





**Cover image by Tan Zher Min**

from Universiti Putra Malaysia  
Winner, World Zoonoses Day  
Poster Competition 2018.



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# New Year Welcoming Message

## from MyOHUN's Chairman

Dear MyOHUN members,

A very Happy New Year 2019, everyone. I would like to wish the entire Malaysian One Health University Network (MyOHUN) members and family the very best as we begin the New Year 2019. This year, recollecting with great pleasure and pride of the proud achievements we performed last year through our diligent and worthwhile efforts, we are all welcome the new year 2019 with fresh hopes and expectations. This year marks the final year for our Emerging Pandemic Threat 2 (EPT 2) programme – One Health Workforce (OHW) project since we started it in 2014 (2014-2015).

In 2018, MyOHUN has outstanding success in organizing 34 main activities, and we have made successful headway in carrying out the five years of the strategic plan and met our five strategic objectives. These activities include One Health disaster frontliners module development with the publication of the module in the final stage of preparation, Problem-based learning book (PBL) and the development of One Health manuals on simulation of rabies and avian influenza. In addition, we also had held simulation of a disease outbreak on rabies with Department of Veterinary Services (DVS) Sabah and simulation of a disease outbreak on avian influenza with Ministry of Health, Training on wildlife zoonoses and tropical ecosystem health, In-situ PBL, One Health student club as well as programmes to community, seminars, and workshops.

It was indeed a joyous recognition for MyOHUN when we were awarded the International Organization for Standardization (ISO) 9001:2015 in recognition of the National Coordinating Office (NCO)'s Quality Management System (QMS) on 30 May 2018. It was great to witness that MyOHUN's activities were organized well and had benefited

in implementing and promoting One Health concept and approach that gives significant impact to the members, community, and society.

We have put in a lot of efforts and opportunities to make significant progress and impact in promoting and implementing One Health concept and approach in teaching and learning, researches and community services. It was by the selfless dedication and hard work from all members of MyOHUN and partners that chalked this huge success.

The year 2019 marks the beginning of our year-5 and the final year on the OHW project. I encourage all of us to evaluate constantly our contributions and actions in MyOHUN, and the significant impact of these actions will have on members, partners, society and mostly for the human, animals, and environment at large national, regional and globally.

Many activities have been planned in 2019. We must all share the same roadmap and objective to achieve our targets, directly face issues that need to be resolved, and take action to overcome them, and I am very sure that by working together and being focused we can successfully achieve and realize our goals. I am convinced that I can count on your support and co-operation.

Thank you for making MyOHUN such a growing network and fraternity.

My best wishes that the New Year 2019 brings us new aspirations, joys, and successes in 2019 and years ahead.



**Prof. Dato' Dr. Mohd Hair Bejo**  
**Chairman**

Malaysia One Health University Network (MyOHUN)

**Dean**  
Faculty of Veterinary Medicine  
Universiti Putra Malaysia



# Development

## of Table Top and Field Simulation Teaching Module

Development of Table Top and Field Simulation Teaching Module was held in The Puteri Pacific Hotel, Johor Bahru from 20th until 24th July 2018, to document all the training information on skills, processes and other necessary information needed for the module. The workshop was conducted for three days and had successfully developed twelve modules comprising Introduction to One Health Field Epidemiology, One Health Concepts and Competencies, Fundamen-

tals of Zoonotic Diseases, Zoonotic Diseases Control and Prevention, Ecosystem and Health, Laboratory Intelligence in Zoonotic Diseases, Surveillance of Zoonotic Diseases, Outbreak Investigation and Management, Risk assessment, Management & Analysis, Risk Communication, and Special issues section. Each module consists of the instructor's guide, teaching materials, teaching notes and references.





# Regional Training of Trainers:

## One Health Problem Based Book 2



From 29th June until 1st July 2018, Regional Training of Trainers (ToT): One Health Problem Based Book 2 was held in Hotel Perdana, Kota Bharu, Kelantan to train facilitators on the use of One Health PBL book 1 and 2 in teaching undergraduate students, as well as to improve the quality of PBL cases from both books based on feedbacks. The activity is built upon past activities on the development of the first One Health Problem-Based Learning book. Dr. Hellen Amuguni from Tufts University, United States was again invited as the trainer for the activity. Twenty-eight academicians from different disciplines and universities such as UniSZA, UPM, UNIMAS, UMK, IUM, and UKM were the attendees.



