ABSTRACT

APPLICATIONS FOR DETECTING THE TYPE OF PLANT DISEASES AND METHOD OF SUGAR CANE BASED WEB

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Sugar is one of the nine basic needs, the high number of national sugar requirement is not matched by productivity of the existing sugar, sugar productivity decline was caused by the existence of several kinds of attacks cane diseases that figure reached 20 percent presentation. It is also a lack of knowledge of the sugarcane farmers to prevent and detect the disease found in sugarcane plants.

This Application designed to detect the type of disease in sugarcane crops of symptoms that can be seen. Of this Application can provide information about the types of diseases, symptoms and treatment solutions. Development of this Application uses forward chaining inference method and the method of Best First Search as a search method, programming language used is PHP and MySQL as its database.

This system is built based website to facilitate the delivery of information that can be accessed anywhere sugar cane farmers and sugar cane planters so that the handling of the sugarcane disease can be rapidly carried out.

Keywords: Sugarcane Diseases, *forward chaining, Best First Search,* PHP