaya University College of Medical Science (CUCMS), Islamic International University Malaysia (IIUM), Universiti Kebangsaan Malaysia (UKM), Universiti Malaya (UM), Universiti Putra Malaysia (UPM), Universiti Sains Islam Malaysia (USIM), Universiti Teknologi MARA (UiTM), Universiti Tunku Abdul Rahman (UTAR), and Universiti Sains Malaysia (USM).

The program started as early as 6am with morning exercises before the participants dived into lectures and activities conducted by One Health speakers and trainers namely Prof. Dr. Stanley Gordon Fenwick from Tufts University, United States, Prof. Emeritus Dato' Sheikh Omar A. Rahman, Prof. Dr. Latiffah Hassan from UPM and Dr. Zainuddin Abd Wahab from the Ministry of Health. A great body makes a great mind, hence, the participants' team building sessions such as abseiling, flying fox, wall climbing, amazing race, high-rope, obstacle challenges and also "mine-field" were ran late afternoon daily. All participants enjoyed the session as they got to sweat out and have fun.

On the last day of the program, each group presented their topic on disease transmission and prevention. The presentations were judged by Prof. Dr. Mohd Hair Bejo, Prof. Dr. Latiffah Hassan, Prof. Dr. Mokhtar Arshad and also Prof. Dr. Stanley Fenwick. All groups presented well and group 8 was awarded as the winner of the presentation. The program ended with closing and prize giving ceremony by Prof. Dr. Mohd Hair Bejo. Young leaders left the resort fully inspired to face a new dav.



Antimicrobial Resistance Workshop II

The second Antimicrobial Resistance Workshop was held from 31st July to 1st August 2017 in Universiti Putra Malaysia (UPM) to refine the chapters drafted for the integrated surveillance for AMR manual drafted earlier in March 2017. Sixty-five participants from the Department of Fisheries Malaysia, Department of Veterinary Services, Institute of Medical Research, Ministry of Health, National Public Health Laboratory, Veterinary Research Institute, Veterinary Public Health Laboratory, Universities, Laboratories and Hospitals participated in this workshop.

The program started with an Introduction to the program and presentations from each group on the progress of the Integrated Surveillance Manual chapters. After their presentations, participants worked in their respective groups to discuss and refine their chapters to meet the goals of the workshop to establish a Malaysian Antimicrobial Resistance Surveillance System (MARSS).



Dr. Amanda Beaudoin from the University of Minnesota, United States, delivered several talks on AMR related topics of monitoring, analyzing and also reporting of AMR data. The workshop ends with groups having more refined chapters for the AMR Surveillance Manual that will be published in 2018.



One Health Core Competency - Centric Teaching



One Health Core Competency-centric Teaching was held from 2nd to 6th August 2017 in The Straits Hotel & Suites, Melaka. Forty-two lecturers from various disciplines such as veterinary medicine, environmental health, public health, microbiology, biotechnology, medicine and other related One Health fields participated in the program. Prof. Dr. Janetrix Hellen Amuguni from Tufts University and Prof. Dr. Gregory C. Sales from the University of Minnesota, United States facilitated the sessions.

The four-day program consisted of several lectures and activities aimed at implementing the One Health approach in teaching existing courses. This implementation helps with continual development and improved academic offerings for both the future and current workforce. Activity such as Mapping One Health Core Competencies helped participants to implement One Health approach to existing taught courses.

The participants also engaged in role-playing activity to attract active participation from students in learning One Health. The majority of the participants found the workshop to be productive and useful and felt that they have attained new ideas, knowledge and skills to include One Health concept into their courses.



Regional Training of Trainers on One Health Problem Based Book

Regional Training of Trainers on One Health Problem Based Book was held from 9th to 12th August 2017 in Kota Kinabalu, Sabah, Malaysia. A total of 25 participants from four countries -Malaysia, Thailand, Vietnam and Indonesia representing universities and government agencies within Southeast Asia One Health University Network (SEAOHUN) region, attended the training.

This four days training involved several talks by experts namely Prof. Dr. Janetrix Hellen Amuguni from Tufts University, United States, Prof. Dr. Siti Suri Arshad, and Assoc. Prof. Dr. Jalila Abu both from UPM. This training aimed to introduce facilitators to Problem-Based Learning case writing and to conduct Problem-Based Learning cases while integrating the One Health concept in the Problem-Based Learning sessions.



The training gathered participants from countries under SEAOHUN, therefore participants have an interesting regional mix that sit down and shared various perspectives of teaching and learning in One Health.



