

# ANNUAL REPORT 2018

MALAYSIA ONE HEALTH UNIVERSITY NETWORK MyOHUN



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### **Foreword from Chairman**

One Health Workforce (OHW) Emerging Pandemic Threat 2 (EPT 2) programme started in 2014 (2014-2019), and this is the 4th year we are in the programme. This year, Malaysia One Health University Network (MyOHUN) with dedication from MyOHUN members from universities, government ministries, and partners have successfully organized 34 main activities, and here I present to you the MyOHUN's 2018 or Year-4 Annual Report.

It has been a productive year with many accomplishments and а few new opportunities. I would like to take this opportunity to congratulate **MvOHUN** members and partners for endless dedication. hard work. and excellent teamwork. I take great pride to inform that this year we have introduced new activities such as One Health disaster frontliners module development in which we are expected a module to be published in 2019. Another new activity includes Community education and field training on diseases transmission among the indigenous people which has given the opportunity for MyOHUN to promote One Health even to the deepest civilization in Malaysia.

This year also marked the recognition of the MyOHUN National Coordinating Office (NCO) Quality Management System (QMS) as we have been awarded the International Organization for Standardization (ISO) 9001:2015 certification. It highlights the efficiency of our NCO in the provision of the coordination and management of MyOHUN's activities.

For more than four years we have been together organizing activities and promoting One Health, MyOHUN and its members are a big One Health family – a family with strong sense of belonging, caring and working together as a strong team to further strengthen in creating better and healthier Malaysia and the world. MyOHUN has planned more exciting activities and projects to work with different agencies, government ministries, and universities to create a healthv and successful One Health Workforce in Malavsia.

I strongly believe that a greater success and significant impact would be made in the future with tireless effort and high commitment showed by network members and partners. I look forward enthusiastically to the continuing growth of our network to the years ahead.



Professor Dato' Dr. Mohd Hair Bejo

Chairman Malaysia One Health University Network (MyOHUN)

> Dean Faculty of Veterinary Medicine Universiti Putra Malaysia



### **Message from Coordinator**

#### **Greetings Fellow One Health Enthusiasts,**

It was the best of times, it was the worst of times, it was the age of wisdom, it was the age of foolishness... (Charles Dickens from The Tale of Two Cities)

We live in a time of intense and rapid global change. Some of the changes are for the better, while some are not. As an optimist, I believe that we can benefit from the positive changes and be prepared for what is to come.

We have worked on the One Health Workforce project for four years and are going into the fifth. I am not going to reiterate the number of activities and their details because...Well it gets dull. We know what we have accomplished. What is not dull is the fact that many unresolved conflicts persist and will continue to change the landscape of emerging diseases. As we know, rapid modernization, war and political instability may breed all that is worst in not only human nature but also in pathogens.

What can we do? We are a family with expertise complementary to each other. We share the same values and common goals. We must continue to communicate freely and, more importantly, listen to each other. We must strive to empower ourselves and our youth with the right knowledge. We must teach ourselves and the people around us that knowledge evolves; therefore, we must continue to learn and be educated. We must lower our veil of pride and submit to the fact that we do not know all, and we need others to make us whole.

Thank you all for your great contributions in OHW Year 4. It is indeed a journey of maturation and I look forward to serving you in the coming year.



Professor Dr. Latiffah Hassan Coordinator

Malaysia One Health University Network (MyOHUN)





