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National Seminar on Animal Health and Food Safety

Center for Indonesian Analytical Studies (CIVAS) held a National Seminar on Animal Health and Food Safety-To achieve the human health and welfare through the improvement of animal health, welfare and food safety on February 23th, 2006 at Ambhara Hotel, Jakarta. This national seminar is conducted in relation with the launching of CIVAS as the first Indonesian non government organization in the field of animal health, veterinary public health and food safety.

Opening speech was delivered by Albertus Teguh Muljono (Executive Director of CIVAS) and Dr. Syamsul Bahri (Director of Animal Health, Directorate General of Livestock Service) and followed by the official opening of the seminar by the director of animal health and the launching of CIVAS by director of veterinary public health.

Four papers on food safety, animal health, role of NGO and partnership between NGO and the veterinary association was delivered by the Indonesian leading expert, Prof. Dr. F.G. Winarno, Dr. drh. H. Soehadji, drh. Tri Satya Putri Naipospos, M.Phil.,Ph.D and drh. Wiwiek Bagja.

Some of the results from the seminar were :

1. Indonesia faced a problems/threat from food borne disease caused by microorganism (bacteria, viruses, fungi and parasites) and by non-microorganism (prion, toxin, residues, food additives).
2. To strengthen the food safety networking, there's a need to have a collaboration among stakeholders, government and consumers.
3. To facilitate international trade, national food standard should be harmonized with other countries in Asia and Europe since Indonesia has big market share in those countries.
4. In food safety policy, Indonesia applied maximum security policy based on scientific analysis.
5. Central government should support and facilitate infrastructure and provide propotionally animal health workers throughout Indonesia.
6. Together with Indonesia Veterinary Medical Association, CIVAS should emphasizes social awareness in animal health sector.
7. NGO should become a social control for the government policy in the animal health, veterinary public health and food safety sector.

Recommendations arise from the seminar:

- To urge the government and house of representative (DPR-RI) to prioritized the discussion on animal health act.
- There is a need to have a veterinary authority in central, regional and local government.
- To held a regular scientific forum to discuss important issues related to animal helath, veterinary public health and food safety.
- To support the government (Directorate General of Livestock Service) to establish/develop BSL-3 laboratory and strengthen the capacity of the laboratory staff through a continuing education.***



Discussion

Round Table Discussion on Avian Influenza (Bird Flu)

Avian influenza is one of the most important zoonoses in Indonesia. For the purpose of AI control, the government of Indonesia has established the National Committee for AI Control and Pandemic Preparedness, however up to present Indonesia still face a lot of problem and obstacles in the implementation of th control program.

In order to provide the same perception in AI control, CIVAS in cooperation with IMAKAHI (Indonesian Veterinary Students Association) has held the round table discussion on exploration of problems in AI control in Indonesia on April 19th, 2006, at 03.00 05.00 p.m., at the Faculty of Veterinary Medicine Bogor Agricultural Univerity (FKH IPB), Darmaga Bogor.

The discussion was attended by veterinarians and veterinary students. The discussion was opened by the dean of FKH IPB had the. The discussion was initiated with some comments given by Dr. Syamsul Bahri (Director of Animal Health, DGLS), Dr. I Wayan T. Wibawan (scientist), Dr. Tri Satya P. Naipospos (CIVAS),



Agus Jaelani (IMAKAHI), and moderated by Iwan Berri Prima, chairman of IMAKAHI 2006-2008.

M. Azhar, Director of Veterinary Public Health DGLS, stated that his institution has carried out some efforts on AI control, however the Ministry Decree concerning his institution involvement on AI control was late issued. According to Bambang (Ragunan Zoo Jakarta), the government should also pay attention to wild birds since they are potentially source of virus. Abdul Zahid Ilyas (FKH IPB) suggested that epidemiologist should be involved totally in AI control since AI has not been described epidemiologically. Fitri N Pornomo said that a solid cooperation among parties or institutions related to AI control should be

established.

Agus Lelana (FKH IPB) mentioned that if he were a Menkokesra, he would like to control AI through community empowerment. Furthermore he suggested that the law and regulation of animal health should be exist in Indonesia.

According to Mira (CIVAS), besides clear defined law and regulation on animal health, the government of Indonesia should also establish the veterinary authority. She suggested that the commitment of all parties related to AI control included the community which is followed with real action is a must. Memed agreed with her suggestion and emphasized the importance of community empowerment of AI control. Furthermore, Dr. Denny Lukman (CIVAS) proposed that veterinary public health expert and epidemiologist should be involved in control and eradication of AI as well as other zoonoses.

Dr. Retno D Soejoedono (FKH IPB) suggest that Indonesia should have BSL-3 laboratories for AI virus identification and research, and also the standard procedures of test in order to minimize the deviation of results. Dr. Agus Setijono (FKH IPB) proposed to the government to establish a integrated laboratory where veterinarians, medical doctors, microbiologist work as a team in investigation and research of AI virus. A veterinary student, Luski, proposed that the current situation and condition of animal health

should be enlightened in lectures.***

Discussion

Discussion on the Use of Reverse Genetic Technology for Vaccine Production



Center for Indonesian Veterinary Analytical Studies (CIVAS) held a discussion on the use of reverse genetic technology for vaccine production on 13 May 2006 in Bogor Agriculture University (IPB) Alumni Building. This activity is a part of CIVAS commitment to strengthen the veterinary profession through a continuing education program. This kind of activity is held regularly every 3 months.

Dr. Kamalludin Zarkasie, Director of PT. Shigeta IPB Pharmaceutical was invited to give a presentation on the use of reverse genetic technology for vaccine production with specific issue on its use for AI vaccine production.

