

Universitas Ngudi Waluyo

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**SISTEM PAKAR DETEKSI DINI KELAINAN RISIKO TINGGI PADA IBU HAMIL
MENGUNAKAN METODE *FORWARD CHAINING* BERBASIS WEB**

ABSTRAK

Sistem pakar adalah salah satu contoh kecerdasan buatan. Untuk mengatasi masalah yang biasanya diselesaikan oleh spesialis di bidang tersebut, sistem pakar menggunakan pengetahuan, fakta, dan cara berpikir. "Kemungkinan besar", "kemungkinan besar", dan "hampir pasti" adalah frasa pertama yang digunakan dalam strategi penelusuran Forward Chaining selama fase diagnosis. IF dari aturan IF-THEN kemudian dicocokkan dengan fakta yang ada. Pernyataan (THEN) dimasukkan ke database jika suatu aturan dijalankan. Yaitu. Untuk mengolah data gejala dan mencegah penyakit pada ibu hamil, pilihan jawaban pasien akan diperhitungkan. Sistem persentase menjalani pengujian kegunaan fungsional, menghasilkan nilai 100%. Nilai yang dapat diterima atau memadai ditunjukkan dengan angka 78.

Kata kunci : sistem pakar, kelainan, *forward chaining*

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EXPERT SYSTEM FOR EARLY DETECTION OF HIGH RISK DISORDERS IN PREGNANT WOMEN USING WEB-BASED FORWARD CHAINING METHOD

ABSTRACT

Expert systems are one example of artificial intelligence. To address problems that are usually solved by specialists in the field, expert systems use knowledge, facts and ways of thinking. “Most likely”, “most likely”, and “almost certain” are the first phrases used in the Forward Chaining search strategy during the diagnosis phase. The IF from the IF-THEN rule is then matched to the existing facts. A (THEN) statement is inserted into the database if a rule is executed. That is. To process symptom data and prevent disease in pregnant women, the patient's answer choices will be taken into account. The percentage system underwent functional usability testing, resulting in a score of 100%. An acceptable or adequate value is indicated by the number 78.

Keywords: expert systems, disorders, *forward chaining*