

## **ABSTRACT**

### **INFORMATION SYSTEM FOR MONITORING PRODUCTIVITY OF ETAWA GOATS BASED ON LARAVEL (Case Study : Gunungkelir Cipta Mandiri Farm)**

By  
Vina Agustina  
19103156

*Rapid technological advances have an impact on improving performance that is able to meet needs. This is supported by the digitalization process in all business sectors, one of which is in the livestock sector. Etawa goat is one of the livestock projects with a fairly high business value because it is the most popular and widely spread population. One of the Etawa Goat farms is Gunungkelir Cipta Mandiri Farm which focuses on breeding Kaligesing Etawa goats. This farm does not yet have a digital data recording system so that the process of storing unstructured data and decentralizing livestock data makes it difficult for farmers to monitor the productivity of livestock data. Therefore, a research was conducted entitled "Laravel Based Etawa Goat Farm Productivity Monitoring Information System (Case Study: Gunungkelir Cipta Mandiri Farm)". The goal is that this research is able to create and implement a Laravel-based information system for data recording and help facilitate farmers in recording data to monitor productivity. The design of this information system uses the Prototype method to make it easier for developers to communicate with users during the system creation process. Before creating the system, system design was carried out using the Unified Modelling Language (UML) model and system display design using Figma. The creation of this system uses the Laravel framework with functional testing using the Black Box Testing method and user acceptance using the User Acceptance Test (UAT) method. Based on Black Box Testing, results are obtained that the system is in accordance with expectations and needs. UAT testing is carried out on 2 users, namely owners and employees. The test, got a result of 63% which stated that users agreed with the existence of this monitoring information system.*

**Keyword :** Information System, Laravel, Prototype Method, Black Box Testing, Etawa Goat.