ANDROID-BASED BROILER MAINTENANCE MONITORING APPLICATION

CASE STUDY: YAMATO FARM BANTUL YOGYAKARTA

ABSTRACT

Broiler chicken maintenance presents numerous challenges, particularly in the monitoring of development, which is still conducted manually. This reliance on manual methods often poses problems for broiler chicken farmers, as it is based solely on individual estimates rather than concrete data analysis. The manual approach employed by farmers typically involves growth monitoring and record-keeping, which can adversely affect maintenance performance. This study aims to provide solutions for Yamato Farm through the development of an application for broiler chicken maintenance monitoring. The research employs a data collection method that includes direct observation and data gathering related to livestock standardization, as well as conducting interviews with farmers. The performance index value prior to the implementation of the monitoring application was 97.142%, exhibiting a substantial increase to 102.390%, representing a 5.266% rise. The findings of the study indicated that the system functioned as a solution to livestock-related challenges and provided farmers with assistance in the domains of monitoring, maintenance, and enhancing maintenance effectiveness.

Keywords*: Chicken farming technology, Chicken growth monitor, Chicken farming, Monitoring application, Chicken care.*