

ANNUAL REPORT

2020

MALAYSIA ONE HEALTH UNIVERSITY NETWORK Myohun







ANNUAL REPORT 2020

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 under the One Health Workforce – Next Generation Project (OHW-NG) and do not necessarily reflect the views of USAID or the United States Government.

Personal protective equipment, distancing, and group size standards in this photo were consistent with local public health guidance and COVID-19 status in the specific country and time it was taken. This may not reflect best practices for all locations where COVID-19 is still spreading.

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Preface

The year 2020 has been one for the history books – the COVID-19 pandemic hit. Tragedy unfurled as the virus moved to every corner of the earth. As we are still in the midst of fighting the virus, this global threat is changing life as we know it. We were introduced to a new normal of working primarily through the online platform, as we are bound to our own home and space.

Although Malaysia One Health University Network (MyOHUN) was minorly affected by the pandemic overlaying the start of Year 1 of the One Health Workforce – Next Generation (OHW-NG) Project, there were many challenges to overcome. As a result, training, seminars, field simulations, and all activities planned to include project management, meetings, and conferences must be adapted and conducted virtually.

MyOHUN and its members were committed to getting through this crisis together and rising even stronger. During the early phase of the pandemic, MyOHUN activated its call for volunteers through multiple social media and networking platforms, reaching out to universities, public and private agencies all around the country to assist the Crisis Preparedness and Response Centre (CPRC), Ministry of Health in their efforts to manage the spread of the virus. The call succeeded in enlist-

ing more than 1000 volunteers to help in hospitals with the positive cases and laboratories for COV-ID-19 screening tests. We do hope our small effort helps Malaysia in battling this virus.

We are also proud that we managed to organize 12 activities this year, both physically and virtually. Despite the many challenges and restrictions, these successfully organized activities are the virtue of MyOHUN members working hard to get things done. Project Leaders and their teams have to be more creative to organize the training or workshops virtually with the same impact expected through physical training. Hats off to them!

As we conclude the first year of the OHW-NG Project, MyOHUN and its members were gratified with the leadership and passion shown for protecting human, animals, and environmental health during the COVID-19 crisis as we have successfully shifted work routines to utilize remote and online options that are consistent with the local movement restrictions orders and best practices. May the year ahead will be filled with more successes and accomplishments.



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 re-emerging infectious and zoonotic diseases. It was initiated in 2012 as part of the Southeast Asia One Health University Network (SEAOHUN), receiving funds

from the United States Agency for International Development (USAID). MyOHUN at present comprises 17 universities and 3 ministries under its wings. Working under the umbrella of One Health, MyOHUN outlined our own vision, mission, and goals to mobilize the network.

Vision

Network of social and intellectual excellence on One Health against infectious and zoonotic diseases of national and global concern.

Mission

To link and enable universities, government, and relevant agencies to generate social and intellectual capital on One Health against infectious and zoonotic diseases.