There were 56 participants attend the discussion. The participants include vet student, postgraduate student, veterinarian from provincial livestock services, directorate general of livestock services, veterinarian from veterinary drug company, Indonesian Veterinary Medical Association (IVA) and pers.

In his presentation, Dr. Zarkasie explained about the use of reverse genetic technology for AI Vaccine production. He highlighted that for the production of vaccine using this technology required at least a BSL 2 laboratory facilities. Dr. Zarkasie also assure that the vaccine developed using this technique is safe (non pathogenic), could induced a very high antibody titre and can be produced within a short time period.***

Research

Market Sampling

Prior to the implementation of field trial of AI vaccination project in Sukabumi, West Java (collaboration between CIVAS with Wagenigen International and Livestock Services of Sukabumi District), CIVAS organized a market sampling in Sub District of Cicurug, Cikembar and Kebon Pedes on 23 June 2006. The objective of this activity is to gather preliminary information on antibody titre and virus presence in chicken by collecting blood samples and cloacal swab from wet market and poultry slaughterhouses in those areas.

This market sampling conducted by CIVAS (Albert, Hadri, Bernard, Imron, Andri and Zulfiqri), Wagenigen International (Arend Jan Nell and Teun Fabri), and Livestock Services of Sukabumi District (Asep, Supriyatna, Supandi, Yudi, Endang and Teja).***

Centre for Indonesian Veterinary Analytical Studies (CIVAS) and Directorate of Veterinary Public Health, Directorate General of Livestock Service (DGLS), Department of Agriculture, Republic of Indonesia held a Short Training on Veterinary Epidemiology on May 29th - 31st, 2006 in the Kompleks Bumi, PMPDMP (Centre of Management for Agricultural Human Resource Development) Ciawi Bogor.

The training was opened by Dr H. Soehadji (advisory board of CIVAS), drh Yudi Prastowo (head of Sub-Directorate of Residues and Contaminants, Directorate of Veterinary Public Health DGLS) and drh Albertus Teguh Moeljono (executive director of CIVAS).

The training was attended by 38 participants. Most of the participants are veterinarian from provincial and district livestock service, DGLS, research centre (Research Institute for Veterinary Science, Disease Investigation Centre, Veterinary Drugs Assay Laboratory) in Indonesia, veterinary drug company, pig breeding farm, and Naval Medical Research Unit (NAMRU).

The topics delivered during the training were: National animal health system (SISKESWANNAS); definition, scope, and objective of epidemiology; pattern of disease; measurement of disease frequency; concept of animal disease control and eradication; early warning system; sampling technique and sampling size; screening test; epidemiology study; data management; outbreak investigation; and epidemiology surveillance. The instructors involved in the training were Dr. H. Soehadji, Prof. Dr. Setyawan Budiharto, Dr. Tri Satya P. Naipospos, Prof. Dr. H. Bambang Sumiarto, R. Roso Soejojodono, and Etih Sudarnika.



Based on the evaluation from the participants, most of the participants hope that CIVAS continue to organize training in several topics such as advance epidemiology technique, application of epidemiology software, risk analysis, pet and wildlife care, veterinary economic, strategic plan development, and development of standard operating procedures (SOP).***

Workshop : "Vaccination and Sampling Method to Diagnose AI"

As a part of the implementation of field trial of AI vaccination project in Sukabumi, CIVAS and Wagenigen International organized a two days workshop. The purpose of this workshop is to refresh the knowledge on vaccination and sampling method.

This workshop were held on June 21-22, 2006, at Balai besar Diklat Agribisnis Peternakan dan Kesehatan Hewan, Cinagara Bogor. There were 23 participants from Livestock Regional Officer of Sukabumi, Balai Penyidikan Penyakit Hewan dan Kesmavet and PT. Medion attend the workshop.



cloacal swab and tracheal swab. After the practise session, Mr Teun Fabri presented a paper on Avian Influenza, followed by a discussion.

The last session of the workshop were on the identification of problems that could be arise and the way to solve it chaired by Mr. Arend Jan Nell. The workshop was closed at 17.00 PM with a closing remark from drh. Albertus Teguh Mulyono and Mr Arend Jan Nell.***



Opening speech was delivered by drh Winda Sri Rahayu Kamal (Kepala Sub Bidang Kesehatan Hewan) represent Kepala Dinas Peternakan. While keynote speech was delivered by drh Albertus Teguh Mulyono, Executive Director of CIVAS, Mr. Arend Jan Nell and Mr. Teun Fabri from Wagenigen International.

Dr. drh. Retno D. Soejojodono (Immunology Laboratory, Faculty of Medicine Veterinary, IPB) presented a paper on factor influencing the success of vaccination program, safety handling of vaccine and vaccination program. Drh. Sri Murtini, M.Si (Lecture at Microbiology FKH IPB) presented the paper on sampling and media transport preparation, sampling method, and sample handling. The discussion was moderated by Mr. Arend Jan Nell from Wagenigen International.

All the participants had the opportunity to practise how to vaccinate chicken, collect serum samples,

Training

Short Training on Veterinary Epidemiology



Editorial Board

Tri Satya Putri Naipospos
Denny W. Lukman
Pebi Purwo Suseno
MD. Winda Widyastuti
Mira Fatmawati
Chaerul Basri
La Ode Nur Ilham N

Office :
Jl. Pinang Merah IV No.5
Taman Yasmin Sektor 6, Bogor - West Java
Phone : +62-251-7531019, 7177630
Fax : +62-251-7531019
e-mail : civas@civas.net
civasland@yahoo.com
website : http://www.civas.net