# One Health Field Training

## for Emerging Zoonoses

One Health Field Training for Emerging Zoonoses was held in Tenera Hotel, Bandar Baru Bangi and Lipiz Plaza Hotel, Kuala Lipis from 2nd until 5th July 2018. Seventy multidisciplinary officers, academicians, and postgraduate students from UKM, UNIMAS, UPM, and UiTM participated in this activity. Experts from Sabah State Health Department and Department of Veterinary Services were actively contributed during the activity as well as experts from Kuala Lipis District Health office. This activity trained participants on outbreak simulation in a classroom setting where

students were divided into groups to take up the relevant role in the various outbreak settings, for example, district hospital, health clinic, DVS office, State Health Office and others. Two outbreak scenarios were discussed during the 2-day workshop in Tenera Hotel, Bangi. This activity was followed by a field visit to Felda Kechau, Kuala Lipis District Health Office. Indoor residue spray and treated bed net as preventive action from malaria were demonstrated along with extracting larvae sample from its natural habitat by the officers.





# Problem Based Learning (PBL) Based Training on Wildlife Zoonoses and Ecosystem Health

The Problem-Based Learning Training on Wildlife Zoonoses and Ecosystem Health inculcates and educates students on zoonotic diseases transmitted from wildlife. The training was held from 9th July until 13th July 2018 in Livingston Hotel, Sandakan, Sabah. Forty participants from UPM, UKM, UniMAS, UMS and Ecole Nationale Veterinaire de Toulouse from medical, veterinary, and environmental background attended the training. Also involved in this training were the workers from Sabah Wildlife Department.

Dr. Chris Whittier and Prof. Dr. Stanley Fenwick from Tufts University, United States are experts invited as a speaker and facilitators for the activity. Training was held in Sepilok Orangutan Rehabilitation Centre (SORC) where students were given the opportunity to engage with PBL cases and discussed in the group, as well as Gomantong Cave and Kinabatangan River to observe the habitat and ecosystem of wildlife animals. Participants also shared their experience in working in a group comprising multiple disciplines and the benefit of One Health approach in dealing with zoonotic diseases.