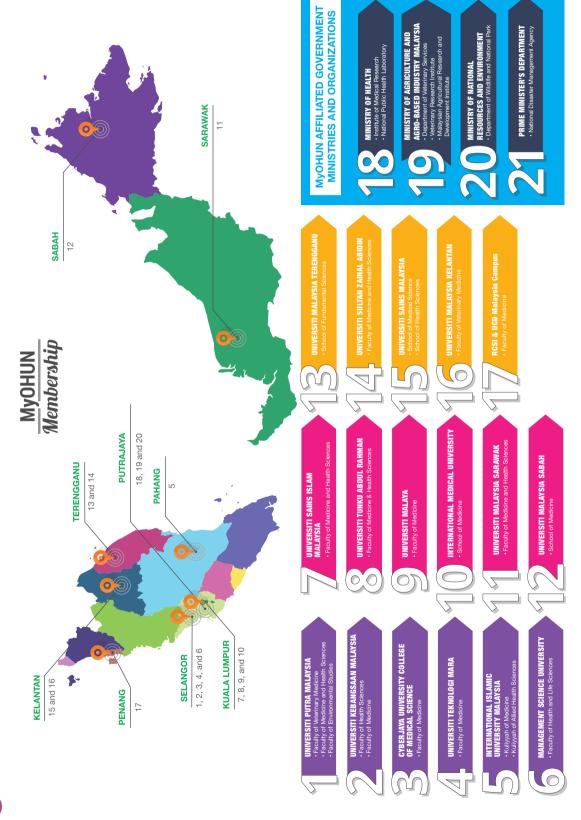
Goals

- To strengthen One Health Workforce policy on environment and stakeholder engagement.
- To increase the capacity of universities, government, and related agencies to identify and address One Health Workforce needs.
- To increase One Health Workforce's capacity to detect, prevent, and respond to infectious and zoonotic diseases.

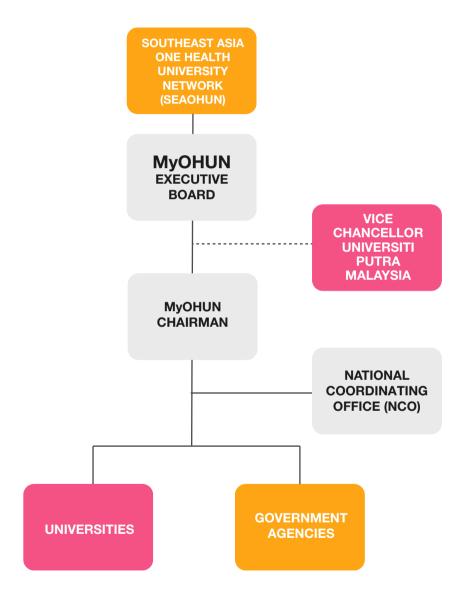
One Health Workforce – Next Generation (OHW-NG)

The One Health Workforce (OHW) project is developing a health workforce that is prepared to detect, respond, and prevent threat of infectious diseases worldwide. The project is part of the United States for Agency International Development (USAID) One Health Workforce - Next Generation (OHW-NG), which focuses on creating a sustainable transformation in the country's health workforce. Global Consortium consists of world-renowned partners based across North America, Africa, and Southeast Asia that provide support for the Southeast Asia One Health University Network, which also directly supports Malaysia One Health University Network.

MyOHUN has its own structure to facilitate the coordination and organization of activities in MyOHUN. The National Coordinating Office (NCO) was established in 2013 and is currently located at the Faculty of Veterinary Medicine, Universiti Putra Malaysia (UPM).



