Students’ One Health Activities (Malaysia)

12 November 2018 | Hanoi Medical University, Hanoi, Vietnam
INTERNATIONAL ISLAMIC UNIVERSITY MALAYSIA:
Community Education With One Health Approach Towards Preventing Infectious Disease in Conjunction with World Health Day 2018

21st April 2018  Dataran Kerayong, Bera, Pahang

By:  Anis Afina Yusof (Biomedical Science)
     Siti Balqis Adnan (Biomedical Science)
Majlis Sambutan
HARI KESIHATAN SEDUNIA 2018
PELANGKAH SERI PAHANG

Community Education With One Health Approach Towards Preventing Infectious Diseases

ONE HEALTH

Community Education With One Health Approach Towards Preventing Infectious Diseases
1) ZOONOTIC AND INFECTIOUS DISEASES POSTER PRESENTATION
2) KIDSZANIA ZONE
One Health Activity in UMK

By Amalina & Fathin (Faculty of Veterinary Medicine, FPV, UMK)
1) Programme: Raising One Health Awareness In Avian Influenza (H5N1) Outbreak (2017)

Divided into 4 session:

• Avian Influenza Campaign
• Talk on “Highly Pathogenic Avian Influenza (HPAI): Etiology, Clinical symptoms, Control and Eradication Programed”
• Forum Discussion
• Poster Competition
• Teamwork based Games
Participants

• Total Participants: 96
• Institution types represented: University and Secondary Schools
• Disciplines represented: 4 Veterinary Medicine, 1 Human Medicine & Health Sciences, 6 Schools Educators
Talk & Forum: “Highly Pathogenic Avian Influenza (HPAI): Etiology, Clinical symptoms, Control and Eradication Programed”
Poster Competition
Raising One Health Awareness In Avian Influenza (H5N1) Outbreak
2) Programme: One Health Awareness Of Mosquito Borne Diseases (2018)

Divided into 4 session:

- Introduction to One Health
- Talk on “Mosquitoes Borne Diseases: Etiology, Epidemiology, Signs & Symptoms and Prevention”
- Poster and Video Competition
- Explorace Games
Participants

- Total Participants: 112
- Institution types represented: 75 from university, 37 from secondary school
- Disciplines represented: 37 Veterinary Medicine, 10 Human Medicine & Health Sciences, 8 Creative Technology
Talk: "Mosquitoes Borne Disease: Etiology, Epidemiology, Signs & Symptoms and Prevention".
Poster and Video Competition
Explorace Games: “Learning through Doing”
University Teknologi MARA, Malaysia (UiTM)

Nor Syuhada Roszianti binti Rossaidi
Aida Sofi binti Azizan
OBJECTIVES

- Describe OH concept in prevention of zoonotic diseases
- Recognize impact of anthropogenic activities to the ecosystem and vice versa
- Discuss their roles in sustaining and balancing between ecosystem and human activities
- Increase collaboration in networking among UITM students from different faculties to be responsible future OH workforce.
1) SEMINAR AND FIELD TRIP ON ENVIRONMENT HEALTH RISK ASSESSMENT
RESULT

• First day activity
  • lecture on environmental health risk assessment and OH concept
• Second day activity
  • field trip to Port Dickson beach
2) Sustaining Ecosystem and Wildlife with Anthropogenic Activities Toward Prevention of Infectious Disease: Field Trip to Kuala Gula, Perak Bird Sanctuary
RESULT

• First day activities
  • Visit to Kuala Gula Bird Sanctuary
• Boat ride along Kuala Gula coastline
• Second day activities
  • Lecture on One Health concept
• Groupwork
CONCLUSION

• All program went well and had achieved the objectives.
• Positive feedback and good cooperation from participants.
• Next steps: plan to expose students more on how human activities which can affect environment and their relations to disease or outbreak occurrence.
ONE HEALTH STUDENT CLUB
UNIVERSITI PUTRA MALAYSIA

Raja Muhammad Iqbal Raja Yahya
Allah Amir
1) Program: Adopt Don’t Shop
Date: 6th of October 2018
Venue: Faculty of ICT, iiUM, Selangor
Collaboration: UNIVERSITY PUTRA MALAYSIA & INTERNATIONAL ISLAMIC UNIVERSITY MALAYSIA
Objective: To spread the awareness of the zoonotic diseases which links to cats and dogs.

