

RESTAURANT RECIPE DATA SECURITY APPLICATION USING AES-128 CRYPTOGRAPHY ALGORITHM (CASE STUDY: SEAFOOD SIANG MALAM BEKASI)

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ABSTRACT

A recipe is a procedure for making a complete meal with all the ingredients needed and how to cook the food until it is cooked and ready to be served. Each restaurant certainly has a specific food menu that is a mainstay and characteristic compared to other restaurants. One of the restaurants that has unique cuisine is Seafood Siang Malam Bekasi, this restaurant has a mainstay food menu in the form of typical seafood dishes. The procedures for making each dish in a restaurant are of course written in a recipe to make it easier to make. This recipe is very confidential and not everyone can access it because it has the potential for manipulation and data theft which will create unhealthy business competition, especially if it is known by business competitors. In this case, it is necessary to secure the prescription data by using computer-based encoding and cryptography to make the data contents unreadable by irresponsible people. Prescription data can be secured by implementing the Advanced Encryption Standard (AES)-128 cryptographic algorithm. The results achieved in this research are a security system for food recipes from Seafood Siang Malam Bekasi restaurant with good security to protect recipes from manipulation and misuse by irresponsible parties.

Keywords: Cryptography, AES-128, Security, Recipe Data, Restaurant