



ANNUAL REPORT

2016

MALAYSIA ONE HEALTH UNIVERSITY NETWORK
MyOHUN

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Foreword from Chairman

The One Health Workforce (OHW) project Year-2 of 2016 has ended with very fruitful and successful activities organized throughout the year. It is my great pride and pleasure to present you with the Malaysia One Health University Network (MyOHUN)'s 2016 Annual Report. This year we have progressing very well with many new opportunities and success stories.

In 2016, we have successfully organized 48 main activities throughout the year meeting our 5 strategic objectives and outcomes (KPI). These activities include a Problem-Based Learning (PBL) approach to One Health; with the publication of PBL book and the development of One Health manuals on diagnosis of leptospirosis. Besides that, we also had held simulation of disease outbreak on rabies and avian influenza, training on wildlife zoonoses and tropical ecosystem health, In-Situ PBL as well as programs to community, seminars and workshops.

This year also marked the recognition of the MyOHUN National Coordinating Office (NCO)'s Quality Management System as we have been awarded the International Organization for Standardization (ISO) 9001:2008 certification. It highlights the efficiency of our NCO in provision of the coordination and management of MyOHUN's activities.

2016 has witnessed that MyOHUN have made significant progress and impact in promoting and implementing of 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 that chalked this huge success.

I strongly believed that a greater success and impact will be achieved in 2017 and in the near future. Many activities have been planned in 2017. We must all share the same roadmap to achieve our targets, directly face issues that need to be resolved, and take action to overcome them. I am very sure that by working together as a strong team and being focused we can successfully achieve and realise our goals. I am convinced that I can count on network members, partners and dedicated staff for support and co-operation.

I strongly believed 2016 has been a great year and we are very happy with the continuing growth of our network and are looking forward enthusiastically to the year ahead.



**Professor
Dr. Mohd Hair Bejo**

Chairman
Malaysia One Health University Network (MyOHUN)

Dean
Faculty of Veterinary Medicine
Universiti Putra Malaysia

Message from Coordinator

Salam One Health everyone!

We are into our second year in this program and I dare say that we are making a significant progress in making one health concept more visible in our local working and academic sectors. One health concept is also now more familiar among our students' thanks to the hard work and efforts by our active academicians. In the two years, MyOHUN had run a variety of activities which demands strong networking between people from the Universities, Ministries and Communities. These activities have not only made One Health a more familiar term among our academics and health workers but it also made one health a concept that people are more likely to first think of when they think of emerging infec-

tion and complex problem solutions. Hence, it is ideal for our future workforce to learn the concept and the necessary skill sets so that they can truly transform our workforce in the near future. Including one health into our curriculum now will better prepare our future workers to the global health demands making them more relevant to the country needs.

We don't have perfect knowledge and skills so everyone brings something to the table to make fill up the gaps. One health working together spirit requires a lot of energy, time and effort. But for the sake of our nation, I hope we got each other's back.



**Associate Professor
Dr. Latiffah Hassan**

Coordinator

Malaysia One Health University Network (MyOHUN)

INTRODUCTION



About MyOHUN

Malaysia One Health University Network (MyOHUN) was built to promote the philosophy and spirit of One Health in working together to respond to new and emerging diseases. It was initiated in 2012

as part of the Southeast Asia One Health University Network (SEAOHUN). MyOHUN at present comprises of 17 universities and 3 ministries under it wings.

