

ABSTRAK

Di Indonesia, angka kematian ibu hamil masih sangat tinggi, kurangnya pengetahuan mengenai gejala yang dirasakan saat masa kehamilan membuat ibu hamil tidak menghiraukan gejala-gejala tertentu yang dapat mengindikasikan penyakit berbahaya dan menjadi penyebab tidak langsung kematian ibu hamil. Selain itu, risiko kematian ibu juga semakin tinggi akibat adanya faktor keterlambatan mengambil keputusan untuk dirujuk. Berdasarkan hal tersebut, diusulkan solusi berupa sistem pakar diagnosa penyakit ibu hamil menggunakan metode *Certainty Factor* (CF) yang dapat membantu mengenali penyakit selama kehamilan berlangsung berdasarkan gejala-gejala yang dirasakan ibu hamil. Metode CF memiliki kinerja sistem yang mampu menggambarkan tingkat keyakinan seorang pakar terhadap masalah yang dialami. Berdasarkan hasil pengujian, diperoleh hasil 100% fungsionalitas sistem pakar diagnosa penyakit ibu hamil berjalan sesuai dengan daftar kebutuhan sistem dan sistem mempunyai tingkat akurasi sebesar 100%.

Kata Kunci: *Certainty Factor, Kesehatan, Penyakit Ibu Hamil, Sistem Pakar.*

ABSTRACT

In Indonesia, the number of deaths of pregnant women is still very high, the lack of knowledge about the perceived symptoms during pregnancy make pregnant women regardless of the specific symptoms that can indicate dangerous diseases and become causes of indirect deaths of pregnant women. In addition, the risk of maternal mortality is also higher due to the delay in taking the decision factors for reference. Based on the foregoing, the proposed solution in the form of expert system diagnosis of diseases of pregnant women using the method of *Certainty Factor* (CF) that can help recognize diseases during pregnancy to take place based on the perceived symptoms of pregnant women. The CF has a method of system performance that is capable of describing the level of confidence the problems against an expert in natural. Based on the test results, obtained results 100% functionality of disease diagnosis expert system of pregnant women walking in accordance with a list of system requirements and the system has a level of accuracy of 100%.

Keywords: *Certainty Factor, Diseases Of Pregnant Women, Expert System, Health.*