# 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.

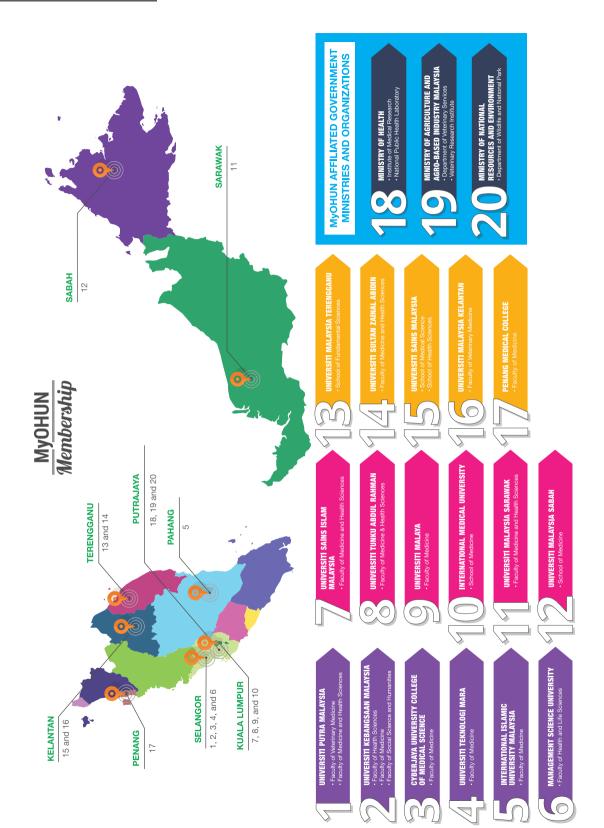
# **About OHW**

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

# One Health

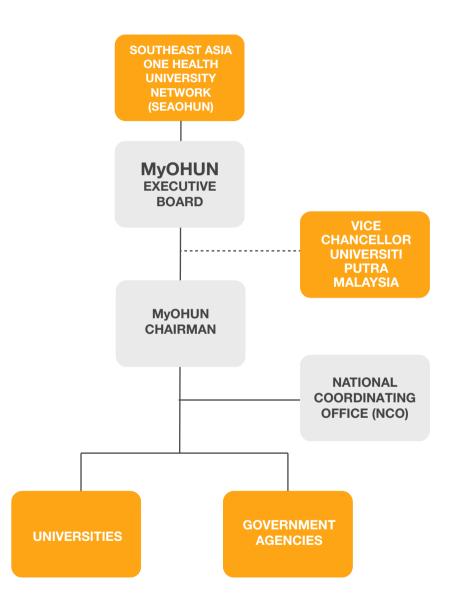
the University of Minnesota and Tufts University provide support for the Southeast Asia One Health University Network which also directly supports MyOHUN. OHW is able to leverage these established university networks to create a sustainable transformation in the country's health workforces.