# One Health

## Young Leaders and Communicators

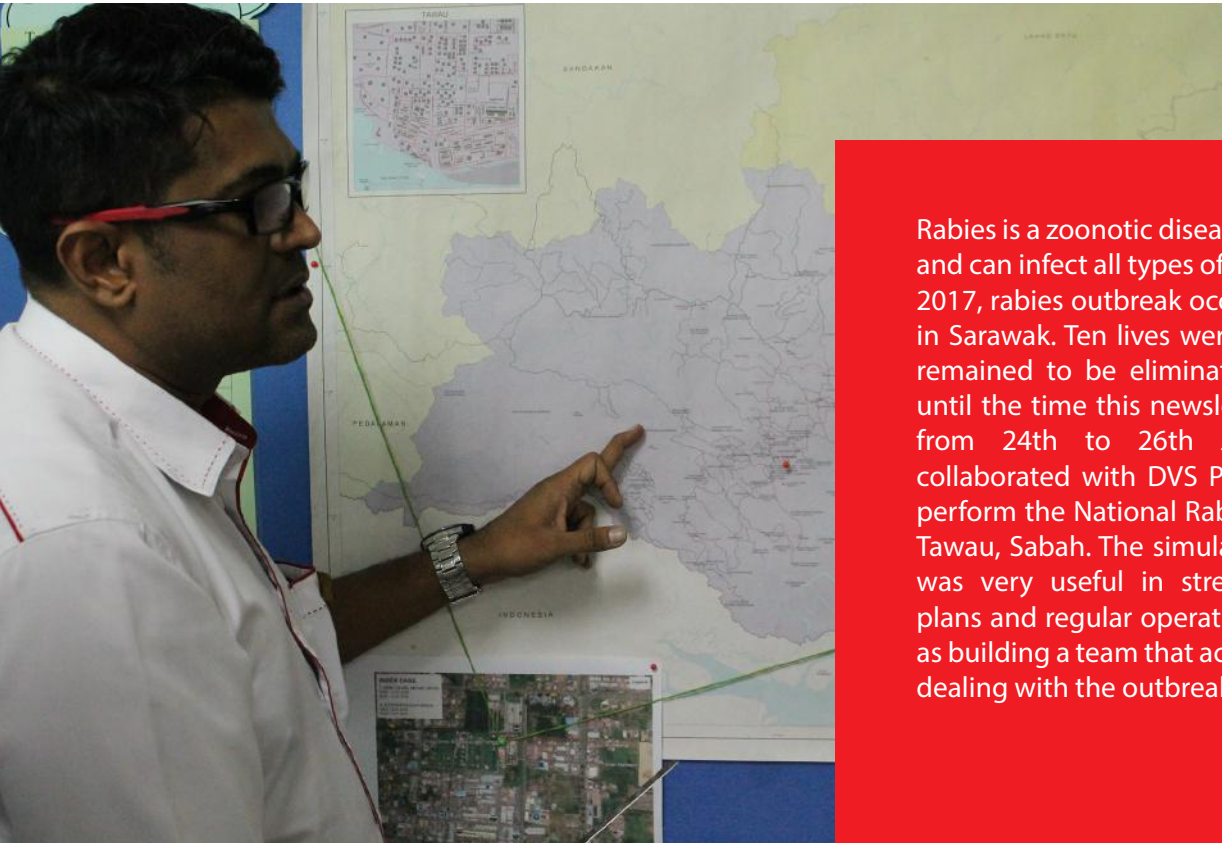
One Health Young Leaders and Communicators gathered 49 students from six local universities and four students from three Cambodian universities to participate in this five-day activity to introduce students to the concept of One Health and to provide knowledge on the core competencies required in the One Health practice. Professor Dr. Stanley Gordon Fenwick from Tuft University, the United States was invited to facilitate the activity. Miss Marilyn Crane from USAID and Mr. Sophea Pech from Cambodia were also present as observers of the

activity. On the last day of the activity, each group required to perform a sketch about the zoonotic disease while infusing One Health-multidisciplinary concept and its benefit in their performance.





# National Rabies Simulation Exercise 2018



Rabies is a zoonotic disease caused by Lyssavirus and can infect all types of mammals. On June 30, 2017, rabies outbreak occurred for the first time in Sarawak. Ten lives were lost, and the disease remained to be eliminated from the state up until the time this newsletter is printed. Hence, from 24th to 26th July 2018, MyOHUN collaborated with DVS Putrajaya and Sabah to perform the National Rabies Simulation 2018 in Tawau, Sabah. The simulation exercise of rabies was very useful in streamlining contingency plans and regular operating procedures, as well as building a team that acts fast and efficiently in dealing with the outbreak.



# National Avian Influenza Simulation Exercise 2018



The Ministry of Health in close partnership with The Department of Veterinary Services and Malaysia One Health University Network (MyOHUN) collaborated to organize the National Avian Influenza Simulation Exercise beginning Tuesday 14th to August 2018. The three-day exercise started with a briefing on the scenario of the simulation exercise and a field visit to Tanjung Tuan Wildlife Reserve.

The focal point of the exercise was the field simulation exercise on 15th August 2018 in which 14 groups were dispatched to seven locations across Negeri Sembilan

namely Tuanku Jaafar Hospital in Seremban, Port Dickson Hospital, Sikamat Health Clinic, Seremban District Health Office, Tuanku Ampuan Durah Secondary School, Port Dickson District Health Office and a Poultry Farm in Port Dickson. More than 120 officers, health practitioners, and academicians were involved in this exercise. The field simulation exercise was very successful, and this was followed by an open forum seminar/discussion about the exercise. MyOHUN looks forward to continue its involvement in this inter-agency collaboration.