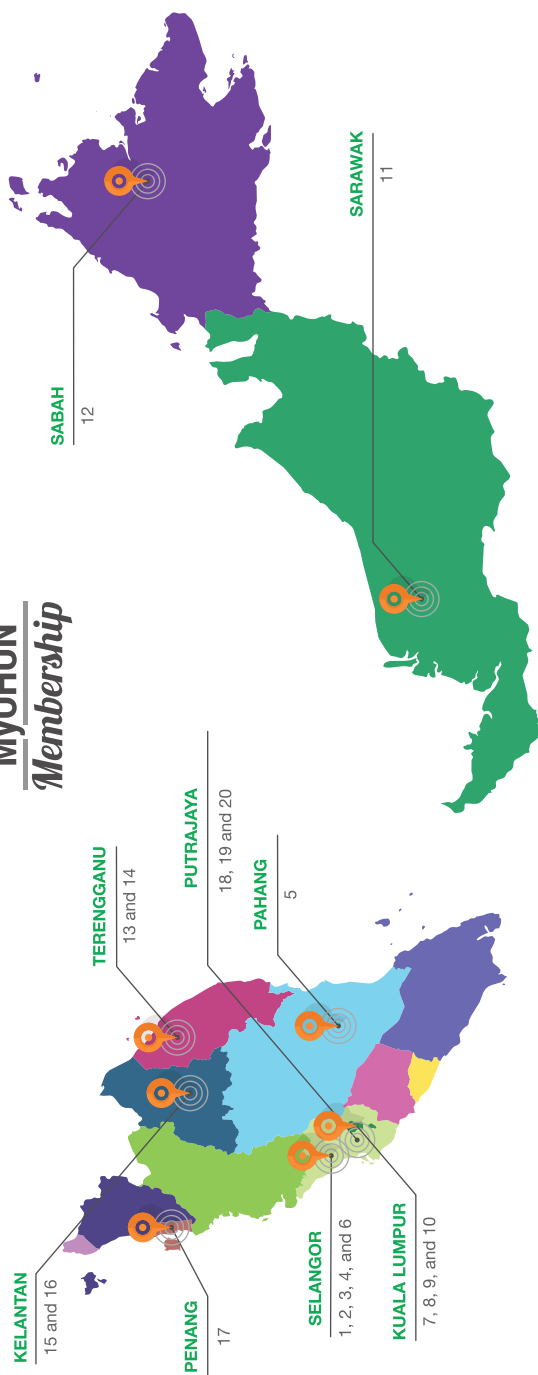
About OHW

OneHealth
WORKFORCE

The One Health Workforce (OHW) project is developing a health workforce that is prepared to detect, respond and prevent to the threat of infectious diseases around the world. The project is part of the United States Agency for International Development (USAID) Emerging Pandemic Threat 2 (EPT2) program, which focuses on cross-sectoral disease surveillance, training, and outbreak response. Teams at

the University of Minnesota and Tufts University provide support for the Southeast Asia One Health University Network which also directly supports MyOHUN. OHW is able to leverage these established university networks to create a sustainable transformation in the country's health workforces.

