

Abstract

The identification of the illness in silkworms needed high care, because there are some illness that had the same characteristics and almost same. If there is some mistake in the identification, then the result will also wrong in the handling and the prevention of the illness, so there will be more serious damage in the result and to fail the harvest. An expert in silkworms definitely knew these characteristics by carrying out observation and the research.

Therefore, enabled the silkworms farmer to be able to be faster identified the illness in silkworms directly without help of an expert in silkworms. Then I by using the method of Rule-Based Expert System and Forward Chaining, will give the solution to identify the illness in the silkworms cocoon. With this method in case therefore will be more efficient and economical, and could it was hoped increase the quality as well as the profit of the silkworms farmer.

The key word: *Silkworm Cocoon, Rule-Based Expert System and Forward Chaining.*