# IN-SITU One Health Problem Based Learning

## for Animal and Human Health

The IN-SITU One Health Problem Based Learning for Animal and Human Health was held from 14th to 16th September and from 21st to 23rd September. The program was held at the Deer Breeding Centre, Lenggong and Matang Mangrove Forest, Kuala Sepetang, Perak. A total of 174 students from various backgrounds - Biomedical Science, Medicine, Forestry, Environmental Health, and Veterinary Medicine took part in this program.

Participants were introduced to the concept of One Health during the activity before they were introduced to the PBL cases in five

different triggers and required to discuss the triggers and fill up a FILA (Fact, Idea, Learning Issue, Action) to investigate the problem. Participants also had the opportunity to test for pregnancy in deer with the ultrasound. On the last day of the activity, participants visited the Matang Mangrove Forest in Kuala Sepetang, Perak to observe the ecosystem health in the forest. Although the program was only for two days, the experiences gained by the students during those days were priceless. Positive feedbacks were received from participants, facilitators, and the staffs in the center.



# Workshop on Training the Trainers on One Health Integrated Antimicrobial Resistance (AMR) Surveillance Manual

Workshop on Training the Trainers on One Health Integrated Antimicrobial Resistance (AMR) Surveillance Manual was held on 25th and 26th September 2018 in The Everly Hotel, Putrajaya to improve understanding among laboratory and surveillance personnel on One Health Integrated AMR Surveillance manual. Eighty-nine participants from the Ministry of Health, Department of Veterinary Services, National Public Health Laboratory, Department of Fisheries, Institute of Medical Research, Fisheries Research Institute, State Health Departments, Health Clinics, Hospitals, Laboratories, and MyOHUN participated in this workshop. The main activity was group training where

participants were divided into five groups of Human Health Surveillance, Animal Health Surveillance, Food safety, and Quality Surveillance, Antimicrobial Consumption in Human, and Aquaculture Surveillance to go through the module that had been drafted. The workshop ends with a discussion moderated by Prof. Dr. Latiffah Hassan and involved several experts as panelist such as Prof. Dr. Stanley Fenwick, Dr. Suraya Amir Husin, Dr. Mariani Hashim, Dr. Nor Zahrin Hasran, Dr. Rohaidah Hashim, Pn. Zawiyah Sharif and Dr. Wan Norhana.





# MyOHUN

## Annual Meeting 2018

The MyOHUN Annual Meeting 2018 was held in Swiss-Garden Beach Resort, Kuantan from 6th to 7th October 2018. Prof. Dr. Hair Bejo, MyOHUN Chairman, welcomed all participants and thanked everyone for their contribution in Year 4 in his welcoming speech. The meeting continued with the presentations from Project Leaders, Researchers, and Student Club Advisors who had completed their activities and researches under MyOHUN. The presentations highlighted some of the achievement and challenges while conducting the program, and also the lesson learned to increase the impact of the activity. The meeting then continued with pre-planning discussion and presentation on Year 5 activities.



# MyOHUN Upcoming Activities

## January 2019

MyOHUN Internal Audit

One Health Front-Liners Disaster Module Assessment and Scenario Development.

## February 2019

Table Top Exercise in Handling Disease Outbreak and Field Experiential Learning Phase 1

Tracing OH Core Competencies in Teaching

One Health Field Epidemiology Training

Situational Analysis of AMR and AMU in the Aquaculture Sector

Community Education and Field Training on Identification, Transmission, and Control of Zoonotic Diseases Among Orang Asli Living in the Belum Forest in Perak, Malaysia (Phase1)

## March 2019

Community Education and Field Training on Identification, Transmission, and Control of Zoonotic Diseases Among Orang Asli Living in the Belum Forest in Perak, Malaysia (Phase2 & 3)

OH PBL Book 2 Sessions with Multidisciplinary Students

Training of Trainers on One Health Disaster Front Liner Module

Training of Government Officials and Educators on Biosecurity in Conservation Centre

Table Top Exercise in Handling Disease Outbreak

**\*visit our website & social media for more activities updates**



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# Quality Policy

“National Coordinating Office (NCO) – MyOHUN is committed to achieve excellence in providing its services in One Health activities through a quality management system that is constantly improved upon to satisfy the needs of our customers in accordance with MS ISO 9001:2015”



2019

Happy  
New Year

*from*

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