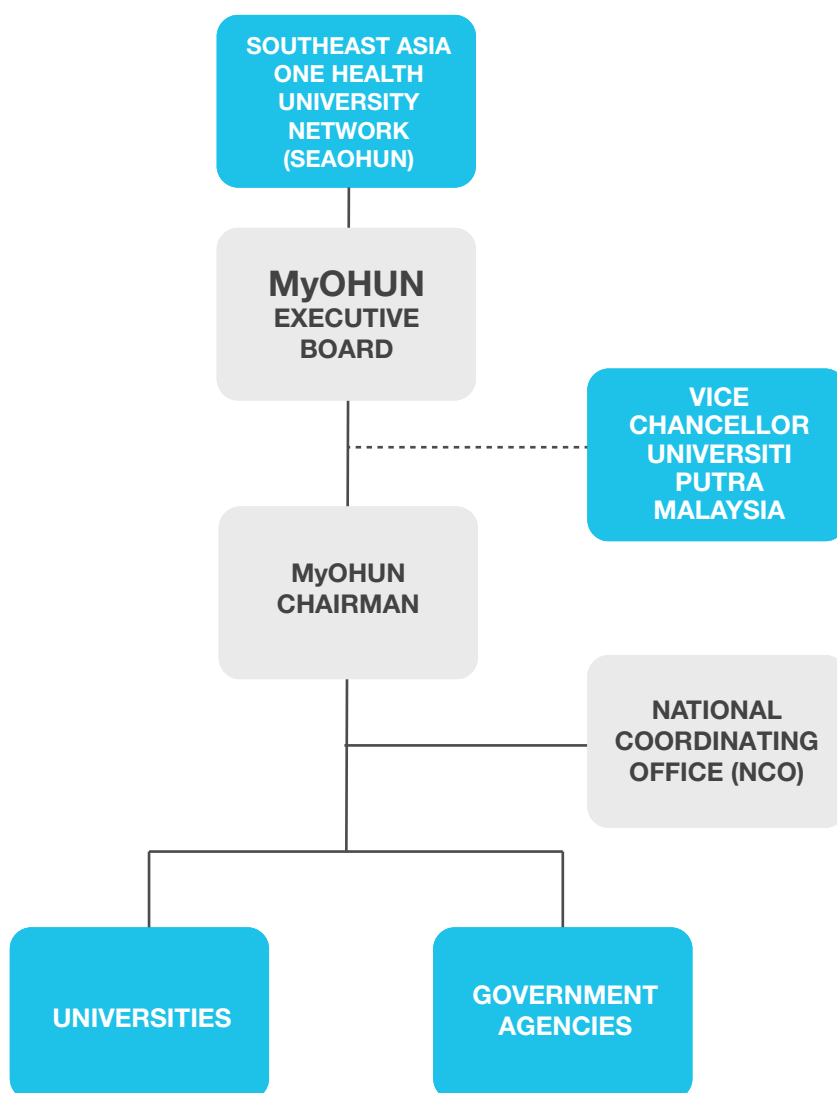
MyOHUN Membership



1	UNIVERSITI PUTRA MALAYSIA • Faculty of Veterinary Medicine • Faculty of Medicine and Health Sciences • Faculty of Environmental Studies	7	UNIVERSITI SAINS ISLAM MALAYSIA • Faculty of Medicine and Health Sciences	13	UNIVERSITI MALAYSIA TERENGGANU • School of Fundamental Sciences	18	MyOHUN AFFILIATED GOVERNMENT MINISTRIES AND ORGANIZATIONS
2	UNIVERSITI KERANGSAH MALAYSIA • Faculty of Health Sciences • Faculty of Social Science and Humanities	8	UNIVERSITI TUNKU ABDUL RAHMAN • Faculty of Medicine & Health Sciences	14	UNIVERSITI SULTAN ZAINAL ABIDIN • Faculty of Medicine and Health Sciences	19	MINISTRY OF HEALTH • Institute of Medical Research • National Public Health Laboratory
3	CYBERJAYA UNIVERSITY COLLEGE OF MEDICAL SCIENCE • Faculty of Medicine	9	UNIVERSITI MALAYA • Faculty of Medicine	15	UNIVERSITI SAINS MALAYSIA • School of Health Science • School of Health Sciences	20	MINISTRY OF AGRICULTURE AND AGRO-BASED INDUSTRY MALAYSIA • Department of Veterinary Services • Veterinary Research Institute
4	UNIVERSITI TEKNOLOGI MARA • Faculty of Medicine	10	INTERNATIONAL MEDICAL UNIVERSITY • School of Medicine	16	UNIVERSITI MALAYSIA KELANTAN • Faculty of Veterinary Medicine		MINISTRY OF NATIONAL RESOURCES AND ENVIRONMENT • Department of Wildlife and National Park
5	INTERNATIONAL ISLAMIC UNIVERSITY MALAYSIA • Faculty of Medicine	11	UNIVERSITI MALAYSIA SARAWAK • Faculty of Medicine and Health Sciences	17	PENANG MEDICAL COLLEGE • Faculty of Medicine		
6	MANAGEMENT SCIENCE UNIVERSITY • Faculty of Health and Life Sciences	12	UNIVERSITI MALAYSIA SABAH • School of Medicine				