2) Program: ONE HEALTH Rabies Out-Reach
Date: 15th-17th of February 2019
Venue: FACULTY OF MEDICINE & HEALTH SCIENCES UNIMAS SARAWAK
Collaboration: UNIVERSITY PUTRA MALAYSIA, UNIVERSITY MALAYSIA SARAWAK & INTERNATIONAL VETERINARY STUDENTS' ASSOCIATION MALAYSIA
Objective: To spread the awareness of the rabies disease amongst the university residence and the residence of affected area.
CAT DAY
6th October 2018
10:30 AM - 6:00 PM
MPH, KICT IIUM

ADULT: RM 5 | CHILD: RM 3
3 Y/O AND BELOW: FREE ENTRANCE!

CAT EXHIBITION, ADOPTION DRIVE, CAT COMPETITION,
MEET AND GREET WITH JOHAN AND HIS CATS, AND MANY MORE!

FOR ANY INQUIRIES:
RUSYIDA 0138460709
SHUHALIA 01128045749
@KICTFEST18

ORGANIZED BY

INFORMATION AND COMMUNICATION TECHNOLOGY STUDENTS' SOCIETY (ICTSS)
IN ASSOCIATION WITH KICT FEST, PROUDLY PRESENTS
Activities Executed

• KAMPUNG SEKUAU, SIBU
  • Date: 3rd-4th March 2018
  • Participants: 330 villagers with 58 students
  • Main objectives:
    • To introduce the concept of One Health
    • Educate the community on mosquito-borne diseases
    • Importance of proper waste management

Wong May Yin & Fong Pey Shan, UNIMAS
MUARA TUANG, KOTA SAMARAHAN

- Date: 17th March 2018
- Participants: 24 villagers, 10 students
- Main objectives:
  - To introduce the concept and importance of One Health
  - Promote health awareness regarding zoonotic diseases
  - Implement prevention controls of zoonotic diseases

Wong May Yin & Fong Pey Shan, UNIMAS

Photo 1: Posters pasted on mah-jong paper
Photo 2: Explanation on posters to children
Latest Activity

• **Venue:** Bako, Kuching

• **Date:** 24th March 2018

• **Time:** 0800 - 1700

• **Participants:** 32 student participants from 3 Faculties (7 different programmes) and 6 Facilitators
• **Objective 1:** To introduce the concept of One Health to students from various disciplines.

• **Objective 2:** To generate interest among different professionals in the field of One Health.

• **Objective 3:** To instill a sense of responsibility among different expertise in their role in One Health.

• **Objective 4:** To promote collaboration and instill the spirit of teamwork among professionals from different expertise.
Figure 1: participants and committees getting ready to board a boat to Bako National Park.

Figure 2: Participants during a briefing session before the entire program begins.

Figure 3: Participants preparing for a presentation on their given tasks and topics.

Figure 4: Participants of a group with their poster before presentation.
Figure 5: Participants during an ‘explorace’ station.

Figure 6: Dr Ayy and the participants during a prize-giving ceremony after the team won first place during the explorace activity.
Name of Activity:
Have Fun, Get Dirty with Germies and Beasts 2.0

Dates of Activity:
28 to 29 June 2018

Location of Activity:
Day 1: National Zoo of Malaysia
Day 2: Lecture Hall 2, Undergraduate Block, Faculty of Medicine, UKM Medical Center

Harieskumar Thillai Nathan
Livesh Balasubramaniam
Introduction

• The participants were exposed on how specific human-animal-ecosystems interface may cause an increase risk of getting zoonoses among specific working group population.

• This program was executed in an interactive session of 2 days:
  ➢ Participant observation while doing volunteer work at National Zoo of Malaysia and
  ➢ Presents their group work to demonstrate their understanding pertaining to human-animal-ecosystems interactions in the form of puzzle words and draw chain of transmission.

