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ABSTRACT

THE IMPLEMENTATION OF THE RIPPLE DOWN RULE METHOD IN AN EXPERT SYSTEM FOR REFRACTIVE DISEASE DETECTION

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This refractive error or myopic disorder occurs when the eyes cannot see or focus clearly on an open area so that the vision becomes blurry and in severe cases, this disorder can cause visual impairment or weaken vision. However, most people who suffer from refractive errors still have difficulty knowing the normal size of vision without a doctor or optometrist. In fact, some still find it difficult to check for nearsightedness which continues to get worse. Therefore, we need a computer-based expert system that can help people with refractive errors that can be accessed online to help patients or the public to consult independently. This expert system was designed using the PHP programming language and MySQL database using the Ripple Down Rule method. The resulting expert system can assist users in consulting regarding refractive diseases.

Keywords: Expert System, Ripple Down Rule, Refractive Disease
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