New Development of Animal Production in Indonesia

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Indonesia indicates low consumption of animal originated products including milk, eggs and meat. Although the consumption per capita of animal protein is low, the importation of live animal and animal produces increase. High importation indicates the limitation of production level which is associated with low population and low productivity of animal. An abundant research in various aspects of animal productions has been conducted with various results. Genetic potential and genetic related disorders of local and imported animals has been studied. Both local and imported animals have been adapted to the local environmental conditions, but a conventional breeding system may have been resulted in reduction in animal performance. Some genetic related disorders associated with low productive and reproductive performance have been identified. Feed shortage during dry season and their low quality have been constrains in improving productive and reproductive performance especially of ruminants for many decades. Improvement of forage cultivation and processing technique of many grass and legumes species has been conducted to improve their yield and quality. Herbs and plant components have been developed to reduce production problems and losses associated with gastrointestinal nematodes and microbe infection in animals. Supplementation of mineral and other nutrient have been studied. Although the results are vary among researchers, but most of the results almost consistent to improve animal performance. Processing of animal product is a main concern of Indonesian government and researchers, since it has been a critical factor for farmers to make a profitable farm business. Animal waste utilization for biogas and fertilizer has been evaluated to minimize the negative impact of animal industry activities on environment. However, most researches have been conducted at small scale at laboratory level. Therefore scaling up at field level is necessary to make the result available for farmers and industries.