• All gathered information are converted into interactive educational material for future learning session.
General Objective

- This program is to create awareness about human-animal-ecosystems interfaces toward zoonoses among specific working population.
Specific Objectives

• While doing volunteer work at National Zoo, active participants able to identify animal and environmental reservoirs of pathogens for zoonoses in Malaysia (MersCoV, HPAI, Rabies virus, Salmonella sp., Brucella sp., Mycobacterium tuberculosis complex sp., Leptospira sp., and Hendra virus).

• While doing volunteer work at National Zoo, active participants able to determine mode of pathogens transmission from infected animal and contaminated environment to human.
• Given a link to The Approved List of Biological Agents (HSE UK 2016), active participants able to determine the pathogens hazard category.

• Given an example of chain of transmission, active groups able to draw a comprehensive chain of transmission for their designated pathogens.

• Given adequate information through open learning materials, active groups able to organize the information in a form of online puzzle words for future educational use.
Participants

Target audience:
All interested undergraduate students in UKM for undertaking CITRA 5: Science, Technology & Sustainability

Actual attendance:
• Total number of participants: 34
• Gender representation: 11 male, 23 female
• Disciplines represented: Year 1 Semester 2 Faculty of Medicine
Results

• Flow of activities
• What was accomplished/ Outcomes
• Photo and comments
<table>
<thead>
<tr>
<th>REFLECTION ABOUT THIS PROJECT: SWOT ANALYSIS</th>
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<tbody>
<tr>
<td><strong>STRENGTH</strong></td>
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<tr>
<td>• A valuable experiential learning about how human-animal-ecosystem interacts in daily life work among National Zoo workers.</td>
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<td>• Students appreciate how job scope may give impact to human health.</td>
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<td><strong>WEAKNESS</strong></td>
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<td>• Less maturity to run the One Health Student Club</td>
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<td><strong>OPPORTUNITY</strong></td>
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<tr>
<td>▪ Availability of volunteer work at Zoo</td>
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<td>▪ Good cooperation from the Zoo workers</td>
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<td><strong>THREATS</strong></td>
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<td>• Program self-sustainability</td>
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Way Forward

• Student is expected able to ask detail occupational history in future patient “clerking” activity in order to determine the work-relatedness and zoonoses.

• This activity will be done yearly tailor to students’ maturity.

• Provide basic personal protective equipment.
One Health Student Club
Universiti Sains Malaysia (USM)
Ibtisam Abdul Sahak
Amir Hafizuddin Mokhtar
Activities conducted/participated in relation to One Health

• Let’s Get to Know H5N1
• Awareness of Mosquito Borne Diseases in Kelantan by Universiti Malaysia Kelantan (UMK)
• MedxUSM
• One Health Day Platform
• Student Recruitment
Let’s Get to Know H5N1
22 & 23 September 2017
Community Intervention
7 October 2017

H5N1 Intervention
07/10/2017
Awareness of Mosquitoes Borne Diseases in Kelantan
7 April 2018
MEDxUSM
13&14 October 2018

PITCHING COMPETITION
SUBMIT YOUR ABSTRACT NOW!

1. Form a team of 2 and register for our conference.
2. Submit a community medicine project abstract to medconference.medsoc@gmail.com together with payment for pitching competition.
3. Done! Top 8 teams will be shortlisted and required to present during the finals.

THEME: COMMUNITY MEDICINE PROJECT
DEADLINE: 26 SEPT 2018

Your abstract should include:
1. A brief description of the project
2. How the project was conducted
3. Summary of finding/impact
4. Sustainability of project
5. Financial or collaboration support
6. Conclusion

CASH PRIZE AWAITS YOU!

FOR ENQUIRES CONTACT:
AFIQ 019 3431810

MEDxUSM
www.medxusm.org
One Health Awareness of H5N1 Among Community in Kampung Pulau Tebu, Tunjong, Kelantan

PRESENTERS

Amirah Fartura
Raja Syazwani Farhanah

SUPERVISOR

Prof. Dr. Asah Bandi Daud
Student Recruitment

Come and Join Us!

25 September 2018
Thank You.