

ABSTRACT

PESTS AND DISEASES RUBBER PLANT IN USING USES CERTANTY FACTOR METHOD

**By :
ANDINI SETIA PURWANINGRUM
410030**

Rubber tree (Hevea brasiliensis) is a plantation crops of high economic value. This annual plants can be tapped rubber latex was first in the 5th year of age. From the sap of rubber trees (latex) can be processed into rubber sheet (sheet), chunks (box), or rubber crumb (crumb rubber) which is the raw material rubber industry. Rubber plant timber, when the rubber plantation about to be rejuvenated, can also be used for building materials, for example, to make a home, furniture and others. Rubber plant today is still experiencing various obstacles, because every plant that grows surely be infected with disease threats, including also the rubber plant. It is very disturbing growth, fertility, and produksifitas of rubber trees. In addressing the constraints Balai Penelitian Sembawa should be the appropriate response to any disease in rubber trees. One way of handling the rubber plant that is by utilizing information systems. The information system that can be used is an expert system. Expert system utilizes rubber plant diagnosis based on symptoms are visible. In the rubber plant handling diagnosis methods are needed that certainty factor (CF). Results of this research is the application of expert systems that can be used to provide information directly to pests and diseases in the rubber plant in the Balai Penelitian Sembawa.

Keyword: Expert System, Rubber Plant, Certainty Factor