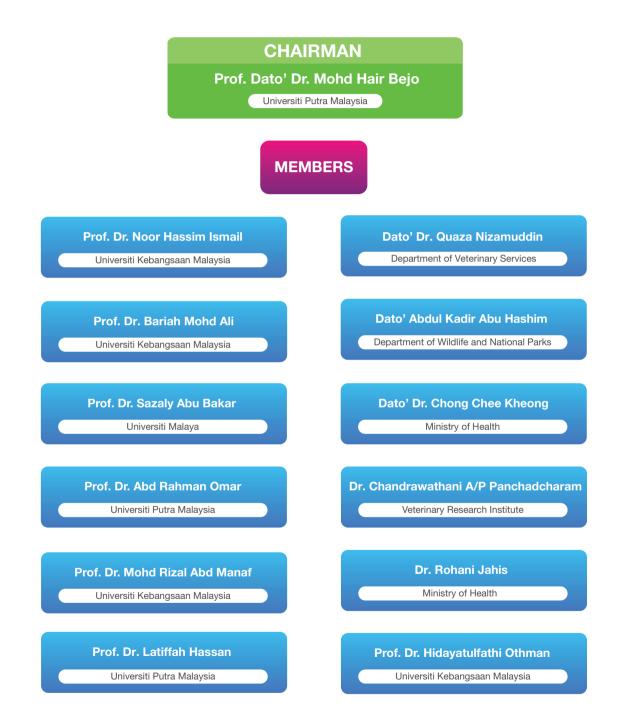




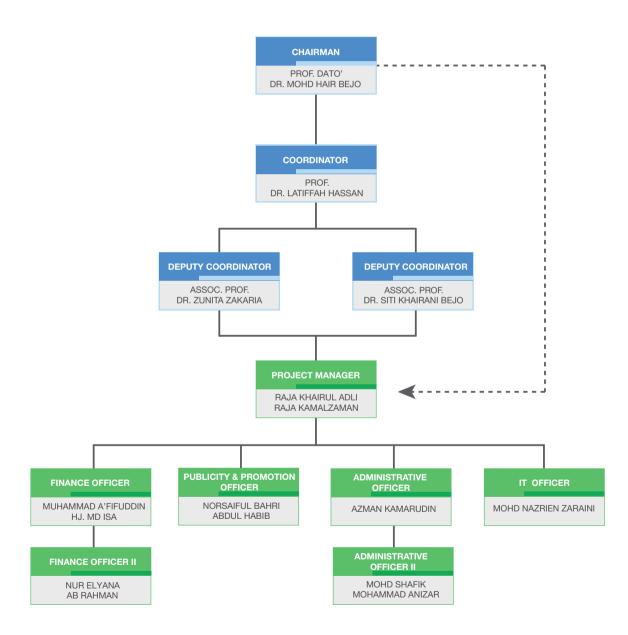
### MyOHUN STRUCTURE



#### MyOHUN EXECUTIVE BOARD MEMBERS 2018







#### Numbers in 2018





CERTIFIED TO ISO 9001:2015 CERT. NO. : QMS 02993

# **Quality Policy**

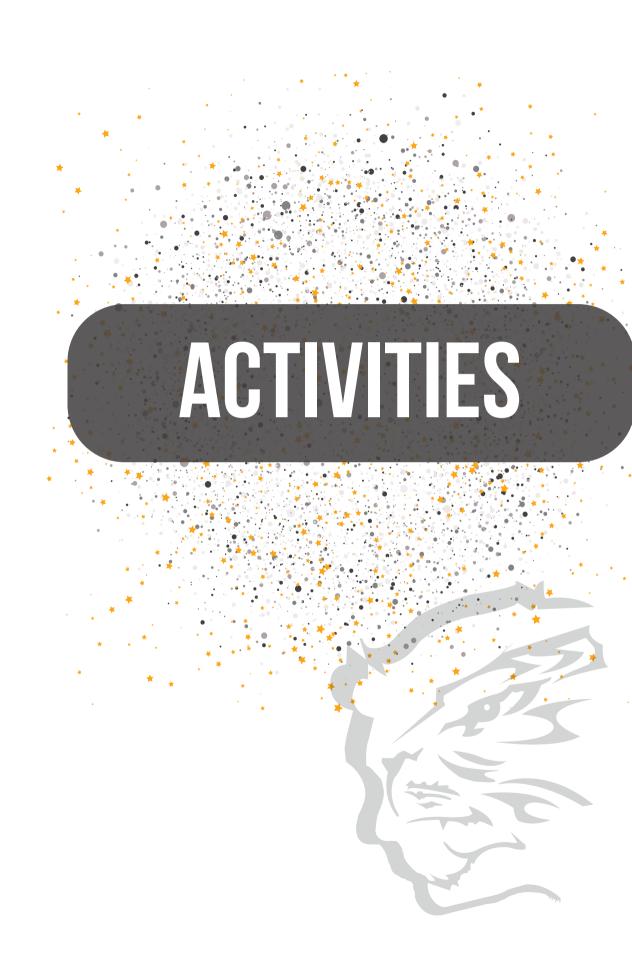
"National Coordinating Office (NCO) – MyOHUN is committed to achieve excellence in providing its services in One Health activities through a quality management system that is constantly improved upon to satisfy the needs of our customers in accordance with MS ISO 9001:2015"

The MyOHUN National Coordinating Office (NCO) was awarded the International Organization for Standardization (ISO) 9001:2015 in recognition of the NCO's Quality Management System (QMS) on 30 May 2018. In achieving this certification, it highlights the efficiency of the NCO's QMS in the provision of the coordination and management of activities by MyOHUN. In order for MyOHUN to be awarded the certification, NCO MyOHUN has gone through Surveillance Audit, Internal Audit, ISO Awareness Workshop both in 2017 and 2018 as part of the requirement for upgrading the certification.









#### report 2018



The One Health Disaster Front Liners Module Development Workshop was held from 16th to 19th January 2018 in Ramada Plaza Melaka led by the project leader, Dr. Rosnah Ismail from UKM. A total of 25 balance mixture of academicians and field experience officers from Ministry of Health, National Disaster Association (NADIM), National Management Disaster Management Agency (NADMA), UPM, UKM, Hospital Serdang and Hospital Sultan Ismail Johor Bahru attended the activity. This 4-day training aimed to develop the basic One Health Disaster Front Liner Module covering the four phase of emergency management. A trial-run session to test the module developed previously during the workshop was held on 1st March 2018 at the State Health Department Negeri Sembilan with 16 medical practitioners pass the competency test. Another workshop was held in Le Meridien, Putrajava from 20th to 21st March 2018 for the refinement of the module. Twenty-one academicians and field experienced officers from ministries, agencies, hospitals, and universities attended the activity to refine the module based on the result of the trial-run session.