MyOHUN

STRUCTURE



MyOHUN EXECUTIVE BOARD MEMBERS 2016

CHAIRMAN

Prof. Dr. Mohd Hair Bejo

Universiti Putra Malaysia

MEMBERS

Prof. Dr. Noor Hassim Ismail

Universiti Kebangsaan Malaysia

Dato' Dr. Kamarudin bin Mat Isa

Department of Veterinary Services

Prof. Dr. Baharudin Omar

Universiti Kebangsaan Malaysia

Dato' Abd Rasid Bin Samsudin

Department of Wildlife and National Parks

Prof. Dr. Sazaly Abu Bakar

Universiti Malaya

Dr. Chong Chee Kheong

Ministry of Health

Prof. Dr. Abd Rahman Omar

Universiti Putra Malaysia

Dr. Nurizan Ahmad

Veterinary Research Institute

Prof. Dr. Mohd Rizal Abd Manaf

Universiti Kebangsaan Malaysia

Dr. Zainudin Abdul Wahab

Ministry of Health

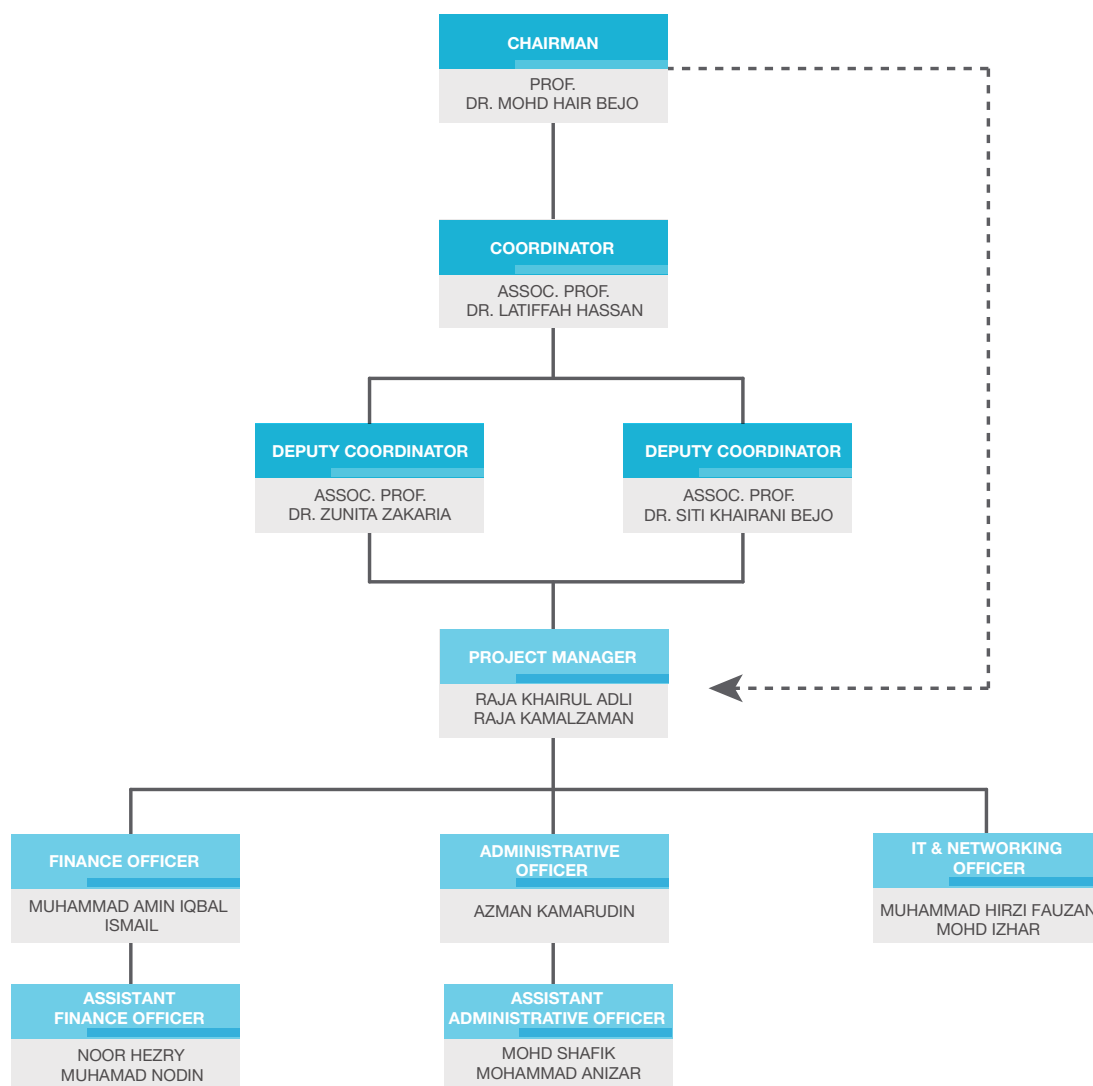
Assoc. Prof. Dr. Bashir Ahmad

Universiti Putra Malaysia

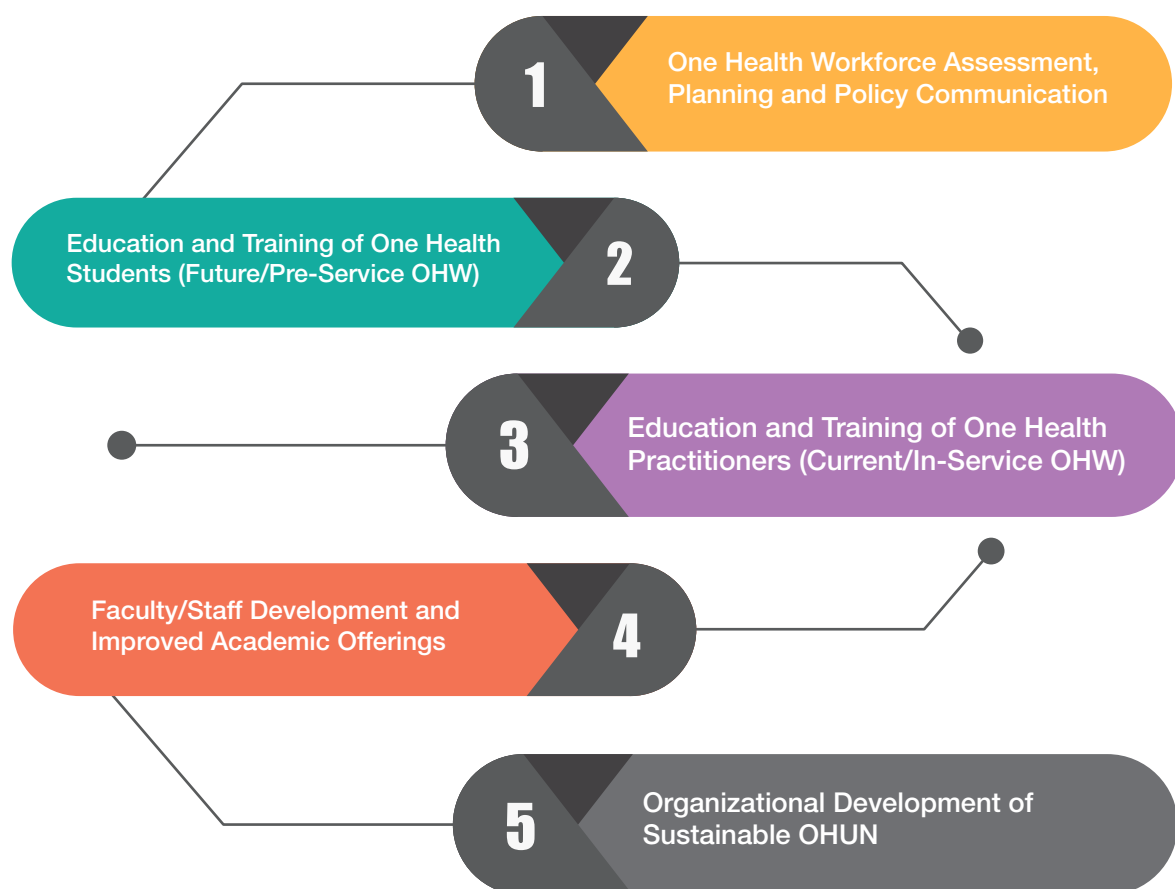
Assoc. Prof. Dr. Hidayatulfathi Othman

Universiti Kebangsaan Malaysia

MyOHUN NATIONAL COORDINATING OFFICE



Strategic Objectives





CERTIFIED TO ISO 9001:2008
CERT. NO. : AR 6478

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 9001:2008”