MyOHUN STRUCTURE



MyOHUN EXECUTIVE BOARD MEMBERS 2020

CHAIRMAN

Prof. Dr. Abdul Rahman Omar

Universiti Putra Malaysia

MEMBERS

Prof. Dato' Dr. Hair Bejo

Universiti Putra Malaysia

Dato' Dr. Norlizan Mohd Noor

Department of Veterinary Services

Prof. Dr. Sazaly Abu Bakar

Universiti Malaya

Prof. Dr. Suzana Shahar

Universiti Kebangsaan Malaysia

Prof. Dr. Mohd Rizal Abd Manaf

Universiti Kebangsaan Malaysia

Prof. Dr. Latiffah Hassan

Universiti Putra Malaysia

Prof. Dr. Noor Hassim Ismail

Universiti Kebangsaan Malaysia

Dato' Abdul Kadir Abu Hashim

Department of Wildlife and National Parks

Dato' Dr. Chong Chee Kheong

Ministry of Health

Dr. Rozanah Asmah Abd Samad

Department of Veterinary Services

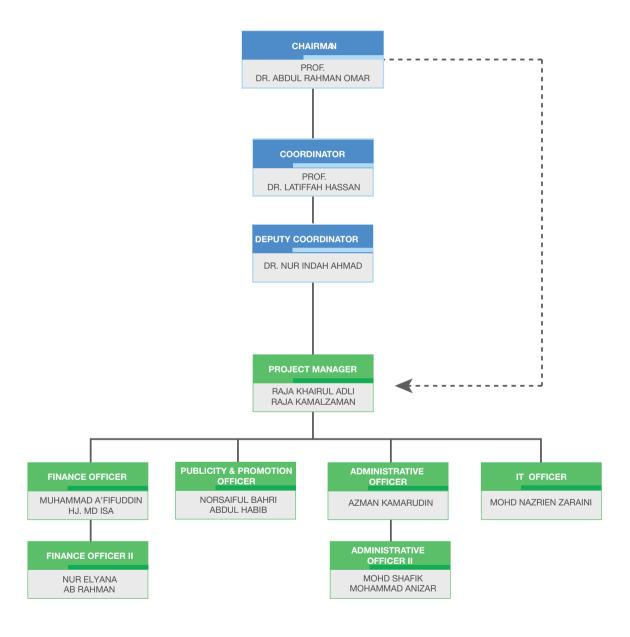
Dr. Rohani Jahis

Ministry of Health

Prof. Dr. Hidayatulfathi Othman

Universiti Kebangsaan Malaysia

MyOHUN NATIONAL COORDINATING OFFICE





MyOHUN Calls for Volunteers to assist Crisis Preparedness and Response Centre (CPRC), Ministry of Health to Fight COVID-19

As COVID-19 cases surged in Malaysia, the Malaysia One Health University Network (MyOHUN) activated its call for volunteers to assist the Crisis Preparedness and Response Centre (CPRC) through active collaboration with the Government of Malaysia in their efforts to manage the spread of the virus. The call was made through multiple social media and networking platforms, reaching universities, public and private agencies all around the country. MyOHUN announced the call for volunteers in March 2020 during the early phase of the pandemic. More than 1000 volunteers answered and enlisted to help in hospitals, clinics, and COVID-19 centers with the positive cases and laboratories for COVID-19 screening tests.





CONGRATULATIONS!

Ainaa Sabihah Won First Prize in OHW-NG - SEAOHUN COVID-19 Digital Awareness Challenge

"

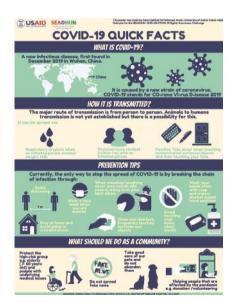
I realize that there are more responsibilities ahead of me in terms of educating the public about zoonosis and the One Health approach."

Ms. Ainaa Sabihah bt Mohamed Anuar

OHW-NG - SEAOHUN COVID-19 Digital Awareness Challenge was first introduced this year to engage Southeast Asian students in educating their communities about COVID-19 and promoting risk-reducing preventive behaviour through digital platforms. The activity was supported by the USAID One Health Workforce Next Generation (OHW-NG) project.

MyOHUN is thrilled to announce, over 200 students across six Southeast Asian countries (Cambodia, Indonesia, Malaysia, Philippines, Thailand, and Vietnam), our own Ms. Ainaa Sabihah bt Mohamed Anuar, from Universiti Sultan Zainal Abidin (UniSZA), has won First Prize in the Poster Category of the COV-ID-19 Digital Awareness Challenge. This 4th-year student of Bachelor of Animal Production & Health was amazed and beyond happy when she was informed about the result.

MyOHUN was also impressed that over 60% of the participants came from Malaysia. The proud young generation of Malaysia is clearly committed and enthusiastic to compete and share their knowledge while promoting One Health through digital platforms.





Reaching Indigenous Children Through One Health Program



Although the preparations for these programs were tedious and challenging, the team's feedback from the hundreds of university students and the Orang Asli children made all this hard work worthwhile. It has been an enjoyable and poignant journey for the team as well."

Prof. Dato' Dr. Abdul Rashid Khan

Since 2017, initiatives have been undertaken to educate the Orang Asli (Indigenous) School Children on infectious zoonotic diseases and best prevention practices to the Jahai community in Sungai Tiang, Belum, and Temiar community in Pos Kemar, Temenggor. As marginalized tribes living in forests, the Orang Asli Jahai and Temiar hunt wildlife as their food. Therefore, a program to educate this community on the One Health intervention strategies to break the chain of zoonotic infections transmitted by wildlife is needed.