# One Health Disaster Front Liners Module Development Workshop





# **Antimicrobial Resistance (AMR) Seminar** & Launching of Malaysian Action Plan on AMR (MyAP-AMR)



MyOHUN along with Ministry of Health and Ministry of Agriculture and Agro-Based Industry collaboratively organized the One Health Antimicrobial Resistance (AMR) Seminar & Launching of Malaysian Action Plan on AMR (MyAP-AMR) on 27th February 2018 in Auditorium JAKIM, Kompleks Islam Putrajaya, Putrajaya. The objective of the activity is to improve understanding of the role and prudent use of antibiotics among all related personnel on the significance and importance of AMR. Five hundred ministerial officers and academician attended the activity that started with the seminar on AMR before the launching ceremony of Malaysian Action Plan on AMR. The ceremony was officiated by YB Dato' Sri Ahmad Shabery Cheek, Minister of Agriculture & Agro-Based Industry and YB Datuk Seri Dr. S. Subramaniam, Minister of Health.



**M**vOHUN Executive Board Meeting I and II was held on 7th March 2018 and 5th December 2018. The meetings were held to approve and endorse the activities for Year 4 on One Health Workforce Project and discussed MyOHUN future direction after Year 5 of One (OHW) Health Workforce **Emerging Pandemic Threat (EPT)** Il project ended.

## **MyOHUN** Executive Board Meeting



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# Pilot Problem-Based Learning

# with Medical, Health Sciences, and Veterinary Undergraduates Students

Prof. Dr. Siti Suri Arshad from UPM led the Pilot Problem Based Learning with Medical, Health Sciences, and Veterinary undergraduates students were held in Faculty of Veterinary Medicine on 6th March and 23rd March in the Office of the Deputy Vice-Chancellor (Research & Innovation), UPM. A total of 180 students from various disciplines gathered as participants on One Health PBL cases for both sessions which consequently help them to understand the importance of transdisciplinary network on One Health issues. Forty-five facilitators were involved in both sessions to inculcate the One Health concept among undergraduate students and to assess the comprehensibly of the developed book on the students while creating the opportunity for medical, health sciences and veterinary undergraduate students to work together on One Health cases.



#### **Community Education & Field Training** Among the Jahai School Children in Sungai Tiang on Zoonotic Disease Transmission

Three sessions of Community Education and Field Training on Diseases Transmission Among Jahai School Children were held from 30th March to 1st April, 13th to 15th April, and from 27th to 29th April 2018 at Sungai Tiang in Belum forest located in the state of Perak, Malaysia. This activity led by Prof. Dato' Dr. Abdul Rashid from RCSI & UCD Malaysia Campus (RUMC) focuses on creating awareness on the risks of zoonotic infections involving the children of the indigenous Jahai people from Sungai Tiang. Each session more than 30 students from UPM, UKM, USM, UTAR, CUCMS, and USIM that came from various background become the facilitators to more than 70 Jahai school children from the age of 6 to 12 years old.

EKOLAH KEBANGSAAN

#### National One Health Workforce Strategic Planning Meeting

GROUP

**MyOHUN** 

MyOHUN National One Health Workforce Strategic Planning Meeting was held in Shangri-la Golden Sands Resort, Penang from 31st March to 1st April 2018 chaired by MyOHUN Chairman, Prof. Dr. Mohd Hair Bejo. This meeting was held to pre-plan the activities to be executed in Year-5 of One Health Workforce project. Forty-seven MyOHUN members attended the meeting and divided into several groups to brainstorm activities and its programme. The groups then presented their plan and submitted pre-planning activity form to the NCO for refinement and follow up.

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#### One Health Field Epidemiology Training

One Health Field Epidemiology Training combining officers and academicians from various disciplines was held from 9th to 13th April 2018 in Miri, Sarawak. Forty-three participants attended the training led by Assoc. Prof. Dr. Razitasham from UNIMAS. This 5-day training aimed at training One health workforce to respond competently to the infectious disease outbreaks using One Health competencies. The activity aimed to produce a training module on field epidemiology using One Health approach. Hence another session of the activity was held from 28th April to 1st May 2018 with six academicians from UNIMAS, UKM, USM, and UiTM gathered together at Hatten Hotel, Melaka to solely focused on developing One Heath Field Epidemiology Module.





