APPLICATION OF SUPPORT VECTOR MACHINE METHOD FOR IDENTIFICATION OF CHICKEN MEAT FRESHNESS USING RGB COLOR FEATURE EXTRACTION

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ABSTRACT

Cats are one of the pets that are looked after by humans. However, many people do not understand that having a cat has a risk, one of which is skin disease. Cat skin diseases are mostly caused by viruses, parasites or bacteria that develop in the cat's body without the cat's owner knowing. The problem that often occurs is the ignorance of cat owners about information in the diagnosis and treatment of diseases in cats, and that there are still few veterinarians in the current environment. It makes difficult to find a veterinarian when there is an urgent situation and the high cost of treating and handling the diseases. With this reason, an idea was formed to build a system that can diagnose diseases in pets using the Dempster Shafer method. This system is expected to provide information about diseases with trust values and treatment solutions based on the symptoms of each existing disease. This application is made using the Expert System Development Life Cycle (ESDLC) development method with PHP programming language with CI framework and mysql database. This system runs by calculating a weight value of a symptom against a disease obtained from expert experience and produces a high optimization value.

Keywords: cat disease, dempster shafer, expect system development life cycle.