Arsip Abstract Untuk Program Studi, dikeluarkan dan diterjemahkan oleh:
Tim Penerjemah **UPT Bahasa Inggris UNIVERSITAS DEHASEN BENGKULU**

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ABSTRACT
AN EXPERT SYSTEM FOR EARLY DETECTION OF ATTENTION DEFICIT HYPERACTIVE DISORDER (ADHD) AT RSKJ SOEPRAPTO PSYCHIATRIC HOSPITAL USING THE CERTAINTY FACTOR METHOD

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Soeprapto Mental Hospital of Bengkulu Province, is a specialized hospital providing facilities and infrastructure for mental health and drug treatment services for the community in Bengkulu Province. Consultations are typically conducted through in-person visits to the hospital, followed by information about symptoms. However, in-person visits have limitations, such as a limited waiting time for patients, requiring registration before consulting with a doctor. An expert system for early detection of Attention Deficit Hyperactive Disorder (ADHD) at Soeprapto Mental Hospital using the Certainty Factor method was developed using the PHP programming language and a MySQL database. It can be accessed online through https://adhdrsjksoepraptobkl.online/. This expert system for early detection of Attention Deficit Hyperactive Disorder (ADHD) can help the public, particularly in Bengkulu Province, consult by entering their symptoms to obtain information on early detection of Attention Deficit Hyperactive Disorder (ADHD). Based on offline testing using a blackbox approach, the application functioned well offline, both for data input and output, and for the application of the CF method. Subsequently, online testing using a blackbox approach demonstrated that the application functioned well online, both for data input and output, and for the application of the CF method. Alpha testing demonstrated that this expert system application is very helpful in early detection of Attention Deficit Hyperactive Disorder (ADHD) based on patient symptoms and can be used as a resource for patients seeking consultations regarding Attention Deficit Hyperactive Disorder (ADHD) at RSKJ Soeprapto

Keywords: Expert System, Attention Deficit Hyperactive Disorder (ADHD), Soeprapto Mental Hospital, Certainty Factor Method.

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July 7, 2025