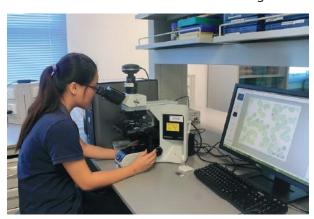
Management of Zoonotic Disease: Application on the One Health Approach



Management of Zoonotic Diseases: Application on the One Health Approach workshop was held from 21st to 22nd August 2017 in Hilton Kuching, Sarawak with 54 participants from Universiti Putra Malaysia (UPM), Universiti Kebangsaan Malaysia (UKM), Universiti Malaya (UM), Universiti Malaysia Kelantan (UMK), Universiti Sains Malaysia (USM) and Universiti Malaysia Sarawak (UNIMAS). This workshop was the continuation of Table Top Exercise workshop held earlier in July 2017.

Dato' Dr. Azmie Zakaria, Prof. Dr. Mohd Rizal Abd Manaf, Dr. Zulhizam Hj. Abdullah, and Prof. Dr. Saleha Abdul Aziz delivered talks on One Health and facilitated students to work through a field simulation exercise on avian influenza.

On 22nd August 2017, participants visited the Center for Malaria Research in UNIMAS to learn more about the merging cases of malaria in Malaysia and were briefed by the Director of the research centre, Prof. Dr. Balbir Singh, who is also a renowned scientist for malaria in the region.





One Health Field Epidemiology Training

Field Epidemiology training is necessary to ensure quick and appropriate detection, response and control of infectious diseases. A One Health Field Epidemiology Training combining officers and academicians from various disciplines such as public health, veterinary medicine, forestry, wildlife, various laboratories and other One Health related fields, was held from 21st to 24th August 2017 in Pullman Kuching, Sarawak. Sixty participants attended the program. This 4-day training aimed at training One Health workforce to respond competently to the infectious disease outbreaks using One Health competencies.

Two workshops were held as preparations before the actual training. The Centre of Disease Control Field Epidemiology Training Program Standard Core Curriculum, One Health Core and Technical Competencies, WHO Rapid Risk Assessment of Public Health Event, and the MyOHUN One Health Outbreak Manual were used as references.



Project leader, Assoc. Prof. Dr. Razitasham aimed to produce a training module on field epidemiology using the One Health approach, and to have an inventory on trainers both from universities and government agencies with the hope that our One Health workforce is ready at handling the tasks when such time is needed.



Field Simulation on Handling Disease Outbreak



Disease outbreaks occur at unexpected time and place. To ensure preparedness in the face of an outbreak, a Field Simulation on Handling Disease Outbreak was held in Palm Beach Resort, Wilayah Persekutuan Labuan on the 5th and 6th September 2017. The aim of the program was to improve skills among the current One Health Workforce in managing emerging diseases and to produce a preparedness plan based on the One Health concept. The long term aim for this activity is to develop the manual/procedure for handling disease outbreak in Labuan.

Sixty-four participants including specialists from Ministry of Health, Labuan State Council, Division Veterinary Services, Malaysian Quarantine and Inspection Services (MAQIS), National Security Council (MKN), Universiti Malaysia Sarawak (UNIMAS) and other participants from related bodies such as clinics and hospitals actively took part in this simulation exercise.

Four scenarios of Outbreak Simulations for Rabies were created. Participants were divided into four groups of District Clinic, Veterinary Office, Crisis Preparedness Respond Center and Emergency Department of Hospital Labuan and were given the task to assess the situations. This is the first time a simulation exercise was carried out by the ministerial officers in Labuan.



In-situ One Health Problem Based Learning



The IN-SITU One Health Problem-Based Learning was held in the Centre of Livestock Farming in Lenggong, Perak between 15th - 17th September 2017 and 22nd - 24th September 2017. The participating 147 students came from multiple backgrounds, each contributing to the unique aspect of One health - Biomedical Science, Medicine, Forestry, Environmental Health and Veterinary Medicine.

Two PBL cases of rabies and tuberculosis were designed to integrate the knowledge of One Health and participants were introduced to the cases which came in 5 different triggers, and they were required to discuss the triggers and fill up a

FILA (Fact, Idea, Learning Issue, Action) table to investigate and work the problem.

As an added bonus, ultrasound demonstrations to test pregnancy in deer were done by the staff of the centre. A few students managed to get hands-on experience to diagnose pregnancy in deer. Although the program was only for two days, the experiences gained during those days were priceless. Positive feedbacks were received from participants, facilitators, and the staff in the centre and thus the program will continue in Year 4 of the One Health Workforce Project.





Malaysia One Health University Network (MyOHUN) Annual Meeting 2017

The MyOHUN Annual Meeting 2017 was held in Shangri-La Golden Sands, Penang from 26th to 27th September 2017. Prof. Dr. Mohd Hair Bejo, Chairman of MyOHUN welcomed all participants and thank everyone for their contribution in Year 3. The meeting continued with the presentations from Project Leaders as well as Lead Researchers who had completed their activities and researches under MyOHUN. The presentation highlighted some of the achievements and challenges while conducting the program, also lessons learned to increase the impact of the activity.

