

Susunan Profil Klaster Penelitian/Pusat Kajian

❖ Indonesia One Health University Network (INDOHUN)

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INDOHUN is a network of Indonesian higher education institutions that aims to promote multi-disciplinary collaboration in human, animal and environmental health sectors in Indonesia. We do it by building institutional and individual capacity, advocating for collaboration-supportive policies, conducting research and community outreach, and creating a platform for academicians, stakeholders, scientist, communities and professionals to work together in addressing regional and global issues concerning One Health.

Our members are higher education institutions from various One Health related disciplines across Indonesia, namely medicine, veterinary medicine, public health and nursing.

Why One Health?

THE WORLD IS CHANGING. With the rapid growth of human population, increasing global temperature, changes of land use, and the increase of international travel and trade, our world is now facing a challenge like never before. All those changes play a key role in the increase of disease transmissions from animals to humans, and from one person to another across the globe. A disease anywhere can quickly become a disease everywhere.

NO ONE CAN SOLVE IT ALONE. Complex problems, such as the emerging pandemic threats, cannot be solved alone. But when the diseases know no boundaries, we are still fragmented and work in silos. To face future global health challenges, we need to understand that humans, environment, and animals are interconnected. We must work across sectors, join efforts, and establish multi-disciplinary collaborations among physicians, veterinarians, ecologists and other professionals.

Why Do We Need One Health Approach?

That is, in essence, what we call the One Health approach.

Animals and humans share the same ecosystem. It is not a surprise that we too share many similar diseases and pathogens, which can infect our body and cause illness. The fact that

some diseases can be easily transmitted from animals to humans or vice versa is the reason why it is not possible to control disease transmission by targeting a single sector only. For example, drug-resistant microbes can be passed on from animals to humans through direct and indirect contact, so inappropriate use of antibiotics in farming and fisheries must also be addressed to tackle the problem of multi-drug resistant infections in humans.

Our Battleground

1. Rise of Antimicrobial Resistance. Some bacteria may alter themselves after being exposed to antibiotics and become more difficult to treat.
2. Zoonoses. Diseases that can be transmitted from animals to humans, or vice versa.
3. Emerging Infectious Diseases. Diseases outbreaks and their correlation with the international travel and trade.
4. Human and Ecosystem Health. Natural degradation due to human intervention and its impact to our health.

Our Works

1. Multi-sectoral Partnership. We engage stakeholders and strengthen policies to support One Health collaboration and workforce development.
2. Institutional Strengthening. We conduct capacity building for our university members to improve the quality of One Health education and training.
3. Education & Training. We develop curricula, conduct trainings, workshops, conferences, and symposium for a better understanding of One Health.
4. Research. We conduct and facilitate research on One Health issues.
5. Community Outreach. We help communities in solving their problems by using One Health approach.
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