

# **ABSTRACT**

## **Implementation of the Certainty Factor Method for Diagnosing Fungal Skin Infections**

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Skin diseases caused by infections are conditions where the skin is infected by microorganisms, such as bacteria, fungi, or viruses, resulting in changes to the skin. This study aims to develop an expert system for diagnosing skin diseases caused by fungal infections, utilizing the Certainty Factor method. The system is designed to provide information about the symptoms and treatment of skin diseases experienced by patients based on the symptom values they report. Through this approach, the expert system can assist doctors in efficiently managing multiple patients and offering appropriate solutions. The main objective of this system is to facilitate users in quickly obtaining information related to skin diseases during consultations with experts, thereby accelerating the diagnosis and treatment process.

**Keywords:** Skin diseases, Expert System, Fungal Infections, Certainty Factor Method.