

ABSTRAK

Berdasarkan data inventaris IPSRS bulan Januari 2018, terdapat 336 alat medik di RSUD Pariaman, dimana informasi tentang pelaksanaan kalibrasi pada alat medik tersebut tidak menggambarkan secara baik. Padahal dalam sertifikat kalibrasi beserta lampirannya, terdapat hasil pengukuran dari alat medik tersebut, yang jika dicatat dan didokumentasikan dengan baik bisa menunjukkan performa dari alat tersebut. Pencatatan dan dokumentasi hasil kalibrasi ini diharapkan bisa mempresentasikan kinerja alat selama dipakai di RSUD Pariaman sehingga dapat membantu manajemen dalam mengambil keputusan terkait kebijakan pengelolaan peralatan medik.

Pada bagian ini penulis membuat suatu sistem informasi pengelolaan peralatan medik berbasis web menggunakan bahasa pemrograman PHP MySQL yang salah satu tujuannya adalah mencatat dan mendokumentasikan hasil kalibrasi. Hasil pengukuran kalibrasi dapat dilihat dalam bentuk grafik sehingga dapat dilihat kinerja alat secara periodik.

Dengan membandingkan hasil kalibrasi yang tertera di sertifikat kalibrasi dengan hasil pengukuran setiap parameter, pada tahun 2016 ditemukan ada hasil yang seharusnya berbeda pada alat tensimeter sebanyak 8%, pada alat suction pump 25% dan alat electrocardiograph 0%. Pada tahun 2017 ditemukan ada hasil yang seharusnya berbeda pada alat tensimeter sebanyak 4%, pada alat suction pump 75% dan alat electrocardiograph 0%.

kata kunci : SIPPM, kalibrasi, web, hasil pengukuran, RSUD Pariaman

ABSTRACT

Based on IPSRS inventory data in January 2018, there were 336 medical devices in Pariaman Hospital, where information about the calibration implementation on medical devices was not well described. Whereas in the calibration certificate and its attachments, there is a measurement result from the medical instrument, which if properly recorded and documented can show the performance of the device. The recording and documentation of the calibration results are expected to be able to present the performance of the equipment during use in Pariaman Hospital so that it can assist management in making decisions related to medical equipment management policies.

In this section the author makes a web-based medical equipment management information system using the PHP MySQL programming language, one of which is to record and document the results of calibration. The results of calibration measurements can be seen in graphical form so that the tool performance can be seen periodically.

By comparing the calibration results listed on the calibration certificate with the results of measuring each parameter, in 2016 there were found results that should be different on the sphygmomanometer as much as 8%, in the 25% suction pump and 0% electrocardiograph device. In 2017 it was found that there should be different results on the sphygmomanometer as much as 4%, on a 75% suction pump and a 0% electrocardiograph device.

keywords: SIPPM, calibration, web, results of measurements, Pariaman hospital