The initiative, which started with a small grant from MyOHUN, reaching only a small portion of the Orang Asli community, has now reached more than 600 Orang Asli school children. Not only that, but the activity has also given the opportunity to more than 100 university students to share knowledge using experiential learning, primarily on infectious zoonotic diseases transmitted by wildlife such as wild boars, bats, and squirrels, among many other wildlife.



Development of Guidelines

for In-Situ One Health Problem-Based Learning for Human and Animal Health

Project Leader — Associate Professor Dr. Hasliza Binti Abu Hassim

Universiti Putra Malaysia (UPM)

Date First Series: 6 – 7 August 2020

Second Series: 28 – 30 August 2020

Venue — Marriot Hotel, Putrajaya Hatten Hotel, Malacca

Participants — Facilitators: 2

Participants: 18

Products — Guidelines Book for the In-Situ One Health

Problem-Based Learning for Human and Animal Health

This activity comprises two series, and eighteen experienced In-Situ PBL facilitators gathered to produce a Guidelines Book for the In-Situ One Health Problem-Based Learning for Human and Animal Health. With the objective of creating a PBL module that uniquely serves the In-Situ program, the book can be used as a reference by academicians and PBL trainers in the region.

The guidelines book was categorized into three parts: Pre-Activity, Activity, and Post-Activity. Two PBL experts, Prof. Dr. Syafinaz Amin Nordin and Prof. Dr. Siti Suri Arshad from UPM, assisted both activity series as facilitators.





Empowering University Students and the Orang Asli (Indigenous) School Children on One Health using Experiential Learning

Project Leader

 Professor Dato' Dr. Abdul Rashid Khan RCSI & UCD Malaysia Campus (RUMC)

Date

Phase 1: 14-16 August 2020Phase 2: 28-30 August 2020Phase 3: 11-13 September 2020

Venue

– Pos Kemar, Temenggor Perak

Participants

Faculty: 6

University Student: 59

Orang Ašli School Student: 370

Orang Asli Temiar is a marginalized tribe living in the forests and hunting wildlife as their food is part of their lives. Therefore, a program to empower the Orang Asli school children with awareness and knowledge concerning zoonotic infections is much needed.

Project Leader, Prof. Dato' Dr. Abdul Rashid of RCSI & UCD Malaysia Campus, and his team members of committed lecturers from different universities in Malaysia have made

this activity specifically to create awareness and preventive action towards COVID-19. The Temiar school children in Pos Kemar, Temenggor, have been chosen for this community education. The university students involved were able to instill knowledge and bring awareness of the potential morbidity and mortality associated with zoonotic infections. The educational and health promotion materials were custom made for the Orang Asli school children, mainly using easy-to-understand graphics.

Online Webinar and One Health Massive Open Online Courses (OH-MOOC)

11th - 20th OCTOBER 2020

Project Leader — Associate Professor Dr. Nurul Azmawati Mohamed Universiti Sains Islam Malaysia (USIM)

Date — 5, 12 & 19 September 2020

Venue — Virtual / Online Platform

Participants — More than 800 participants worldwide

Products — One Health Massive Open Online Courses (OH-MOOC)

MyOHUN, in collaboration with USIM, organized a One Health Webinar Series that focused on three topics, namely, One Health and AMR, COVID-19 Pandemic, and Zoonotic Diseases. The webinar sessions were held on 5, 12, and 19 September 2020. Notable and experienced speakers were invited to share their knowledge and experiences on the topics given. Almost 800 participants attended the webinars series from more than 25 countries worldwide, including Sierra Leone, Uganda, and Pakistan.

