

ABSTRACT

THE APPLICATION FOR MONITORING DISEASES IN LEOPARDS GECKO USING THE WEBSITE-BASED FORWARD CHAINING METHOD

By

Anugrah Rezky Septianandy

The Leopard Gecko is an exotic animal of Pakistan, India, and Iran, there are several diseases that commonly attack the Leopard Gecko, including crypto, diarrhea, MBD (Metabolic Bone Decease), and tumors. These diseases have symptoms that arise. Checking for the disease is not easy, especially if the farmer already has hundreds or even thousands of geckos.

This study used software development, namely the Waterfall model, consisting of five stages, namely system requirements analysis, design, implementation (coding), testing, and maintenance. Process models used in this system are DFD (Data Flow Diagram), Flowchart, and ERD (Entity Relationship Diagram). The method used the Forward Chaining method because the disease identification was obtained based on the rules of symptoms that arise from each disease in the Leopard Gecko.

The result of this study was in the form of a website that could make it easier for users, both Snowy Gecko Farm and other users, to diagnose diseases in Leopard Geckos, also contained information as a learning medium for the wider community about Leopard Geckos. Therefore, it could make it easier for users to access information about the Leopard Gecko, how to treat it to diagnose it along with solutions for diseases that were diagnosed by the system.

Keywords: Diagnosis, Website, Forward Chaining Method