# Development

# of Table Top and Field Simulation Teaching Module

From 20th to 24th July 2018, Assoc. Prof. Dr. Rozita Hod from UKM together with Assoc. Prof. Dr. Razitasham from UNIMAS led the Development of Table Top and Field Simulation Teaching Module in The Puteri Pacific Hotel, Johor Bahru. Twelve participants attended the workshop were the trainers or future trainers for the One Health Field Epidemiology Training Program (FETP) and Table Top activities. The workshop aimed to highlight and develop several important scopes related to the One Health FETP. This 3-day workshop had successfully developed 12 modules for the FETP consist of Introduction to One Health Field Epidemiology, One Health Concepts and Competencies, Fundamentals of Zoonotic Diseases, Zoonotic Diseases Control and Prevention, Ecosystem and Health, Laboratory Intelligence in Zoonotic Diseases, Surveillance of 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 II

Regional Training of Trainers (ToT): One Health Problem-Based Book II was held in Hotel Perdana, Kota Bharu, Kelantan from 29th June until 1st July 2018. Assoc. Prof. Dr. Jalila Abu from UPM led the activity that aims 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. Twenty-eight academicians that have different disciplines and from different universities such as UniSZA, UPM, UNIMAS, UMK, IIUM, and UKM attended the activity. Dr. Hellen Amuguni from Tufts University, United States was again invited as the trainer for the activity.





## One Health Field Training for Emerging Zoonoses

Assoc. Prof. Dr. Rozita Hod and team led the One Health Field Training for Emerging Zoonoses that was held in Tenera Hotel, Bandar Baru Bangi and Lipiz Plaza Hotel, Kuala Lipis between 2nd to 5th July 2018. Seventy participants consisting of officers, academicians, and postgraduate students from UKM, UNIMAS, UPM, and UITM with various background participated in this activity along with the active contribution of experts from Sabah State Health Department and Department of Veterinary Services as well as Kuala Lipis District Health Office. Outdoor residue spray and treated bed net as methods of preventive action from malaria and extracting larvae sample from natural habitat were demonstrated by officers from District Health Office while visiting Felda Kechau.







The Problem-Based Learning Training on Wildlife Zoonoses and Ecosystem Health was held in Livingston Hotel and Sepilok Orang Hutan Rehabilitation Centre Sandakan, Sabah from 9th July until 13th July 2018. Dr. Tengku Rinalfi Putra Tengku Azizan from UPM and his team of facilitators from multiple MyOHUN universities trained 40 participants from UPM, UKM, UNIMAS, UMS and Ecole Nationale Veterinaire de Toulouse from medical, veterinary, and environmental background attended the training. Dr. Chris Whittier and Prof. Dr. Stanley Fenwick from Tufts University, United States were invited to become speakers and to facilitate the activity.

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### **Problem-Based Learning**

Based Training on Wildlife Zoonoses and Ecosystem Health

### One Health Young Leaders and Communicators

One Health Young Leaders and Communicators was held from 16th to 19th July 2018 in Eagle Ranch Resort, Port Dickson. Prof Stanley Fenwick of Tufts University, United States was invited as a speaker and to facilitate the activity along with Dr. Faizal Ghazali as the project leader and his team. The activity trained a total of 49 students from six local universities; UPM, UKM, UTAR, CUCMS, IIUM, and USIM, and four students from three Cambodian universities have the opportunity to participate in the five-day activity. Miss Marilyn Crane from USAID and Mr. Sophea Pech from Cambodia were also present as observers of the activity. The program gathers students from a variety of different fields with the objective to introduce students to the concept of One Health and to provide knowledge on the competencies required in the One Health practice.







# National Rabies Simulation Exercise 2018

National Rabies Simulation Exercise 2018 was held from 24th to 26th July 2018. MyOHUN collaborated with DVS Sabah organized the activity in Tawau, Sabah. In this regard, the simulation exercise of rabies is 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 epidemic. Fifteen **MyOHUN** members attended as observers during the simulation exercise.



### National Avian Influenza Simulation Exercise 2018

The Ministry of Health in close partnership with DVS and MyOHUN collaborated to organize the National Avian Influenza Simulation Exercise from 14th to 16th August 2018. The focal point of the exercise was the field simulation exercise on 15th August 2018 in which 14 groups were dispatched to 7 locations across Negeri Sembilan. The simulation exercise was very successful, and MyOHUN looks forward to continuing its involvement in this interagency collaboration. More than 120 officers, health practitioners, and academicians involved with the exercise came from different ministries, departments, hospitals, clinics, and also universities.