The team in USIM had developed content for a Massive Open Online Course (MOOC) on One Heath and Zoonotic Diseases. The contents developed won the Gold Award for theBest MOOC Award in the National e-Content Development Competition 2020. The MOOC is hosted by USIM and was launched in 2020. The course covers Introduction to One Health Concept, Zoonotic Diseases, New Emerging and Re-emerging Infections, Clinical Manifestation of Related Diseases, Public Health Impact, and Environment Aspects in Control.



for Avian Influenza **Simulation Exercise**

Project Leader Dr. Norita Binti Samsuddin

Ministry of Health Malaysia

Date 17 & 18 September 2020

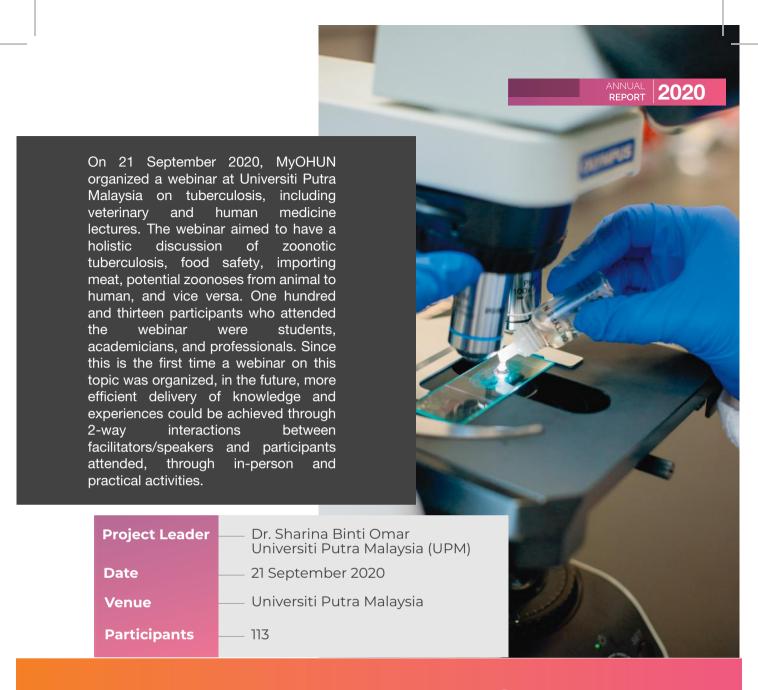
Venue Ministry of Health Malaysia

Participants 12

Module Simulation Exercise for Management of **Products**

Highly Pathogenic Avian Influenza

In light of the COVID-19 pandemic and as an alternative activity, the Ministry of Health Malaysia organized a Tabletop for Avian Influenza Simulation Exercise on 17 and 18 September 2020 at the Ministry of Health, Putrajaya. Despite the COVID-19 pandemic still spreading and some restrictions are still in force, the Ministry of Health gathered twelve experts on the Avian Influenza simulation exercise. MyOHUN looks forward to continuing its involvement in this interagency collaboration as it benefits all parties, not only in handling Avian Influenza cases but also for all infectious diseases that threaten the human race.



Empowering the Skills of Detection of Tuberculosis in Animals and Human

and the Reporting System among Veterinary and Medical Students



The Malaysian Research Institute on Ageing (MyAgeing™), Universiti Putra Malaysia, in collaboration with MyOHUN, has developed an autonomous platform to provide an alternative to regular deliveries without human contact, such as medicine and food in institutional living. This is one of the approaches to prevent and lower the risk of COVID-19 infection among older persons as practices physical distancing and minimizes direct physical contact.

On 15 and 17 September 2020, a total of 24 participants consisting of the elderly and caregivers of aged care homes have joined the Workshop on Operation of Autonomous Platform for Contactless Delivery for Older Persons. The workshop was conducted at MyAgeingTM, Universiti Putra Malaysia, and was led by Assoc. Prof. Ir. Dr. Siti Anom Ahmad, Director of MyAgeingTM. The team hopes that the autonomous platform will be upgraded to be more user-friendly and that more training should be organized for caregivers and older persons.