ACTIVITIES



MyOHUN Executive Board Meeting I and II were held on 13th November 2015 and 26th May 2016. Both meetings were held in Shangri-La Putrajaya. Also presented during the meetings were MyOHUN Coordinator and Project Manager. The meetings were held to approve and endorse the activities planned for Year 2 on One Health Workforce Project.

NATIONAL COORDINATING OFFICE
MALAYSIA ONE HEALTH UNIVERSITY NETWORK
<http://www.myohun.com>

MyOHUN Executive Board Meeting



MyOHUN

One Health Workforce National Strategic Planning Meeting



MyOHUN One Health Workforce National Strategic Planning Meeting was held on 3rd and 4th February 2016 in Shangri-La Golden Sands, Pulau Pinang chaired by MyOHUN Chairman, Prof. Dr. Mohd Hair Bejo. MyOHUN members were divided into several groups to brainstorm and pre-plan the activities to be executed in Year-3 of One Health Workforce project. Each group then presented their plan and submitted pre-planning activity form to the NCO for refinement and follow up.





Integrating One Health Concept Among Public Health Personnel

On 17th and 18th February 2016, MyOHUN has held Integrating One Health Concept Among Public Health Personnel in Marine Centre, National Defence University Malaysia (UPNM). Sixty-eight participants attended this activity from UPNM, UKM, and UPM that came from various disciplines. This program aimed to expose

participants to the spirit of teamwork in abating the growing number of emerging and re-emerging diseases which in lieu with the One Health Concept. Presented during the activity was Prof. Dr. Rick Speare from Tufts University.





Seminar on Infectious Disease Management

Seminar on Infectious Disease Management was held on 18th and 19th February 2016 located in Pullman Hotel, Putrajaya. This seminar was conducted in collaboration with the Malaysia Ministry of Health, Public Health Conjoint Board Committee, Department of Veterinary Services, and Universiti Kebangsaan Malaysia (UKM). This seminar aimed to introduce the concept of disease transmission and the relationship between host, agent and the environment. The

seminar included a field visit to Veterinary Public Health Laboratory in Sepang, Selangor and was shown various laboratory techniques of the surveillance system that the Department of Veterinary Services conducted. One hundred One Health practitioners and policymakers from the Ministry of Health, Department of Veterinary Services, and universities attended the activity.



Development of One Health Module on Handling Disease Outbreak

On 9th and 10th of March 2016 in The Frangipani Langkawi Resort and Spa, Langkawi, a Workshop on the Development of One Health Module on Handling Diseases Outbreaks was held. The objective of the workshop was to develop a user-friendly, multi-disciplinary One Health manual on handling disease outbreaks by a group of multidisciplinary professionals. In lieu with the purpose, the workshop was attended by representations from Ministry of Health, Department of Veterinary Services, Institute Medical Research, Kuala Lumpur City Council, and universities.

The preliminary outline of the module was developed in the first workshop and was circulated and shared with everyone for comments and suggestions. The second workshop was held from 22nd to 25th August 2016 in Ramada Plaza, Melaka where the comments and suggestions from participants were incorporated into the module. Final amendments to the module were made in the third workshop which was held from 19th to 22nd October 2016 at the Swiss Garden Resort, Lumut, Perak. The final product is expected to in print and online at the end of the year.



Simulation Training

Avian Influenza Field Simulation Exercise

Given the existing threat of Avian Influenza worldwide, the Ministry of Health Malaysia (MOH) has collaborated with Department of Veterinary Services (DVS) to organize field simulation exercise on Avian Influenza (AI) for the preparedness of an outbreak. A joint Simulation Exercise across the border states of Kedah, Malaysia, and Songkhla, Thailand was conducted on 30th March until 1st April 2016, in which 22 participants from MyOHUN members were invited as observers to the simulation exercise.

