**Case Study/Background Paper of Mr. Andrey Susanto for PMAC 2018**

Renaa farm (Andrey’s layer farm) is a multi-age commercial layer farm that has been operating for more than 15 years, located in Karanganyar, Central Java with a capacity of about 50,000 birds. The birds are raised from day-old-chicks (DOC).

Since the introduction of H5N1 highly pathogenic avian influenza (HPAI) in 2003-2004 the disease has become endemic in Indonesia. Small and medium scale commercial layer farms in Indonesia tend to have low biosecurity and are at high risk of infection with HPAI and other infectious diseases. That presents a challenge to poultry health and stable poultry production; in addition, market price fluctuations, instability and market uncertainty have caused headaches for many poultry farmers.

Technical advice from FAO ECTAD Indonesia required a change of mind set and adjustment of current procedures. Some of the recommendations sounded impractical for the farm workers and for the family members (since the farm is a family bussiness). To start implementing the recommendations from FAO motivation, commitment and support from all farm workers and family members was needed.

The advice and recommendations provided by FAO focused on:

1. Routine daily cleaning of feeders and drinkers;
2. Implementing 3-zone on-farm biosecurity, including egg tray management, control of people and vehicle movement, and improved farm management procedures;
3. Correct and regular vaccination against avian influenza (three times during the growing period and twice during the production period)

The impact of the implementation of the FAO advice was a reduction in depletion rates and bird mortality, a reduction in antibiotic use, and most importantly, increased profitability and stable egg production.

The successful results of the best practices implementation above have been used by FAO ECTAD Indonesia as training material for Veterinary Service Officers (VSO) in Indonesia who will engage with the private commercial poultry sector; as inspiration and location for producing the educational movie on 3-zone biosecurity (*Rahasia Sukses* - The Story of Success) that was completed and distributed via Youtube and on DVD/CD. Replication of the practices to other layer poultry farmers (Waringin farm) has been facilitated by VSOs, based on the results of the model used on Andrey’s farm and also produced positive production results as well as a 40% reduction in antibiotic usage over two years.

Mr. Andrey together with his father continue to advocate with and encourage other poultry farmers, through their layer farmers’ association, to gradually change the other farmers’ mindsets and behavior on improved poultry management practices. He believes that the threat to his farm of infection with avian influenza remains high if other poultry farmers do not apply good management practices on their farms. Moreover, Mr. Andrey and his father also actively participate as speakers in poultry farmers’ (local or national) seminars, e.g. Indolivestock and ILDEX Indonesia, to inform, provide testimony and encourage farmers to practice simple and effective interventions (biosecurity and better management) to protect their farms from infectious disease challenges.

The stories of Andrey and his father in managing his farm have several times appeared in Indonesian mainstream and livestock media. e.g. *Poultry Indonesia*, TROBOS and also Asian Poultry Magazine, which led other poultry farmers from all over Indonesia to visit his farm. They are interested to learn directly from him about how the best poultry farming practices that he implemented have improved poultry health and increased his farm productivity.