

MyONE HEALTH Newsletter

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

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**One Health Problem-Based Case
Development One Health Initiative**

**Training on Wildlife Zoonoses &
Ecosystem Health**

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**One Health Core
Competency-centric Teaching**

One Health Table Top Simulation Exercise

Field Simulation on Handling Disease Outbreak

Table-top Outbreak Simulation Exercise

**Inter-ministerial Engagement
to Address Training Need to Prudent Use of
Antibiotics in Clinical, Veterinary and Food Animal Settings**

WELCOMING NEW YEAR OF 2017

with

MORE

**ACTIVITIES
CHALLENGES
EFFORT**

New Year Welcoming Message from MyOHUN's Chairman

A very Happy New Year 2017, everyone. I would like to wish the entire Malaysian One Health University Network (MyOHUN) family the very best as we begin the New Year 2017. The start of a new year is a fresh point to look ahead and think about what this year may bring us, and it also provides an ideal time to reflect on where we have been.



We have gone through 2016 with 48 activities done all through the year, successfully met our 5 strategic objectives and outcomes (KPI). These activities includes a problem based learning approach to One Health; with the publication of a problem based learning book, curriculum mapping and review, development of 2 One Health manuals on handling zoonotic diseases outbreak and diagnosis of leptospirosis. Besides that, we also had held two simulation of disease outbreak on avian influenza and rabies, wildlife zoonoses and ecosystem health, and One Health student club as well as programs to community, research and One Health colloquium, seminars and workshops.

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

This year marks the beginning of our year-3 on the One Health Workforce (OHW) project and it is important that we use our opportunity wisely. This will be possible only with our continual dedication, hard work and sound teamwork. 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, donors and mostly for the human, animals and environment at large national, regional and globally.

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. The year ahead will certainly bring its own challenges and opportunities, and I am very sure that by working together and being focused we can successfully achieve and realise our goals. I am convinced that I can count on your support and co-operation.

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

With my best wishes for a healthy, fruitful and successful New Year 2017.

Prof. Dr. Mohd Hair Bejo
Chairman

Malaysia One Health University Network (MyOHUN)

E-Learning Design and Development Workshop

The E-Learning Design and Development Workshop was held in Pullman Putrajaya Lakeside Hotel from 18th to 21st July 2016. 28 participants attended the workshop came from various institutions and fields of expertise. They were first introduced to One Health before being engaged into the main content of the workshop. This 4-day workshop intended to improve the participants' current course design and to develop a new instructional course that will be effective to each course. Moreover, online learning can create student-centered and flexible learning methods and effective teaching deliveries that use the information and communication technologies. Academics from 6 universities namely University of Malaya, Universiti Kebangsaan

Malaysia, Universiti Putra Malaysia, Universiti Teknologi MARA, Cyberjaya University College of Medical Sciences and Universiti Sains Islam Malaysia that participated in this workshop gave positive feedbacks. Through this workshop, the participants had better understanding of the instructional course and e-learning principles, with the hope that this might change the way they design their lessons in the future



Training on Wildlife Zoonoses in Tropical Ecosystem Health



The Training in Wildlife Zoonoses and Ecosystem Health was held from 24th July to 28th July 2016 located at the National Institute of Biodiversity Bukit Rengit, Lancang, Kuala Gandah, Pahang and National Elephant Conservation Centre, (NECC), Kuala Gandah Pahang which focused on the One Health approach of the importance of Wildlife and Ecosystem health. This training aimed on

emphasizing the importance of maintaining a healthy tropical ecosystem and how it can prevent zoonoses. The program began with lectures related to Ecosystem Health, Wildlife Zoonosis, Wildlife Population Dynamics and Biosecurity as introduction. Afterwards, the participants were demonstrated on field simulation and other procedures concerning the prevention of zoonosis and protection of wildlife in practical. There were 62 participants comprising of undergraduate and postgraduate students from various fields such as Veterinary Medicine, Human Medicine, Environmental Health and Ecology. All in all, the program gave participants a better understanding of the importance of handling cases involving human -



Rabies Outbreak - One Health Field Training Exercise

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. 100 participants were involved in this training mainly from universities, Ministry of Health, Department of Veterinary Services, Indonesian Ministry of Health, and VOHUN. On the first day of the workshop, participants were first introduced to the One Health concept and some examples of Rabies Outbreak inside and outside Malaysia. While on the second day, participants were divided into 6 groups consisting of 3-4 trainers, 5 observers and 5 students in each group. These groups were assigned to different locations around the Lundu District with different scenarios of Rabies outbreak.

Six field scenarios were conducted in six different locations which were;

- Land Border area with Kalimantan at the Customs, Immigration and Quarantine (CIQ) Biawak
- Semantan Health Clinic (KK Sematan)
- District Hospital, Lundu
- District Health Office, Lundu
- Sarawak Health Department
- Ladang Dafa, Lundu

On third day, the students presented the outcomes from the field exercise and requested to incorporate technical and core competencies deemed appropriate in dealing given scenarios. By the end of the workshop, participants gained awareness of the importance of early detection of the outbreak. What's more it is always best to maintain good communication with neighboring counterparts especially if they are working near borders.