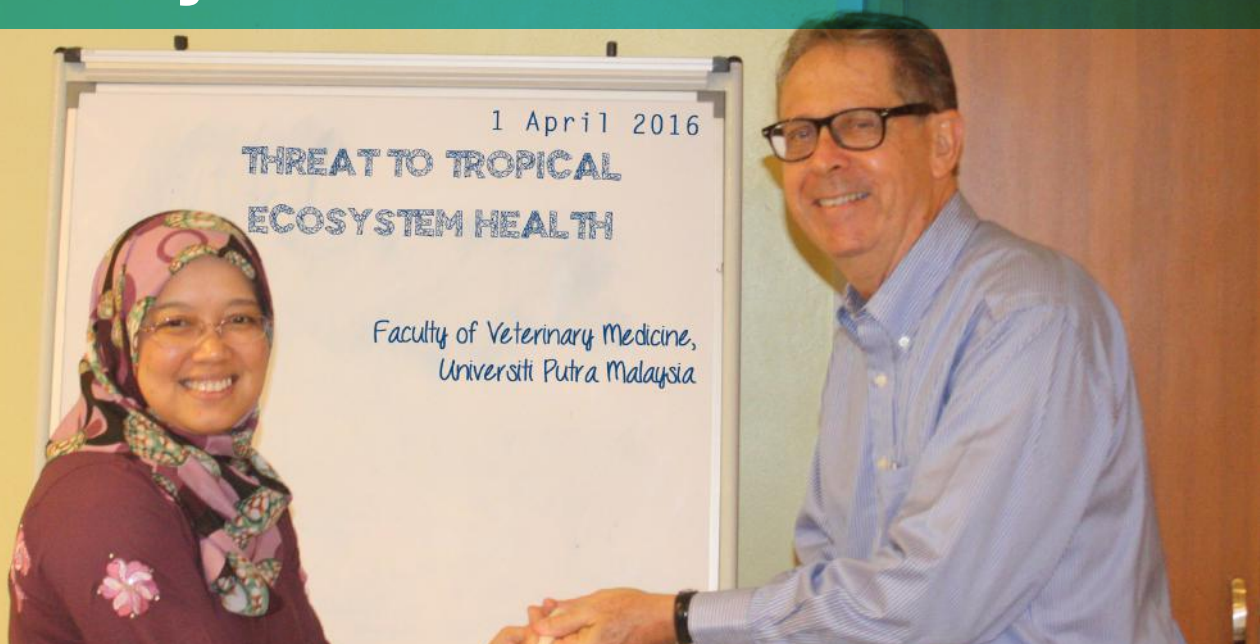


Selamat Datang

FAKULTI PERUBATAN VETERINAR UNIVERSITI PUTRA MALAYSIA



Seminar on Threats to Tropical Ecosystem Health



On the 1st April 2016, a Seminar on Threats to Tropical Ecosystem Health was held in Faculty of Veterinary Medicine, Universiti Putra Malaysia (UPM). The objective of the seminar is to share the experience of a seasoned conservationist on the current threat to the tropical ecosystem and the effort to conserve tropical forest ecosystem. Fifty participants attended the activity from various institutions such as UPM, UMK, PERHILITAN, Sarang Buaya MPPG.



Training of Trainers

Problem Based Learning Book

Training of Trainers for One Health Problem Based Learning was held in Ramada Plaza Hotel, Melaka on 8th until 11th April 2016. The objective of this training was to edit and review the case scenarios and to train One Health Problem Based Learning facilitators to incorporate One Health while facilitating the cases. Two instructors; Dr. Hellen Ambiguni and Dr. Stanley Fenwick from Tufts University were informative, and their presentations were relevant to the current scenarios

of several emerging diseases taking place worldwide. Forty-two academicians attended the activity from universities in Malaysia namely CUCMS, IIUM, UKM, UMK, UPM, USIM, USM, UiTM, UTAR, UNIMAS. There was another six from Andalas University and Mataram University, Indonesia; Hue University and University of Medicine and Pharmacy, Vietnam; and Kasetsart University, Thailand.

Emerging & Zoonotic Disease Investigation Colloquium

The increasing number of emerging and zoonotic disease worldwide, especially Malaysia has raised the attention of Ministry of Health to increase the awareness of the danger of the diseases. In view with this, a colloquium focused on emerging, and zoonotic disease was conducted in Hilton Hotel, Kuching, Sarawak on 14th to 15th April 2016. This event was held in

collaboration with MyOHUN, Faculty of Medicine and Health Sciences, UNIMAS and Ministry of Health. Hundred and twenty-three postgraduate students attended this colloquium that came from public health and veterinary background. Other than that, officers from Ministry of Health and Department of Veterinary Service were also presented.





A tiger is lying on its back on a light-colored tiled floor. The tiger's head is tilted back, and its mouth is slightly open, showing its pink tongue and teeth. Its eyes are looking upwards. The tiger's fur is orange with black stripes, and its belly is white with black stripes. Its front paws are visible, and its hind legs are also visible. The floor is made of large, light-colored square tiles.



A Field Simulation Training on Handling Disease Outbreak (AI) was conducted at Paya Jaras, Sungai Buloh, Selangor on 28th April 2016 organized by the Department of Veterinary Services (DVS) together with Ministry of Health Malaysia and MyOHUN. The simulation exercise aimed to consolidate the operational knowledge of sanitary actions, evaluate and synchronize the collective response capacity of DVS, MOH,

and other related agencies and consolidate effective risk communication skills among relevant agencies during containing and eradicating a possible outbreak of HPAI in avian. Seventeen MyOHUN members attended the activity as observers as the intended target audience were personnel from the Department of Veterinary Services (DVS) as well as delegates from ASEAN members.