Workshop on the Contactless Operation of Autonomous Platform for Older Persons

Associate Professor Ir. Dr. Siti Anom Ahmad **Project Leader**

Malaysian Research Institute on Ageing (MyAgeing™)

15 & 17 September 2020 **Date**

Malaysian Research Institute on Ageing (MyAgeing™) Venue

Participants 24

2 units of autonomous platform prototypes and **Products**

an Autonomous Platform User Manual

Spreading & Sterilizing

using Robot Spray Disinfection at Contaminated Areas

Project Leader — Associate Professor Dr. Wan Zuha Wan Hassan

Universiti Putra Malaysia (UPM)

Date ____ 14, 15 & 17 September 2020

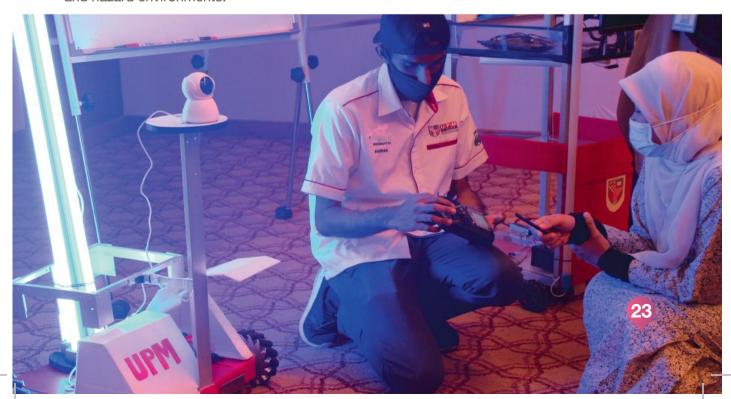
Venue — Tenera Hotel Bangi

Participants — 30

Products — 2 units of autonomous platform prototypes and

an Autonomous Platform User Manual

On the 14, 15, and 17 September 2020, a workshop on improving the current environmental sterilization process or disinfectant using a pre-designed robot was held in Tenera Hotel, Bangi. The workshop included both the theory and the hands-on practice in handling the robot and the UV disinfection robot's design. The use of these robots for disinfection is considered one of the essential functions in the battle against COVID-19. Project Leader, Assoc. Prof. Dr. Wan Zuha Wan Hassan from the Faculty of Engineering at UPM, was the sole speaker and three facilitators assisted this 3-day training. Thirty participants from engineering, medical technology, and robotics attended the training. For future workshops, the team plans to upgrade the robot to be more user-friendly and invite speakers in various fields related to medical engineering, such as personal medical devices, robotic surgeons, and hazard environments.





on Recycling of COVID-19 PPE Waste towards Environmental Sustainable Green Technology

Project Leader

Professor Ir Dr. Mohd Sapuan Salit Universiti Putra Malaysia (UPM)

Date

Webinar: 15, 17 & 18 September 2020 Exhibition: 22 & 23 September 2020

Venue

Webinar: Online Platform

Exhibition: Universiti Putra Malaysia

Participants

Webinar: 632 attendees

Exhibition: More than 80 students

A webinar series was held on 15th, 17th, and 18th September 2020 with the theme of recycling COVID-19 PPE waste, specifically face masks. Three webinars, namely, Face Masks and Recycling: Driving Forward for Sustainable Environment, IR 4.0 Contribution in Face Shields Production to Combat COVID-19 Pandemic, Biodegradable Facemask, and Environmental Sustainability: A Future Perspective. Six hundred and thirty-two participants attended the webinar series from more than 25 countries

worldwide, including the United States of America, Japan, and France.

A One-Stop Centre & Exhibition on Recycling Used Face Masks was conducted on 22 and 23 September 2020 in UPM. More than 80 UPM students registered for the exhibition. The team envisions the One-Stop Centre as a collecting point for used face masks on campus, which will then be recycled into various potential items shown during the exhibition.



Emergency Response Training on Public Health Emergencies of COVID-19 to ERT Members

Project Leader — Associate Professor Dr. Mohd Rafee bin Baharuddin

Universiti Putra Malaysia (UPM)

Date ____ 15, 17, 18 & 21 September 2020

Venue — The Office of Occupational Safety and Health (OSH), UPM

Participants — 133 Attendees

The Office of Occupational Safety and Health (OSH), UPM collaborated with MyOHUN to organize a training program to educate the university emergency response team (ERT) members, including students and selected volunteers, about emergency/disaster preparedness for the hazards that may impact university operational continuity due to potential incidents.

