

**Sistem Pakar Diagnosis Penyakit dan Hama Pada Tembakau Menggunakan
Metode *Foward Chaining dan Certainty*
Factor Berbasis WEB**

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ABSTRACT

Tobacco is a high-commodity plant that is often used as raw material for medicine or other needs, perhaps the tobacco product that we often hear about is cigarettes. The expert system is a knowledge-based system from experts to solve the problems of tobacco farmers. The expert system designed by the researcher aims to diagnose pests or diseases in tobacco from the symptoms selected by the user to ease the burden on tobacco farmers. This expert system was created by combining two methods, namely Foward Chaining and Certainty Factor by tracing the initial symptoms according to those selected by the user based on pests or diseases in Foward Chaining and calculating the percentage using the Certainty Factor method using values from experts and values from users. The results of this study obtained an accuracy rate of 81,25% with 16 trials by experts.

Keywords: Expert System, Tobacco, Foward Chaining, Certainty Factor