

IMPLEMENTATION OF AES 128 BIT ALGORITHM IN WEB-BASED LIVESTOCK FEED DOCUMENT FILE SECURITY

(Case Study : Samudra PS 2 Temon Kulon Progo)

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ABSTRACT

Samudra PS II is a micro-business engaged in the sale of feed ingredients and livestock medicines located in Sindutan A, Sindutan, Temon District, Kulon Progo Regency, Yogyakarta Special Region. The lack of safety ingredients and the manual giving ingredients to consumers is an obstacle for the shop. In minimizing the deficiencies that exist, a system is made which is expected to maintain the confidentiality of document data for animal feed ingredients through the media website to be built—in this study, using qualitative methods through direct observation, interviews and literature study. Then data analysis and system design are carried out using database modelling with Entity-Relationship Diagrams (ERD), Data Flow Diagrams (DFD), Flowcharts, and system design for various system requirements related to the system to be built. The final results obtained from a Web-Based Animal Feed Ingredients Document File Security System using 128bit AES Algorithm are expected to provide a system that can encrypt and decrypt and secure data for animal feed ingredients that the confidentiality and authenticity of the herb data are maintained. This system is built using a web browser and is made using the programming language PHP, javascript, MySQL and HTML.

Keywords: Website, AES 128, PHP, MySQL.