

concluded and compiled by the Moderator and a small team which comprised of Pebi Purwo Suseno, DVM from CIVAS and Surya Al Qamar, DVM from FAO Indonesia. At the end of the presentation session, Prof. Djoko Wuryo from the Indonesia Science Academy (AIPI) also gave a short presentation on the academy's activities related to the implementation of the "One World One Health" (OWOH) concept in Indonesia.



The seminar was attended by 90 participants from various institutions, including from the Directorate of Animal Health – Ministry of Agriculture, Directorate of Veterinary Public Health – Ministry of Agriculture, Directorate of Control of Diseases from Animal – Ministry of Health, Faculty of Veterinary Medicine – Bogor Agricultural University, Indonesian Red Cross – Central and Bogor Branch, Livestock Service Offices (DKI Jakarta, Bogor, Sukabumi, West Java Province), Health Office of Bogor District and Municipality, National Committee on Avian Influenza Control and Influenza Pandemic Preparedness, Native Chicken Farmer Association of Sukabumi (KEPRAKS), Indonesian Veterinary Drugs Association (ASOHI), Cikole Animal Disease and Veterinary Public Health Investigation Center (BPPHK Cikole), Cinagara Training Center, organizations concerned in wild life (Indonesian Rhinoceros Foundation, Vesswic, WCS), representatives from APHIS-USDA Jakarta, students from the Faculty of Veterinary Medicine in Bogor Agricultural University, private veterinarians, and individuals from other fields of study with high concern on zoonotic issues.

CIVAS 3RD ANNIVERSARY CELEBRATION - COLORING AND DRAWING COMPETITION

The Coloring and Drawing Competition for Kindergarten and Elementary School Students was held on December 20, 2008 at Kinanti Room in Hotel Salak The Heritage in celebration of CIVAS' 3rd Anniversary. It was created to increase public knowledge and love of animals. The theme of the competition was "Living Healthy with My Pet".

There were three categories in the competition, Category I for kindergarten students, Category II for elementary students from class 1 to 3, and Category III for elementary students from class 4 to 6. Participants in Category I competed in coloring the drawing outlines provided, while participants in Category II and III competed in drawing and coloring. In total there were 61 participants.

Winners of the Coloring and Drawing Competition for Kindergarten and Elementary School Students were:

CATEGORY I:

| Rank | Participants | Kindergarten |
|------|-------------------------------|-------------------|
| I | Made Dega Partha Anantavijaya | TK Regina Pacis |
| II | Stephanie Dinda I. | TK Tirtasari |
| III | Maulaya Syahida | TK Tarbiyatunnisa |

CATEGORY II:

| Rank | Participants | Elementary School |
|------|--------------------------|----------------------|
| I | Sarah Naila Rahmah | SDN Polisi 4 |
| II | Az-Zahra Tsabita Mevlana | SD Pertiwi |
| III | Rojiyati Rahmatina | SD IT Tarbiyatunnisa |

CATEGORY III:

| Rank | Participants | Elementary School |
|------|------------------------|----------------------|
| I | Safitri Titani Hardani | SDN Polisi 1 |
| II | Sekar Arum Larasiti | SD Islam Al Azhar 27 |
| III | Anindya Nurul Fajrina | SD Islam Al Azhar 27 |

CIVAS 3RD ANNIVERSARY CELEBRATION SCIENCE QUIZ COMPETITION

The Science Quiz Competition "The Animal World Around Us" has come to its finale. It was a competition designed for Senior High School questioning about issues related to animals and animal diseases. The finale was held on December 20, 2008 at Galuh Room, Hotel Salak the Heritage Bogor. The winners were:

| Rank | Team | High School |
|------|---|------------------------|
| I | Rizki Amelia Ramiza Dewaranie L Rena Nurul Ummah | SMA 5 Bogor |
| II | Maria Regina Sugiarta Adryana Putri Christianus Angga B | SMA Regina Pacis Bogor |
| III | Bagus Aditya P Cecilya Budhiman Rizki Fitriana Fajrin | SMA 9 Bogor |
| IV | Andhini Setyanti Putri Cholilla Djavad Nammah Humaira Anggi Nauri | SMA 5 Bogor |



DETECTION OF AVIAN INFLUENZA VIRUS IN POULTRY ARRIVING AT POULTRY COLLECTING FACILITIES (PCFs) AND ITS ENVIRONMENT IN DKI JAKARTA PROVINCE

Jakarta Surveillance III Study (JS III) is a continuation of the Jakarta Surveillance II Study (JS II). This study was designed to address several questions which have arisen in the previous study, such as AI incidences related to season.

