



Berita Indones

Dunia

Viral L

Liputan Mendalam

Majalah

Indonesia negara dengan kasus flu burung terbanyak di dunia

8 Maret 2012



Fighting Avian Flu in Indonesia's Poultry with IVM Online (Food and Agriculture Organization of the United Nations)

PUBLIC

https://www.youtube.com/watch?v= mQleb4yU1GM

Let's find out more about Avian Flu in Indonesia!



Definition of Livestock: Republic Indonesia Law 18/2009

Livestock is all matters relating to physical resources, seeds, seeds and / or feeder, feed, equipment and machinery for animal husbandry, animal husbandry, harvest, post-harvest, processing, marketing, and business.





Impacts of Poultry Production

Environment

- Waste Management
- Waste water
- Air emission
- Hazardous materials



Transmission:

- Direct contact
- Indirect contact
- Disease vectors





Occupational Health and Safety



Vehicle operation



Inadequately ventilated buildings



Manure pits



Impacts of Poultry Production

Community Health and Safety

Impacts:

- Antibiotic resistance
- Health problems, such as aplastic anemia





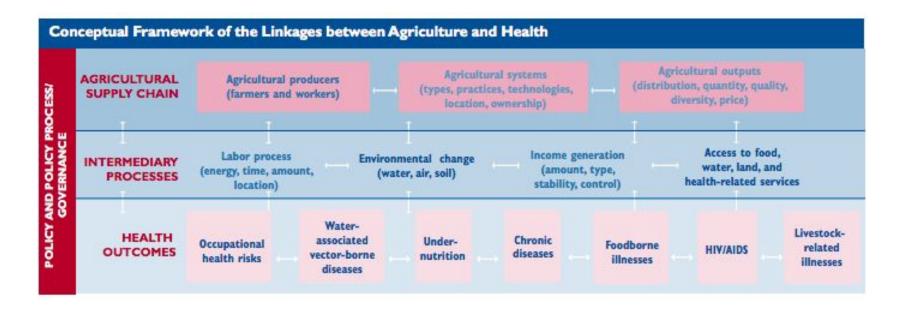
Definition of Agriculture: Republic Indonesia Law 19/ 2013

Agriculture is an activity of managing biological natural resources with the help of technology, capital, labor, and management to produce Agricultural Commodities that include food crops, horticulture, plantations, and / or livestock in an agroecosystem





Agriculture and Health





Occupational Health Hazards in Agriculture

EXPOSURE	HEALTH EFFECT	SPECIFICITY TO AGRICULTURE
Weather, climate	Dehydration, heat cramps, heat enhaustion, heat stroke, skin cancer	Host agricultural operations are performed outdoors
Snakes, insects	Fatal or injurious bites and stings	Close proximity results in high incidence
Sharp tools, farm equipment	Injuries ranging from cuts to fatalities; hearing impairment from load machinery	Most farm situations require a wide variety of skill levels for which workers have little formal training, and there are few hazard controls on tools and equipment
Physical labor, carrying loads	Numerous types of (largely unreported) musculoskeletal disorders, particularly soft-fissue disorders, e.g., back pain	Agricultural work involves awkward and uncomfortable conditions and sustained carrying of excessive loads
Pesticides	Acute paisonings, chronic effects such as neurotoxicity, reproductive effects, and cancer	More hazardous products are used in developing countries with minimal personal protective equipment (PPE)
Dusts, fumes, gases, particulates	Invitation of the eyes and respiratory tract, allergic reactions, respiratory diseases such as asthma, chronic obstructive pulmonary disease, and hypersensitivity pneumonitis	Agricultural workers are exposed to a wide range of dusts and gates from decomposition of organic materials in environments with few exposure controls and limited use of PPE use in hot climates.
Biological agents and vectors of disease	Skin diseases such as fungal infections, allergic reactions, and dermatoses	. Workers are in direct contact with environmental pathogens, fungi, infected animals, and allergenic plant
	 Parasific diseases such as schistosomiasis, malaria, sleeping sickness, leishmaniasis, ascariasis, and hookworm 	 Workers have intimate contact with parasites in soil, wastewater/sewage, dirty tools, and rudimentary housing
	 Animal-related diseases or zoonoses such as anthrax, bovine tuberculosis, and rables (at least 40 of the 250 zoonoses are occupational diseases in agriculture) 	Workers have ongoing, dose contact with animals through raising, sheltering, and slaughtering.
	 Cancers, such as bladder cancer caused by urinary bilharsia contracted through working in flooded areas in Horth and Sub-Saharan Mirica 	 Agricultural workers are exposed to a mix of biological agents, pesticides, and diesel fames, all linked with cancer



Diseases in Agriculture

Major Water-Related, Vector-Borne Diseases and Their Links to Agricultural Development

DISEASE/PREVALENCE	LINK WITH AGRICULTURAL WATER RESOURCES
Malaria World's most important parasitic infectious disease; over 2 billion people at risk; between 300 and 500 million episodes and over 1 million deaths annually; over 90% of malaria burden in Sub-Saharan Africa; also a major problem in Brazil, Colombia, India, Solomon Islands, Sri Lanka, and Viet Nam.	Transmitted by Anopheles mosquitoes that breed in fresh or occasionally brackish water; transmission intensity and disease distribution are exacerbated by water resources development; agricultural control measures include filling and draining small water bodies to reduce mosquito breeding sites.
Schistosomiasis Second most important water-related parasitic infection for public health and economic impact; at least 779 million people are at risk; 207 million are infected; between 50,00 and 100,000 deaths annually; 80% of the infected people live in Sub-Saharan Africa.	Transmitted by free-swimming larvae of Schistosomo (flatworm); disease transmission and outbreaks significantly increased by water resources development; agricultural control measures include environmental modifications (e.g., lining of canals) that prevent snail vectors and limit human-water contact.
Japanese encephalitis Viral disease; 1.9 billion people are at risk and 50,000 clinically infected; case fatality as high as 60%, but deaths vary significantly between years (15,000 deaths in 2001); occurs mainly in Asia and the islands of Western Pacific.	Transmitted to humans and animals by Culex mosquitoes, which often breed in flooded rice fields; the disease circulates in birds, and pigs are amplifying hosts; disease distribution significantly linked to irrigated rice production combined with pig rearing; agricultural water management measures include alternate wetting and drying of rice fields to reduce vector populations.



One Health



