

Instrumen Pengujian Buta Warna Otomatis = Instrument Color Blind Testing Automatic

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Abstrak

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Salah satu gangguan yang terjadi pada mata adalah buta warna. Buta warna adalah suatu keadaan dimana seseorang tidak dapat membedakan warna tertentu yang bisa dibedakan oleh orang dengan mata normal. Seseorang yang menderita buta warna dapat disebabkan oleh kelainan sejak lahir atau akibat penggunaan obat-obatan yang berlebihan. Buta warna umumnya diderita oleh laki-laki, sedangkan wanita hanyalah sebagai gen pembawa/resesif. Penelitian ini bertujuan memudahkan user, dokter maupun pelayanan kesehatan dalam melakukan tes buta warna secara massal, dengan membuat suatu program berbasis visual basic 6.0. Metode: membandingkan hasil tes buta warna yang dilakukan secara konvensional menggunakan Instrumen pengujian tes buta warna otomatis menggunakan software berbasis visual basic dengan perangkat bantuan berupa notebook dan tablet. Kesimpulan: 1) sistem otomatisasi tes buta warna dapat berfungsi dengan baik dalam melakukan tes buta warna secara otomatis, 2) sistem otomatisasi tes buta warna ini user friendly dan mudah digunakan.

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ABSTRACT

One of the disruption of the eye is color blind. Color blindness is a condition in which a person can not distinguish certain colors that can be distinguished by a person with normal eyes. A person suffering from color blindness can be caused by abnormalities since birth or due to the use of excessive drugs. Color blindness is generally suffered by men, while women are just as gene carrier / recessive. This study aims to facilitate users, physicians and health care in performing the color blind test mass, to create a program based on visual basic 6.0. Methods: compare the color blind test results conducted using conventional Ishihara test book with color blindness test automation system using visual basic-based software with the help of notebook and tablet form. Conclusions: 1) the color blind test automation systems can function well in a color blind test automatically, 2) the color blind test automation system is user friendly and easy to use.; One of the disruption of the eye is color blind. Color blindness is a condition in which a person can not distinguish certain colors that can be distinguished by a person with normal eyes. A person suffering from color blindness can be caused by abnormalities since birth or due to the use of excessive drugs. Color blindness is generally suffered by men, while women are just as gene carrier / recessive. This study aims to facilitate users, physicians and health care in performing the color blind test mass, to create a program based on visual basic 6.0. Methods: compare the color blind test results conducted

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