MyOHUN Activities 2017

One Health Antimicrobial Resistance Surveillance

One Health Problem-Based Learning Development

Training on the Prevention of Wildlife Zoonoses and Tropical Ecosystem Health

Table Top Simulation Exercise and Management of Zoonotic Diseases

One Health Young Leaders and Communicators

One Health Core Competence-centric Teaching

Regional TOT: One Health Problem-Based Book

One Health Field Epidemiology Training

Field Simulation on Handling Disease Outbreak

IN-SITU One Health Problem-Based Learning

The meeting then continued with group work and pre-planning discussions on Year 4 activities. The pre-planning agenda for each activity were presented where emphasis was placed on the added value and improvements from activities that continued from previous years



Malaysia One Health University Network (MyOHUN) Annual Meeting 2017

MyOHUN Funded Research

Risk Factors for Leptospirosis among Urban Service Workers in Sabah

Human, Swine, and Fruit Bats Antibodies Against Pteropine Orthoreovirus

Zoonotic Disease from Ticks and the Associated Animal Hosts in Malaysia

Application of E-Learning on Prevention of Pets Origin Zoonotic Diseases among One Health Future leaders in Selangor

Seroprevalence of Pteropine Orthoreovirus and Awareness of Bat Transmitted Zoonotic Diseases in Tioman Island

Japanese Encephalitis in Sarawak: Human-Animal Interphase Study

Instilling Good Knowledge, Better Attitudes and Practices on Dog Associated Zoonotic Diseases Among a Jahai Community

Leptospirosis: Screening and Awareness Study Among Dog Handlers in Malaysia

Development of Tailor-Made Emergency Response Plan Procedure

Assessing the Roles of Blackflies in the Transmission of Zoonotic Filarial Parasites

Assessment of Zoonotic Diseases Awareness Among School Students in Bintulu, Sarawak

Malaysia Teen's One Health

Understanding the Perception and Knowledge on Antimicrobial Usage and Antimicrobial Resistance

Health Education and promotion on the Importance of Good Hygiene Practices

Knowledge, Attitude, and Practices towards Leptospirosis among University Students

For more details please visit www.myohun.com



MyOHUN Upcoming Activities

January 2018

One Health Disaster Frontliners Module Development

February 2018

Community Education and Field Training on Disease Transmission Among the Indigenous People (Orang Asli) in Peninsular Malaysia (Phase 1)

March 2018

Workshop on Training of Trainers Problem Based Learning One Health

Pilot Problem Based Learning with Medical, Health Sciences and Veterinary Undergraduate Students (Session 1)

Pilot Problem Based Learning with Medical, Health Sciences and Veterinary Undergraduate Students (Session 2)

April 2018

Multi-Agency One Health Collaborative and Engagement Workshop 1

AMR and Antibiotics Awareness Creative Contents Training and Development Workshop One Health Field Epidemiology Training

Community Education and Field Training on Disease Transmission Among the Indigenous People (Orang Asli) in Peninsular Malaysia (Phase 2)

May 2018

Training on Prevention of Wildlife Zoonoses and Tropical Ecosystem Health

Field Outbreak Teaching Simulation

June 2018

One Health Workforce Assessment and Planning Phase 4 and Workshop on National One Health Workforce Validation and Country Roadmap

Community Education and Field Training on Disease Transmission Among the Indigenous People (Orang Asli) in Peninsular Malaysia (Phase 3)

MyOHUN Upcoming Activities

July 2018

Multi-Agency One Health Collaborative and Engagement Workshop 2

One Health Young Leaders and Communicators

Table Top Outbreak Simulation

August 2018

Training of Trainers on Integrated Surveillance System

Training of Trainers IN-SITU Problem Based Learning

Field Simulation Exercise (Avian Influenza)

September 2018

Development of Table Top and Field Simulation Teaching Module

IN SITU One Health PBL Animal on Ecosystem Health

All Year Round

One Health Student Club Activity Grant

*visit our website & social media for more activities updates







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National Coordinating Office



Prof. Dr. Mohd Hair Bejo Chairman



Prof.
Dr. Latiffah Hassan
Coordinator



Assoc. Prof.
Dr. Siti Khairani Bejo
Deputy Coordinator



Assoc. Prof.
Dr. Zunita Zakaria
Deputy Coordinator



Raja Khairul Adli Raja Kamalzaman Project Manager



Azman KamarudinAdmin Officer



Mohd Shafik Mohammad Anizar Admin Officer II



Muhammad A'fifuddin Hj Md Isa

Finance Officer



Nur Elyana Ab Rahman

Finance Officer II



Mohd Nazrien Zaraini
IT Officer



Norsaiful Bahri Abdul Habib

Publicity & Promotions Officer



MALAYSIA YONE HEALTH UNIVERSITY NETWORK

National Coordinating Office (NCO) Malaysia One Health University Network (MyOHUN) Faculty of Veterinary Medicine Universiti Putra Malaysia 43400 Serdang, Selangor Malaysia

www.myohun.com







@myohun.malaysia @myohun.malaysia @My_OHUN