On 15, 17, 18 & 21 September 2020, a total of 133 participants, including students, university staff, and volunteers, participated in the Emergency Response Training for COVID-19. During the training, three stations were prepared: Bilik Gerakan (Operation Room), Communication Control station, and Disinfection and Sanitization station. Assoc. Prof. Dr. Mohd Rafee bin Baharuddin, the Project Leader for this activity, and his OSH team planned to create a preparedness module to be used by university ERT members and beyond to a wider audience for future training.

Experiential Learning: Prevalence Plasmodium Knowlesi Malaria

and Health Promotion and Education among Village Folks in Malaysia

Project Leader

Professor Dato' Dr. Abdul Rashid Khan RCSI & UCD Malaysia Campus (RUMC)

Date

First Phase: 4 - 6 September 2020 Second Phase: 18 – 21 September 2020

Venue

First Phase: Cameron Highlands

Second Phase: Kg. Air Banun, Belum, Perak

Participants

Student: 39 multidisciplinary students

285 villagers

Products

Journal/Paper on the Seroprevalence and KAP related to Plasmodium Knowlesi Malaria

MyOHUN organized a health promotion and education program for village folks on the Plasmodium Knowlesi in two separate phases. Cameron Highlands, Pahang, was chosen to be the location for the first phase of the activity, which occurred from 4 to 6 September 2020. Five villages were visited, and more than 130 village folks voluntarily provided their blood samples to be examined for malaria through the Blood Film for Malaria Parasite (BFMP) method.

The second phase was conducted in Kg. Air Banun in Belum, Perak, and similarly, 150 samples of blood smears were taken for BFMP. In total, 39 university students from multi-disciplinary backgrounds involved in this activity, and 285 villagers were interviewed and approached for health education, health promotion, and blood samples.





Training the Youth

on COVID-19 Prevention and One Health Concept

Project Leader — Associate Professor Dr. Rafdzah Ahmad Zaki

Universiti Malaya (UM)

Date — August - September 2020

Venue — Online Platform

Participants — 128 students registered for the online module

Products — One Health COVID-19 Online Education Module

From August to September 2020, an online education module was developed to empower the younger generation with COVID-19 and One Health knowledge. The training was conducted through online sessions with primary school students, and teachers were present during the session that lasted around 5 hours for the module completion.

There were two phases of the activity. The first phase was the preparation and development of the material. The second phase was the dissemination of the education materials to the target audience—three teachers involved with the activity and 128 students registered for the online module. In addition, the module was prepared in Bahasa Malaysia to increase participation, attention, and understanding among local students throughout the sessions.

Edutainment and Online Learning to Improve the Youth Knowledge to Fight COVID-19

Project Leader

Associate Professor Dr. Rafdzah Ahmad Zaki

Universiti Malaya (UM)

Date

Throughout the year 2020

Participants

Participants: 20 experts, volunteers, local artists, actors. dancers, and music producers

Products

COVID-19 Awareness "Duduk Renggang Renggang" Music Video

Assoc. Prof. Dr. Rafdzah Ahmad Zaki, under the MyOHUN OHW-NG project, developed a music video by collaborating with 20 experts, volunteers, local artists, actors, dancers, and music producers to develop an educational and enjoyable music video. The team selected the Kalau Berpacaran song, originally sung by Ana Raffali, Sohaimi Mior Hassan & Altimet, and repurposed it into another version of the song named Duduk Renggang Renggang, delivering a message of COVID-19 preventive steps such as physical distancing, hand practice. wearing mask, self-quarantine at home. The whole process took almost two months to The music video was complete. published/broadcasted on social media platforms such as Youtube, Instagram, Twitter, and the MyOHUN website. In addition, the Project Leader appeared on RTM Selamat Pagi Malaysia for an interview and to promote the music video.





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



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.







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