

**SISTEM PAKAR MENDIAGNOSA PENYAKIT PADA SISTEM
ENDOKRIN MANUSIA MENGGUNAKAN METODE *CERTAINTY
FACTOR* DENGAN MENGGUNAKAN BAHASA PEMROGRAMAN
JAVA DAN *SQLITE* BERBASIS ANDROID**
(*EXPERT SYSTEM OF DIAGNOSE DISEASE ON HUMAN ENDOCRIN SYSTEM USING
CERTAINTY FACTOR METHOD USING JAVA AND *SQLITE* PROGRAMMING
LANGUAGES BASED ON ANDROID*)

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ABSTRACT

*The endocrine system is a gland system that acts on the human body whose serratedness is called a hormone. Hormones are chemicals carried in the bloodstream to tissues and organs and then stimulate hormones to perform certain actions. The way hormones work directly into the blood without going through the human duct or channel endocrine. In general, people are very difficult to know the type of disease or disorder that is suffered through symptoms that arise, then the public should consult a specialist, so it takes time and cost to consult a doctor concerned. In the final project of expert system of internal medicine in human endocrine system is using certainty factor method. This system can infer the illness suffered by users based on the question of the symptoms put into the system without having to ask an expert. In addition, this system will also provide the first way of prevention and treatment of internal diseases in the human endocrine system. This application is made with Java programming language and *SQLite* as its knowledge base storage. Testing this system is done by matching the calculation of certainty factor manually with this expert system. The results of the system are used to facilitate the public in identifying endocrine system diseases in humans based on perceived symptoms with appropriate solutions. This application can be downloaded via playstore with SikarEndokrin keyword.*

Keywords: Endocrine System, Expert System, Certainty Factor, Android Studio