Field Simulation Training on Handling Disease Outbreak (AI)



One Health Initiative

On 13th and 14th May 2016, One Health Initiative 2016 was held in Faculty of Veterinary Medicine, University Putra Malaysia (UPM) with the primary objective to introduce One Health concept and to address the importance of collaborations across sectors when handling emergency situations of an outbreak. Sixty-five students from UPM, UKM, UMK, UM, IMU, Monash University and UCSI University were involved which is in line with the aim to provide a platform for students from a different background to exchange ideas regarding One Health concept and to inculcate One Health concept for undergraduate level. The workshop ended with a trip to National Zoo for Problem Based Learning session with the guidance from 6 facilitators from UPM.





Community Education

On 21st and 22nd May 2016 a Workshop for Training of Communication and Leadership for One Health Community Education was held in Avillion Admiral Cove, Port Dickson. A total of 78 students participated in this workshop were from UKM, UPM, CUCMS, and PMC came from various disciplines of Biomedical Sciences, Environmental Health, Medical, Veterinary, and Nursing. The first phase of Community Education activity under MyOHUN provides participants with the development of One Health leadership and communication skill before they involve in the field trip from 16th to 18th September 2016 in Sekolah Kebangsaan Banggol Chicha, Pasir Mas, Kelantan as part of the second phase of the activity. A total of 92 undergraduate students were involved for the second phase. The program achieved all the objectives aimed to promote One Health concept to the community and to develop students' communication and leadership skills.



Development of

Manual for Laboratory Diagnosis of Leptospirosis: One Health Approach

From 26th to 29th May 2016, MyOHUN has organized Workshop on Development of Manual for Laboratory Diagnosis of Leptospirosis: One Health Approach in Renaissance Kota Bahru Hotel. A group of professionals with expertise gathered together to develop modules on the Diagnosis of Leptospirosis. Three modules

were compiled together to serve as the Manual for Diagnosis of Leptospirosis in Human, Animal, and Environment. The workshop was a success as the product of the workshop has reached the final editing of the manual. The manual is planned to be produced by the end of 2016.





The E-Learning Design and Development Workshop was held in Pullman Putrajaya Lakeside Hotel from 18th to 21st July 2016. Twenty-eight participants attended the workshop came from various institutions and fields of expertise. This 4-day workshop intended to improve the participants' current course design and to create student-centered and flexible learning methods and effective teaching deliveries that use the information and communication technologies. Academicians from 6 universities namely University Malaya, Universiti Kebangsaan Malaysia, Universiti Putra Malaysia, Universiti Teknologi MARA, Cyberjaya University College of Medical Sciences and Universiti Sains Islam participated in this workshop.

e-Learning

Design & Development Workshop





Training

of Wildlife Zoonoses and Ecosystem Health

The Training in Wildlife Zoonosis and Ecosystem Health was held from 24th to 28th July 2016 located at the National Institute of Biodiversity Bukit Rengit, Lanchang, Kuala Gandah and National Elephant Conservation Centre (NECC), Kuala Gandah, Pahang. This training aimed at emphasizing the importance of maintaining a healthy tropical ecosystem and how it can prevent zoonoses. Sixty-two participants attended the activity comprising of undergraduate and postgraduate students from the various field of studies such as Veterinary Medicine, Human Medicine, Environmental Health, and Ecology.