Workshop on the Development of One Health Manual on Handling Disease Outbreaks II

Progressing on the Development of a One Health manual on Handling Disease Outbreaks, a second workshop was held from 22nd to 25th August in Melaka at the Ramada Plaza Hotel. Previously there were 5 groups from each discipline that has made a preliminary outline of the manual which provided a step to step guide to an outbreak investigation. This manual can be used by a novice and also act as reference for the experts in the field during the management of an outbreak. There were 25 participants involved in the workshop in which 14 participants came from universities, 1 from the Institute of Medical Research, 8 from the Department of Veterinary Services, and 2 from the Ministry of Health. During this workshop, each multidisciplinary group made appropriate corrections and changes for the manual. A draft of the manual was completed respectively according to the



template of the manual. A number of issues were detected and resolved when discussing the chapters. During this workshop, experts from the Ministry of Health and Department of Veterinary Services who were part of the team gave impromptu talks on what their responsibilities are and gave a clear image of the human-veterinary service role during an outbreak.



Training of Trainer (ToT) & Simulation of In-Situ Problem Based Learning Cases Workshop

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. 31 participants from different disciplines such as Veterinary Health, Medicine, and Environmental Health presented. The workshop aimed to prepare facilitators to meet the requirements to conduct the In-Situ PBL, assess the suitability of the current One Health PBL cases, and also to train new facilitators from other related disciplines in facilitating the in-situ PBL session. Engaged in scenarios created, participants were actively involved in activities which prompted their skills that will be needed in real-life situations. In relation to the workshop, most participants acknowledged the importance of the knowledge and workshops in order to develop a better and greater One Health future workforce.



Training of Communication and Leadership for One Health Community Education

Organised in Pasir Mas, Kelantan, the Training of Communication and Leadership for One Health Community Education was held from 16th to 18th September 2016. A total of 92 undergraduate students from 5 universities namely Universiti Kebangsaan Malaysia, Universiti Putra Malaysia, Cyberjaya University College of Medical Sciences, Penang Medical College and Universiti Malaysia Kelantan were involved in this program. The program achieved all the objectives aimed at promoting the One Health concept to the community, to train future workforce of the One Health program, and also to develop students' communication and leadership skills. Using the concept of foster families, 2-3 students were assigned to a foster family while promoting health

knowledge using the material provided to the families. The communities involved also had the opportunities to attend health talks, a health screening test and health exhibitions. This program not only exposed students to the larger and worthy experiences but also provided the opportunity for the students to give back and reach out to the community..



In-Situ One Health Problem Based Learning

The In-Situ One Health Problem Based Learning was held from 7th to 9th October and also 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. Other than that, this program also aimed to introduce in-situ Problem Based Learning (PBL) experience to a more diverse group of students covering medical, veterinary and ecosystem health. 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. PBL cases were designed in this program to integrate the knowledge of One Health with inputs and participation from local and international facilitators. At the end of the



session, the participants acquired knowledge about One Health and were able to relate concepts of PBL in the field compared to the knowledge they acquired in a classroom setting. Participants also had the opportunity to learn and understand more about the real-life situation faced by the respected agencies during a zoonotic disease outbreak and safety measures that need to be taken to curb and prevent the occurrence of the diseases.



Workshop on the Development of One Health Manual on Handling Disease Outbreaks III

Continuing from the last workshop in August, from 19th to 22nd October at the Swiss Garden Resort, Lumut Perak, a Workshop on the Development of a One Health Manual on Handling Disease Outbreaks III was held in order to finalize the manual. In this workshop, each groups had to review their chapter as well as reviewing a chosen chapter from another group. This workshop was the third of the three workshops planned to develop the first ever user-friendly multi-disciplinary One Health Manual on handling disease outbreaks in Malaysia. Only 12 participants were involved at this stage where there were 5 representatives from universities, 5 from Department of Veterinary Services and 2 from the Ministry of Health. During the workshop, constructive comments were made by members and participants and amendments to the manual were made in the workshop itself. The final draft of the manual was



assembled by the project leader before another meeting with representatives from each group will be held to check and finalize the draft. Afterward, the finalized manual will be forwarded to the Director General of Ministry of Health and Department of Veterinary Service to contribute their foreword.



Mapping One Health Implementation in Curriculum

Educating and implementing One Health concept to the younger workforce is one of the key elements in the One Health approach. This can be done through implementing the One Health concept through the existing curriculum in institutions. 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, 33 participants attended the workshop who came from a variety of expertise related to the Human-Animal-Environmental Health. Two academicians from MyOHUN members; Dr Razitasham Safii from Universiti Malaysia Sarawak, and Dr Rozaihan Mansor from Universiti Putra Malaysia were invited to share their experience on the implementation of One Health core competencies in their



courses. 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. The compilation of information on One Health core competencies progressed well since most institutions involved have already documented the implementation of One Health core competencies in their 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 and it is no difference with our One Health (OH) future workforce today. 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 aims of the program were 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. Several lectures were given by notable speakers to encourage the future OHW to use the knowledge and understanding of the One Health concept to develop, implement and sustain the health of human, wildlife and environment.



MyOHUN's Upcoming Activities

March 2017

One Health AMR Surveillance Seminar & Workshop
Table-top Outbreak Simulation Exercise

April 2017

One Health Problem-Based Case Development

May 2017

Field Epidemiology for One Health Practitioners
Training on Wildlife Zoonoses and Ecosystem Health
National MyOHUN Executive Board Meeting 2

July 2017

OH Student Club Annual Seminar
One Health Young Leader and Communicators
Field Simulation on Handling Disease Outbreak

August 2017

OHCC-centric Teaching
MyOHUN Annual and Strategic Planning Meeting

All Year Round

One Health Student Club Activity Grant

***visit our website for more activities info & updates**

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2016 Memories



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