

Abstrak

Telur adalah bagian dari output unggas, yang mengandung sumber protein dan nutrisi berkualitas tinggi. Industri unggas memproduksi produk seperti telur, daging ayam, dan kompos. Konsumen sering mengeluh tentang kualitas telur yang rendah, seperti kulit telur yang rusak, kasar, putih, lembek, dan telur yang semakin kecil. Sistem penjadwalan vaksin saat ini di peternakan masih beroperasi secara konvensional dan penjadwalan vaksin sering tidak akurat. Dalam hal ini, para peneliti merancang dan menerapkan Sistem Peringatan Dini dalam vaksinasi penjadwalan untuk meningkatkan kualitas telur ayam. Dalam pengembangan peringatan dini, sistem manajemen ini dapat memberikan informasi sebelum vaksinasi. Setelah melalui pengujian implementasi sistem, ditemukan bahwa ada penurunan cacat telur dari 4% menjadi 2,2%. Dari hasil ini, dapat disimpulkan bahwa dengan menggunakan sistem manajemen peringatan dini dalam Penjadwalan Vaksin, dapat secara signifikan mengurangi tingkat cacat yang dapat meningkatkan kualitas telur.

Kata kunci— Statistical Quality Control (SQC), Database Sistem Manajemen, Sistem Peringatan Dini.

Abstract

Eggs are the output of poultry, which generally have a high quality sources of protein and nutrients. Poultry industry produces products such as eggs, chicken meat, and compost. Consumers often complain about the low quality of eggs, such as eggshells that are broken, coarse, white, mushy, and increasingly smaller eggs. The current vaccine scheduling systems on the farm still operate conventionally and the vaccine scheduling is often inaccurate. In this case, the researchers designed and implemented an Early Warning Systems in the scheduling vaccination to improve the quality of chicken eggs. In the development of an early warning, this management system can provide information prior to vaccination. After going through the implementation testing of the system, it was discovered that there was a decrease in egg defects from 4% to 2.2%. From these results, it can be concluded that by using an early warning management system in Vaccine Scheduling, it can significantly reduce the level of defect that can improve egg quality.

Keywords— Statistical Quality Control (SQC), Database Management System, Early Warning System.