Pathogenic Isolate Bank

Bank of Pathogenic Isolate at the Faculty of Veterinary Medicine, Bogor Agricultural University draws interest at home and abroad

This is what the Dean of the Faculty of Veterinary Medicine (FKH), Dr.drh. I Wayan Teguh Wibawan said in the Oath Taking Ceremony for the new veterinarians, Thursday (27/5) in Darmaga campus of IPB. A total of 72 veterinarians were sworn in the ceremony.

The Bank provides services or requests for pathogenic isolates in accordance with the existing regulations for the purposes of research, development and commercial. Supported financially by the government, the Isolates Bank attracts the interest of various institutions to cooperate with FKH IPB, for example Colorado State University in the United States, University of Wageningen Netherlands, the Food and Agriculture Organization (FAO), LG Electric Indonesia, Japan Sanyo, and Temasek Life Science Laboratory Singapore," explains Dr. Wayan.

The formation of the Pathogenic Isolate Bank at FKH was initially motivated by the concern of lecturers and researchers at the Faculty over a sustainable management of microbial pathogens isolates obtained from research and daily diagnostic activities. To support its services, the Bank develops a database system that contains information about isolate host, types of isolates, isolation areas, years of isolation, biological and molecular characteristics of isolates. This is to facilitate those interested in selecting and determining desired isolates. The characteristics of pathogenic isolates can be accessed and traced through the database system developed and regulated by the FKH IPB.

"The isolates stored and maintained in the Bank consist of various types of viruses, bacteria, protozoan, yeast and fungi," said Dr. Wayan. Some viral isolates available are the Avian Influenza viruses (VAI) of the subtype H5N1 which were collected from 2004 until 2009, from various regions and various types of animals (broiler chicken, local chicken, ducks, quails and cats). In addition, Newcastle Disease virus isolates (ND) are stored, which were collected from 1993 to 2003 from broiler chicken and local chicken. Several isolates of Infectious Bursal Disease virus (IBD) were collected between 1995 and 2009 from broiler chickens originating from several regions in
Indonesia. Viral isolates of Infectious Bronchitis (IB), as one of the essential agents of respiratory disease in poultry, are also collected in the Bank. Isolates of Rabies virus were obtained from the Big Institution of Veterinary Research for educational purposes through the MTA in July 2009. One isolate of White Spot Syndrome Virus (WSSV) is another collection of the Bank.

In the oath-taking ceremony, a number of speeches were delivered by Rector of IPB, Prof. Dr. Ir. Herry Suhardiyanto, the representative of the new veterinarian drh. Rohiman Aliyana Hermansyah, the representing parents of the new veterinarians Dr. drh. Fredrik D. Rotinsulu, and General Chairman of the Central Association of Indonesian Veterinarians, drh. Wiwiek Bagdja. The best graduate of veterinarians was also elected on the occasion, namely, drh. Dordia Anindita Rotinsulu.

The ceremony was ended with the signing of the cooperation between the Rector of IPB with the Chief Director of PT. Lembu Jantan Perkasa, Joyce Gunawan. This cooperation is for the purpose of setting up a training center to improve the capacity of cattle breeders who receive cows from the government. (mtd)