One Health

Field Training Exercise

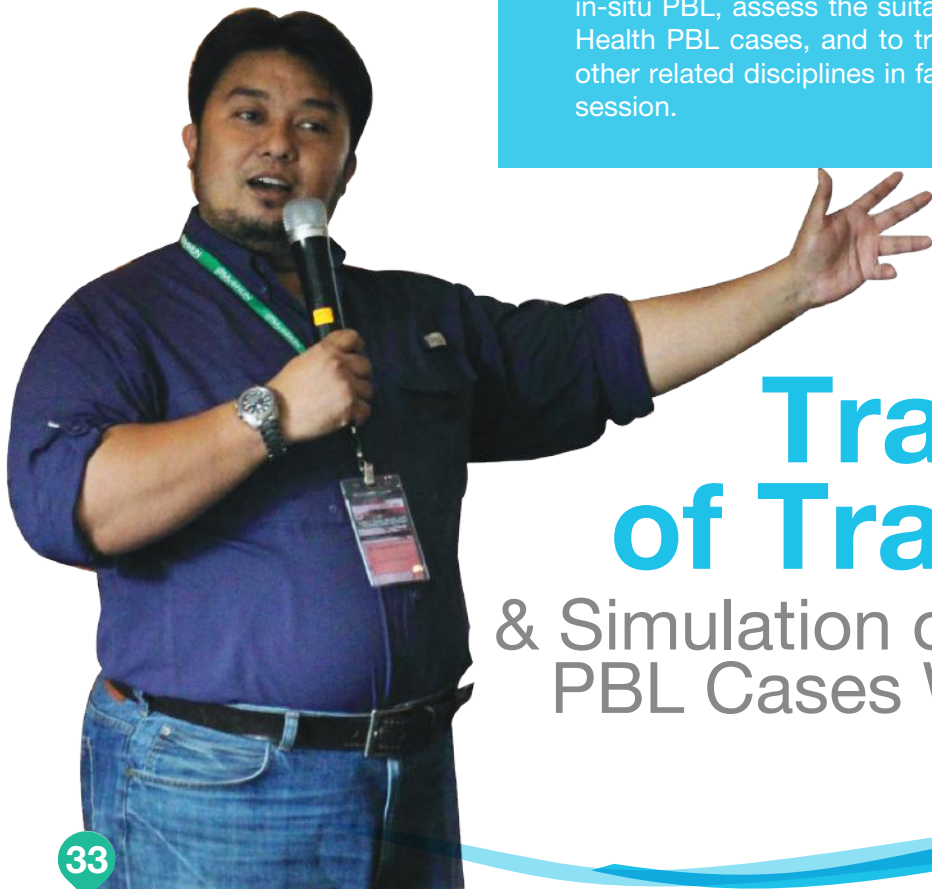
– Rabies Outbreak

The Rabies Outbreak - One Health Field Training Exercise was organized from 16th to 18th August 2016. The program took place at the Grand Margherita Hotel, Kuching for lectures and group works, and in the District of Lundu for field training exercises. One hundred participants were involved in this training mainly from universities, Ministry of Health, Department of Veterinary Services, Indonesian Ministry of Health, and VOHUN.





The Training of Trainers (ToT) and Simulation of in-situ Problem Based Learning (PBL) Cases Workshop was held at the Copthorne Hotel and Jaya Dairy Farm, Cameron Highlands, Pahang from 22nd to 25th of August 2016. Thirty-one participants from different disciplines such as Veterinary Health, Medicine, and Environmental Health attended the workshop. The workshop aimed to prepare facilitators to conduct the in-situ PBL, assess the suitability of the current One Health PBL cases, and to train new facilitators from other related disciplines in facilitating the in-situ PBL session.



Training of Trainers

& Simulation of IN-SITU PBL Cases Workshop

IN-SITU One Health

Problem Based Learning

The In-Situ One Health Problem Based Learning was held from 7th to 9th October and from 14th to 16th October 2016. The program was held at the Centre for Livestock Farming, Lenggong, Perak. The objective of the program was to expose students to the application of theories learned in class at the pre-clinical level to the problem investigation

used by the One Health concept. A total of 160 participants from various courses namely Animal Conservation, Biology, Biomedical Science, Veterinary Medicine, Public Health, Environmental Health, Medicine, Pharmacy, and Plant Science were involved in this program.



Mapping

One Health Implementation in Curriculum

Educating and implementing One Health concept to the younger workforce is one of the critical elements in the One Health approach. In tandem with the idea, a workshop in Mapping One Health Implementation in Curriculum was held from 20th to 23rd October in Ramada Plaza Hotel, Melaka. Aimed to document the implementation of One Health core

competencies according to the Malaysian Universities Curriculum, thirty-three academicians attended the workshop who came from a variety of field related to the One Health. Dr. Karin Hamilton from the University of Minnesota, USA guided and facilitated the discussions on mapping One Health competencies and concepts into the curriculum and courses.





One Health Young Leaders

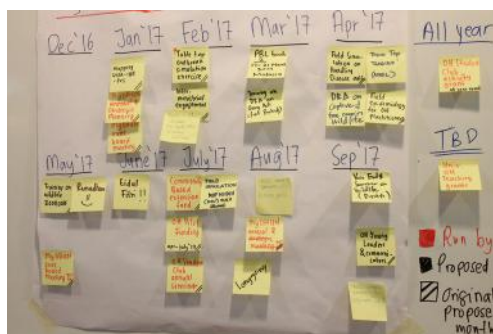


In making a stronger and reliant future generation, it is vital to give them the right start and nurture their development. In enhancing the capabilities of the young leaders, from 10th to 14th November 2016, the One Health Young Leader's workshop was held in Perdana Resort and Pantai Cahaya Bulan Resort, Kota Bharu, Kelantan. The program aimed to enhance OH knowledge among the young leaders and to establish sustainable networking for the future One Health Workforce (OHW). A total of 117 participants attended the program from 3 different Universities namely Universiti Sains Malaysia (USM), Universiti Malaysia Kelantan (UMK) and Universiti Sultan Zainal Abidin (UniSZA) from a variety of backgrounds.



MyOHUN Annual Meeting

MyOHUN Annual Meeting was held from 5th to 6th November 2016 in Ombak Villa Resort, Langkawi chaired by MyOHUN Chairman, Prof. Dr. Mohd Hair Bejo. Project Leaders of activities presented the activities that they have conducted in Year 2. The meeting then continued with a discussion on organizing and implementation of activities for Year 3 of the One Health Workforce project.





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

Disclaimer: This annual report is made possible by the generous support of the American people through the United States Agency for International Development (USAID). The contents are the responsibility of MyOHUN and do not necessarily reflect the views of USAID or the United States Government.

