

ABSTRAK

Alat kesehatan adalah suatu komponen penting dalam dunia medis yang digunakan untuk mendiagnosis, memantau, dan mengobati pasien. Photometer adalah alat yang digunakan untuk mengukur suatu kadar zat dalam larutan. Kualitas hasil pengukuran photometer sangat bergantung pada kondisi alat dan cara penggunaannya. *Inspection preventive maintenance* merupakan salah satu faktor penting yang dapat mempengaruhi kualitas hasil pengukuran photometer. Tujuan dari penelitian ini adalah untuk merancang metode kerja *inspection preventive maintenance* alat photometer. Metode penelitian *Research and Development* (R&D) adalah metode penelitian yang digunakan untuk menghasilkan produk tertentu dan menguji keefektifan produk tersebut, berdasarkan hasil dari wawancara dengan teknisi didapatkan nilai rata-rata keefektifan 4,2 dan kemudahan 4,8. Untuk menghasilkan produk tertentu digunakan penelitian yang bersifat analisis kebutuhan dan untuk menguji keefektifan produk tersebut supaya dapat berfungsi di masyarakat luas. Setelah merancang metode kerja *inspection preventive maintenance* alat photometer dan dilakukan uji coba pada beberapa merek alat photometer, maka dihasilkan metode kerja yang meliputi inspeksi visual, inspeksi fungsional dan inspeksi kinerja alat photometer.

Kata Kunci : Metode Kerja, IPM, Alat Photometer

ABSTRACT

Medical devices are an important component in the medical world that is used to diagnose, coordinate, and treat patients. A photometer is a tool used to measure the level of a substance in the environment. The quality of the photometer measurement results is highly dependent on the condition of the tool and how it is used. Preventive maintenance inspection is one of the important factors that can affect the quality of the photometer measurement results. The purpose of this study is to design a working method for preventive maintenance inspection of photometer tools. The Research and Development (R&D) research method is a research method used to produce certain products and test the effectiveness of the product, based on the results of interviews with doctors, an average effectiveness value of 4.2 and ease of use of 4.8 was obtained. To produce certain products, research is used that is in the nature of needs analysis and to test the effectiveness of the product so that it can function in the wider community. After designing a working method for preventive maintenance inspection of photometer tools and conducting trials on several brands of photometer tools, a working method was produced that included visual inspection, functional inspection and photometer performance inspection.

Keywords: Metode Kerja, IPM, Alat Photometer