Objectives of this study are to detect the presence of AI viruses in the environment and poultry arriving at the PCFs, to reveal the frequency of AI infected poultry coming to PCFs, to determine the serological status of AI infected birds especially spent layer hens and parent stock at PCFs, to identify farms/areas where AI infected birds come from, to map the pattern of AI incidence in one year, and to assess the level of biosecurity implementation in PCFs and poultry transportation.

This study will be conducted for 10 months, starting from April 2009 until February 2010, at 40 poultry collecting facilities (PCFs) in DKI Jakarta province.

Collected samples will be tracheal swabs, environmental swabs, and blood serum (serum will only be collected from spent layer hens and parent stock). Samples will be tested at the Animal and Fish Health Center laboratory (BKHI), DKI Jakarta.

Tracheal and environmental swab samples will be tested for the presence of influenza type A viruses with Real Time-PCR. Samples resulting positive will be further tested for H5 AI antigens and samples that are positive for H5 AI antigens will be continued with virus isolation. Meanwhile, serum samples will be tested for the presence of H5 AI antibodies with Hemagglutination Inhibition (HI) test.

Data regarding PCFs and transportation vehicles will be collected using questionnaires, while assessment of biosecurity implementation in PCFs and poultry transportation will be conducted using assessment checklists.

Data on laboratory test results and from questionnaires and biosecurity assessment checklists will be analyzed descriptively.

(Snd)



STUDY ON AVIAN INFLUENZA IN FREE-RANGE DUCK FARMS

Center for Indonesian Veterinary Analytical Studies (CIVAS) had conducted a preliminary study on the presence of Avian Influenza (H5) viruses in free-range duck farms in Tangerang, Subang, and Indramayu districts in Indonesia. The study was a collaboration between the Colorado State University, the Faculty of Veterinary Medicine of Bogor Agricultural University (FKH-IPB), and the Indonesian Ministry of Agriculture with CIVAS as its field team together with the local service office authorized in regulating animal health in each district.

Objectives of the study were to detect the presence of AI (H5) viruses in free-range duck farms and to measure the knowledge level of free-range duck farmers on avian influenza. The study was conducted from October until November 2008.

Temporary results of the study were based on PCR results on influenza matrix which indicates the presence of type A Avian Influenza viruses in tested farms. From 90 free-range duck farms tested in the study, 26 farms (28.9%) resulted positive for type A Avian Influenza viruses. Geographically, the highest percentage of matrix positive farms was in Tangerang and Indramayu district with 9 positive farms each (30%), while Subang has the lowest percentage with 8 positive farms (26.7%).



Based on the type of free-range duck farms, most of matrix positive farms were type 1 farms (fully free-range) with 15 positive farms (57.7%), followed by type 3 farms (free-ranged in a confined area) with 6 farms (23.1%), and last was type 2 (home-based free-range) with 5 farms (19.2%). If laboratory test results were crossed with the district and farm type, the distribution became quite variable. In Tangerang and Indramayu districts, the highest percentage of matrix positive farms was found in type 1 with 60% and 70%, respectively, while the highest percentage of matrix positive farms in Subang district was found in type 3 farms with 40%.

The preliminary study will be continued with a longitudinal study in the same area. Objectives of the longitudinal study is to: (1) estimate the persistence and duration of virus shedding in free-range ducks, (2) to estimate the efficiency of transmission (transmission rate, R0) of (H5) AI viruses in free-range ducks, (3) to detect the presence of other AI virus infections besides H5 in free-range ducks, and (4) to understand more specifically about duck farming practices, its movement dynamics and risks of transmitting disease. The longitudinal study will select two free-range duck farms from each type in each of the three districts and place them with sentinels. Each month, samples will be collected and all sentinels and non-sentinel birds will be monitored.*** (wnd)

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