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 2018. The program was held at the Deer Breeding Centre, DVS, Lenggong and Matang Mangrove Forest, Kuala Sepetang, Perak with Assoc. prof. Dr. Mohd Hezmee Mohd Nor as the project leader. A total of 174 students from various backgrounds such as biomedical science, medicine, forestry, environmental health, and veterinary participated in the activity. Participants also visited the Matang Mangrove Forest in Kuala Sepetang, Perak to observe the ecosystem health in the forest on the last day of the activity.

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### IN-SITU One Health Problem Based Learning for Animal and Human Health

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# 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 led by Dr. Suraya Amir Husin from Ministry of Health 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, DVS, NPHL, IMR, FR, State Health Departments, Health Clinics, and Hospitals. Laboratories participated in this workshop. Prof. Dr. Stanley Fenwick from Tufts University. the United States attended the workshop.



The MyOHUN Annual Meeting 2018 was held in Swiss-Garden Beach Resort, Kuantan from 6th to 7th October 2018. The meeting chaired by Prof. Dr. Mohd. Hair Bejo, MyOHUN Chairman. Project Leaders, Researchers, and Student Club Advisors who had completed their activities and researches under MyOHUN were presented. The meeting highlighted some of the achievement and challenges while conducting the program and the lesson learned to increase the impact of the activities. The result of the discussion was then presented the next day which each presentation emphasis on added values and improvements from activities that continued from previous years.

# **MyOHUN** Annual Meeting 2018



#### One Health Student Club Activity Grant

Eight universities have established the OH Student Clubs. Below are the universities and advisors.



One Health Ambassador Advisor: Prof. Dr. Latiffah Hassan



Have Fun, Get Dirty with Germies and Beast 2.0 Advisor: Prof. Dr. Mohd Rizal Abdul Manaf





One Health Awareness of Mosquito-borne Diseases in Sarawak Advisor: Assoc. Prof. Dr. Ashley Soosay



One Health Awareness of Mosquito-borne Diseases in Kelantan

Advisor: Dr. Sandie Choong Siew Shean



One Health Awareness of H5N1 among Community in Kampung Pulau Tebu, Tunjong, Kelantan.

Advisor: Assoc. Prof. Dr. Aziah Daud

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Sustaining Ecosystem and Wildlife with Anthropogenic Activities Toward Prevention of Infectious Disease: Field Trip to Kuala Gula, Perak, a Bird Sanctuary

Advisor: Dr. Mariam Muhammad



Community Education with One Health Approach towards Preventing Infectious Diseases in conjunction with World Health Day 2018

Advisor: Assoc. Prof. Dr. Ridhwan Abdul Wahab





One Health Community Education in Orang Asli Community

Advisor: Dr. Nurul Azmawari Mohamed

### **MyOHUN** Community-based Extension Project Fund

Community-based Extension Project Fund for Year 4 has been awarded to 3 researchers. Below is the list of grantees and the title of the project.

	Grant Title	Grant Lead Researcher
1.	The Development and Effectiveness of 'One Health'	Dr. Rosalia Saimon
	Educational Apps on Dog Bite Prevention for School-	
	Aged Children in Sarawak, Malaysia.	
2.	Personalised Risk Communication Strategy and	Dr. Sabreena Binti Safuan
	Education towards the Prevention of Post-Flood	
	Infectious Diseases among the Flood Victims in Kota	
	Bharu, Kelantan.	
3.	The Knowledge, Attitudes, and Practices (KAP)	Dr. Tay Lee Huay
	Relating to Rabbies Amongst the People Living in	
	Sarawak.	

### **MyOHUN** World Zoonoses Day Poster Competition

World Zoonoses Day is held July 6 every year to commemorate the day Louis Pasteur successfully administered the first vaccine against Rabies virus, a zoonotic disease. Commemorating the day, MyOHUN organized World Zoonoses Day Poster Competition, opened to all students of MyOHUN members. The objective of the competition is to raise awareness of the risk of zoonotic diseases. Tan Zher Min from Universiti Putra Malaysia was announced as the winner of MyOHUN World Zoonoses Day Poster Competition 2018. His poster is featured as our Issue 10 Newsletter's cover. Congratulations, Tan Zher Min!





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